



**ADMINISTRATION
REPORT**
of the
Municipal Commissioner
for
Greater Bombay
1987—88

City, Suburbs and Extended Suburbs

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FOREWORD

As required under Section 124 of the B. M. C. Act, I place the Administration Report for the year 1987-88 before the Corporation. This report highlights the progress of the activities carried out and services rendered by various Civic Departments during the year 1987-88.

During last three years, no major construction work was taken up due to stringency of funds and a number of works were either postponed or abandoned. Major repairs to some municipal hospitals and schools buildings were undertaken during this year. Sports Complex at Andheri is nearing completion.

The Slum Improvement Cell has taken up the programme supplied by the B. H. A. D. Board for providing basic amenities at an estimated cost of Rs. 4 crore under the Environmental Improvement Programme. Slum Upgradation Programme has been undertaken under the Bombay Urban Development Project.

The Environmental Sanitation & Projects Wing of the Corporation was engaged in abatement of air, water and noise pollution by various industries.

Draft Revised Development Plan submitted to the State Government is awaiting its approval.

Having regard to the heavy traffic volume and length of roads in Greater Bombay, the amount available for road maintenance is inadequate. The road maintenance work was, therefore, restricted to repairs to bad patches and practically no new road work was taken in hand.

Participation of private parties was promoted for developing traffic islands and for providing road safety dividers in order to minimise the burden on civic finances. Work of improvement of street lighting by providing sodium vapour lamps on arterial roads and flyovers in the city was also in progress.

To abate the nuisance due to flooding in the city, antiflood measures were taken up during this year with World Bank assistance.

The Solid Waste Management Department carried out sweeping, collection and transportation of garbage. In addition, debris due to road excavation and building repair works were also removed by this Department. This Department has introduced dumper placers skip on and off tipper container system for transportation of garbage and debris.

This Department has been implementing LOGFAS component of BUDPI funded by the World Bank through BMRDA. This project is inclusive of providing Mechanical Refuse Transfer station at Mahalaxmi.

The works covered under the Water Supply Project Bombay—II were at the completion stage and an additional 160 MLD of water would be available to the city as part of the phased completion of the project.

Preliminary works of Bombay—III Project were started. This project aims at bringing an additional 455 MLD of water to Greater Bombay.

Works under Bombay II—Sewerage Project amounting to Rs. 321.02 crore were also in progress which include Pumping and Disposal (Civil) works and Mechanical and Electrical Works.

After occupation of the Campus at Abhinav Nagar, Borivali (E), Civic Training Institute and Research Centre has started organising and conducting training programmes for all the levels of civic employees. In addition to above, systems Studies and Research and Development activities were also undertaken during this year.

As regards health situation in Greater Bombay, birth rate and death rate for 1986 were 21.6 and 7.3 respectively. Infant mortality rate per 1000 live birth was 58.9 and maternal mortality rate 0.6. During the year 1986, 2,12,678 births and 72,203 deaths were registered. Out of 20 notifiable diseases, sporadic cases of Infective Hepatitis 'B' and Meningococcal Meningitis were reported but there was decline in these cases. There was no epidemic during this year.

Because of Expanded Programme of Immunisation against Diphtheria, Tetanus, Typhoid and Measles, etc., there was no increase in the incidence of these notifiable diseases.

The Assessment and Collection Department, a major revenue earning Department of the Corporation collected Rs. 230.56 crores from Municipal Property Taxes, including Government taxes and Rs. 272.31 crores from Octroi. Altogether, Rs. 502.87 crores were collected from various taxes for the year 1987-88. This collection was in excess by Rs. 87.80 crores over previous years' collection of Rs. 415.07 crores.

Sd/-
Municipal Commissioner.

GENERAL

CORPORATION, STANDING COMMITTEE, IMPROVEMENTS COMMITTEE, EDUCATION COMMITTEE AND THE TREE AUTHORITY.

CORPORATION

Dr. R. Y. Prabhu, who was elected Mayor at the Meeting of the Corporation held on 2nd April 1987, held that office throughout the year.

2. 103 Meetings of the Corporation, 87 Meetings of the Special Committees and 2 Meetings of the Consultative Committees were held during the year 1987-88.

3. The vacancy caused due to the death of Shri Rusi Mehta, who died on 12th June 1987, was filled in.

4. Shri Shyam Shetty Shri N. R. Mehta were elected from Ward No. 165 and 23 on 17th January 1988, in the vacancies caused due to death of Shri S. K. Ramaswamy and Shri Rusi Mehta respectively.

5. The Corporation accorded Civic Reception to (i) Sunil Gavaskar on Wednesday, the 16th December 1987, and (ii) Lata Mangeshkar on Monday, the 14th March 1988.

STANDING COMMITTEE

Shri P. A. Mhatre, who was elected Chairman of the Standing Committee at their Meeting held on Friday, the 10th April 1987, held that office throughout the year.

Shri A. G. Pandit, was an ex-officio Member of the Standing Committee on his appointment as the Chairman of the Education Committee with effect from 9th April 1987. 150 Meetings, including regular and adjourned Meetings and Special and Adjourned Special Meetings were held during the year. 2 Meetings of the Sub-Committee were held during the year.

IMPROVEMENTS COMMITTEE

Shri Vilas V. Avachat, who was elected Chairman, of the Improvements Committee at their Meeting held on 15th April 1987, held that office throughout the year.

No change took place in the composition of the Improvements Committee during the year.

30 Meetings including Regular and Adjourned Meetings were held during the year.

No Meeting of the Sub-Committee was held during the year.

EDUCATION COMMITTEE

Shri A. G. Pandit, who was elected Chairman of the Education Committee at their Meeting held on 9th April 1987, held that office throughout the year.

No change took place in the composition of the Education Committee during the year.

27 Meetings including regular and adjourned Meetings and Special and adjourned Special Meetings were held during the year.

No Meetings of the Sub-Committee was held during the year.

TREE AUTHORITY

6 Meetings of the Tree Authority were held during the year.

Smt. Alka Desai was appointed from 25th June 1987 *vice* Shri V. L. Solanki resigned from 8th January 1987.

Shri S. M. Mishra was appointed from 8th December 1987 *vice* Shri S. V. Mayekar resigned from 28th April 1987.

Shri S. J. Chube, appointed as Municipal Secretary I/C. with effect from 1st April 1987 to 29th April 1987 and again from 30th March 1988 to 12th May 1988.

Shri F. M. Kazi continued to hold the post of the Municipal Secretary during the remaining period of the year under Report.

No circumstances arose in this department in which it was necessary to invoke the provisions of the Municipal Servants Act, 1890. There was no separate Award of Adjudication during the year 1987-88, so far as this department is concerned.

LIST OF THE COUNCILLORS WHO HELD OFFICE AS ON
31st MARCH 1988.

CORPORATION

Dr. R. Y. Prabhuo, *Mayor*.

Shri P. A. Mhatre, Chairman, Standing Committee.

Shri V. V. Avachat, Chairman, Improvements Committee.

Shri A. G. Pandit, Chairman, Education Committee.

Shri V. V. Chavan, Chairman, B. E. S. & T. Committee.

Ansari, Shri N. M.
Ansari, Shri M. J.
Ankleswaria, Shri R. C.
Ankola, Shri A. H.
Andrade, Shri O. P.
Acharya, Shri S. N.
Ayre, Shri V. P.
Ambre, Shri S. S.
Owhal, Shri V. M.
Kadam, Shri P. R.
Kadam, Shri M. T.
Kadam, Shri R. T.
Kadam, Shri V. G.
Kavthe, Shri M. N.
Kawle, Shri D. B.
Kandarkar, Shri D. D.
Kandalgaonkar, Shri T. V.
Keni, Shri R. M.
Korgaonkar, Shri S. G.
Kohli, Shri S. J.
Kolambkar, Shri K. N.
Khadye, Shri V. P.
Khan, Shri F. A.
Khan, Shri R. A.
Khedaskar, Shri M. B.
Gambhir, Shri S. A.
Gala, Shri D. S.
Gawde, Shri D. B.
Gite, Shri A. G.
Gujar, Shri D. D.
Gurav, Shri B. R.
Ghediya, Shri V. P.
Ghoskar, Shri V. R.*
Chavan, Shri R. K.
Chavan, Shri S. S.
Choube, Shri T. V.
Chouhan, Shri B. A.
Chouhan, Shri Lalsingh
Jhaveri, Shri M. I.
Jadhav, Shri K. B.
Jadhav, Shri M. S.
Jawkar, Shri S. G.
Jain, Shri K. H.
Joshi, Shri B. D.
Joshi, Shri R. G.
Zakaria, Shri S. A.
Zarapkar, Shri D. G.
Thakare, Shri G. S.
Thakur, Shri P. L.
Thosar, Shri N. S.
D'Cruz, Shri C. R.
D'Gama, Shri N. R.
Talreja, Shri S. T.
Tawde, Shri G. V.
Tandel, Shri M. N.
Tirandaz, Shri R. S.

Tripathi, Dr. H. J.
Thapa, Shri K. T.
Thorat, Shri M. G.
Daruwale, Shri V. M.
Deshpande, Shri S. R.
Desai, Smt. Alka A.
Desai, Shri G. K.
Doshi, Shri U. P.
Dhulla, Shri K. C.
Nalawade, Shri Datta
Naik, Shri D. P.
Naik, Shri M. R.
Naik, Shri S. D.
Nagvekar, Shri V. B.
Nayak, Shri Ramdas
Narkar, Shri R. P.
Narvekar, Shri V. A.
Narvekar, Shri S. M.
Nerurkar, Shri V. R.
Nevrekar, Shri K. R.
Patel, Shri I. C.
Patel, Smt. Indumati T.
Patel, Shri B. M.
Patel, Shri M. I.
Padwal, Shri C. S.
Padwal, Shri R. P.
Parab, Shri J. M.
Pawar, Shri N. B.
Pawar, Shri M. L.
Pawar, Shri R. D.
Patil, Shri A. W.
Patil, Shri K. R.
Patil, Shri B. H.
Patil, Shri B. A.
Patil, Shri S. B.
Patil, Shri H. K.
Patil, Shri H. L.
Pande, Shri B. N.
Purohit, Shri R. K.
Pednekar, Shri K. S.
Pote, Shri H. M.
Popat, Smt. Prabhaben J.
Bastiwala, Shri K. A.
Boudhankar, Dr. R. N.
Balakrishnan, Shri S.
Birje, Shri M. D.
Belif, Shri M. M.
Britto, Shri A. R.
Bhanushali, Shri V. V.
Bhave, Shri M. G.
Bhujbal, Shri C. C.
Makwana, Shri I. M.
Matreja, Shri S. M.
Mayekar, Shri R. S.
Mayekar, Shri S. V.
Mahadik, Shri Ganpat S.

Mahale, Shri Ganesh
 Mane, Shri Baburao
 Mishra, Shri S. M.
 Munagekar, Shri D. P.
 Mehta, Shri P. U.
 Mehta, Shri Noshir R*
 Motorwala, Shri S. Z.
 Mote, Shri M. M.
 More, Shri V. B.
 Yadav, Shri S. B.
 Raut, Shri V. B.
 Raginwar, Shri R. W.
 Rane, Shri S. T.
 Rane, Shri N. T.
 Raote, Shri D. N.
 Rambhiya, Kum. Sushila K.
 Laud, Shri W. R.
 Lilani, Shri D. R.
 Vanu, Shri N. A.
 Vartak, Shri G. D.
 Wagle, Smt. Pushpa M.
 Wable, Shri V. N.
 Wadkar, Shri C. G.
 Walekar, Shri L. G.
 Vyas, Shri V. S.
 Sharma, Shri C. C.

Shah, Shri J. J.
 Shirke, Shri G. G.
 Shirke, Shri D. B.
 Shinge, Shri S. M.
 Shaikh, Shri A. A.
 Shaikh, Shri R. S.
 Shetty, Shri K. D.
 Shetty, Shri S. B.**
 Sheth, Shri G. H.
 Sayed, Shri M. H.
 Sarguroh, Shri Ishaqbhai.
 Sardar, Shri T. S.
 Sarmalkar, Shri S. K.
 Satam, Shri N. T.
 Samant, Shri S. V.
 Sawant, Shri M. M.
 Sawant, Shri S. M.
 Singh, Shri R. R.
 Singh, Shri R. J.
 Surve, Shri M. R.
 Soni, Shri K. T.
 Solanki, Shri V. L.
 Shroff, Shri B. N.
 Handore, Shri C. D.
 Hegde, Shri M. J.

* Elected from Ward No. 23 in a bye-election held on 17th January 1988, *vice* Shri Rusi Mehta expired on 12th June 1987.

** Elected from Ward No. 65 in a bye-election held on 17th January 1988, *vice* Shri S. K. Ramaswamy expired on 15th February 1987.

LIST OF THE MEMBERS OF THE STANDING COMMITTEE WHO HELD OFFICE AS ON 31ST MARCH 1988.

Shri P. A. Mhatre (*Chairman*).

Acharya, Shri S. N.
Ankleshwaria, Shri R. C.
Korgaonkar, Shri S. G.
Kohli, Shri S. J.
Gambhir, Shri S. A.
Jawkar, Shri S. G.
Dhulla, Shri K. C.
Naik, Shri S. D.

Nagvekar, Shri V. B.
Nayak, Shri Ramdas
Patel, Smt. Indumati T
Pawar, Shri N. B.
Pandit, Shri A. G.*
Bhujbal, Shri C. C.
Mayekar, Shri R. S.
Raote, Shri D. N.

* Shri A. G. Pandit was an Ex-officio member of the Standing Committee.

LIST OF THE MEMBERS OF THE IMPROVEMENTS COMMITTEE WHO HELD OFFICE AS ON 31ST MARCH 1988.

Shri V. V. Avachat (*Chairman*).

Shri R. M. Keny
Shri V. P. Khadye
Shri A. G. Gite
Shri D. G. Zarpkar
Shri U. P. Doshi
Shri B. H. Patil
Shri Subramani Balkrishnan
Shri R. S. Mayekar

Shri P. U. Mehta
Shri Shaikh J. A. Motiwala
Shri V. B. Raut
Shri G. G. Shirke
Shri T. S. Sardar
Shri N. T. Satam
Shri S. M. Sawant.

LIST OF THE MEMBERS OF THE EDUCATION COMMITTEE WHO HELD OFFICE AS ON 31ST MARCH 1988.

Shri A. G. Pandit (*Chairman*).

Shri R. T. Kadam
Shri D. B. Gawade
Shri B. D. Joshi
Shri S. A. Zakeria
Shri G. S. Thakare
Shri N. S. Thosar*
Shri V. M. Daruwale
Shri Y. D. Dode*

Shri S. D. Naik
Shri B. L. Nagvekar*
Shri S. M. Narvekar
Shri M. I. M. H. Belif
Shri M. D. Lotlikar*
Smt. P. M. Wagle
Shri N. R. Sahastrabudhe*

* Non-Councillor Members.

**LIST OF THE MEMBERS OF THE TREE AUTHORITY WHO HELD OFFICE
AS ON 31ST MARCH 1988.**

Dr. R. Y. Prabhuo (Chairman)

Shri A. H. Ankola
Shri M. G. Joshi*
Shri K. T. Thapa
Shri V. N. Daruwala
Smt. Alka Desai
Shri K. S. Pednekar
Shri A. R. Brito
Shri S. M. Matreja
Shri S. M. Mishra

Shri S. B. Yadav
Shri R. W. Raginwar
Shri N. T. Rane
Shri C. G. Wadkar
(Chairman, M. & G. Committee)
Shri C. C. Sharma
Shri S. Kumar L. Shah
Shri S. V. Sampat*
Shri H. M. Hegde.

* Co-opted Members.

GENERAL ADMINISTRATION

Preamble :

The Municipal Government of Greater Bombay is controlled by the Bombay Municipal Corporation Act, which was originally described as Bombay Act No. III of 1888, and then was called the City of Bombay Municipal Act 1888. The Bill embodying the provisions of this Act received the assent of the Governor General of India and was first published by the Governor of Bombay on 14th September 1888. Their designation was further changed to the Bombay Municipal Corporation Act in 1950, when the limits of the Corporation were extended on the north to include a part of Salsette Taluka of Thane District and the area was called Greater Bombay. The area was further extended on 1st February 1957 and the Corporation is known as Municipal Corporation of Greater Bombay. In spite of more than 150 amendments to this basic statute over the last 100 years, the basic Frame-work of this law, in terms of distribution of powers and the roles of different statutory authorities and their intense relationship has remained unaltered. This is particularly striking in the context of the fundamental, social and political changes that have taken place as a result of transition from a colonial rule to democratic self-governance where the executive power vests in the freely elected representatives of the people.

The Municipal area of 437.71 Sq. K. Mts. is divided into 23 Wards which are grouped under five administrative zones, which served for civic needs of over 9001 Million Citizens by employing a work force of about 1,42,000 with budgetary outlay of Rs. 1190.46 Crores. Each of the five zones is supervised by a Deputy Municipal Commissioner who is delegated with most of the executive powers of the Commissioner for administration of Wards through the Ward Officers. In addition, there are five functional Dy. Municipal Commissioners who heads certain departments dealing with specialised subjects, like Water Supply & Sewerage, Development Plan of the City, Personnel Administration etc. One of the functional Dy. Municipal Commissioner is designated as the Director, Engineering Services and Projects.

Since 1984, by amendment of B. M. C. Act, post of Addl. Municipal Commissioner was constituted and two such posts were created to assist the Commissioner in the overall management of the Municipal affairs.

The existing Municipal Councillors are holding their position from 10th May 1985, with an added strength of 30 Councillors, raising the number of Councillors to 170.

The basic philosophy on which the existing Municipal Corporation Act 1888 is framed is enunciated, way back by the memorable pronouncement by Lord Ripon on Local Self-Government in 1882, obviously seems to be valid even now. As the Resolution of 18th May, 1882 *inter alia* states "It is not primarily with a view to improvement in administration that this measure is put forward and supported. It is chiefly designed as an instrument of political and popular education. As education advances, there is rapidly growing up all over the country an intelligent class of public-spirited men whom, it is not only bad policy, but sheer waste of powers, to fail to utilise". Many great Indians, who were associated in framing this legislation and piloting it through the Council of Governor in 1887 were Shri K. T. Telang, who later became one of the youngest Indians to be nominated as Judge of the Bombay High Court Sir, Pheroze Shah Mehta, Lord Reay, Mr. Forbes Adam and other eminent jurists. As Shri K. T. Telang expressed, the philosophy of this statute "My ideal of Municipal Government includes a strong Executive responsible to the Corporation, and an enlightened Corporation watchful over its Executive". This is ensured by constituting relatively independent authorities within the overall legal entity called Bombay Municipal Corporation. While the Municipal Government of the City vests in the Municipal Corporation of Greater Bombay, the entire executive power of the Corporation for the purpose of carrying out the provisions of Bombay Municipal Corporation Act vests in the Municipal Commissioner, except whenever by the provisions of this Act, sanction of the Corporation or its Statutory Committees, is expressly provided. The Councillors are elected on the basis of adult-franchise from constituencies which normally have about 29,000 voters, and they are expected to deliberate in the meetings of the Corporation/its Committees or all its Sub-Committees either statutorily constituted or constituted by the Corporation for specific purposes, and express the demands and grievances of the people whom they represent and control the Municipal Administration by casting their votes on the proposal submitted by the Municipal Commissioner as the Head of the Municipal Administration. The Municipal Commissioner is appointed by the State Government for a period not exceeding three years, but his appointment also is renewable by the State Government for a further period not exceeding three years. He can be recalled by the State Government at any time after consultation with the Corporation. He has to be removed by the State Government from office if at a meeting of the Corporation not less than 5/8 of the whole number of Councillors vote in favour of such a proposition. He is a member of the Corporation, and also one of the seven Municipal Authorities charged with carrying out the provisions of B. M. C. Act, each of the authorities having its own independent existence, sphere of jurisdiction and powers; yet, they are

interdependent and must support one another in a large measure if the governance of civic affairs has to run smoothly.

The Municipal Authorities are :

- a) a Municipal Corporation,
- b) a Standing Committee,
- c) a Improvements Committee,
- d) a Bombay Electric Supply and Transport Committee,
- e) an Education Committee,
- f) a Municipal Commissioner,
- g) a General Manager of Bombay Electric Supply and Transport Undertaking.

The Municipal Administration has municipal officers and servants such as Special Engineers, City Engineers, Hydraulic Engineer, Executive Health Officer, Education Officer, Municipal Secretary, Municipal Chief Auditor and others, these officers are not given the status of municipal authority and they are the servants of Municipal Corporation.

The Municipal Commissioner is a member of Municipal Corporation and has all the rights of a Councillor except the right to vote. He has in addition certain other special powers in making statements, in addressing the Corporation or calling special meetings at a short notice under special circumstances.

The Mayor is the presiding functionary of the Corporation and is not vested in any executive or statutory authority. He is elected every year from amongst the Councillors by the Councillors. His authority extends in calling the meetings of the Corporation and in conducting the proceedings of the Corporation in an orderly fashion in conformity with the law. He is accorded the respect due to a presiding functionary of the august body of the Municipal Corporation and for protocol, social purposes exalted and described as the "First Citizen of the City". The Mayor and the Chairman of various Committees are helped by an organization, independent of the control of the Municipal Commissioner, and headed by a Municipal Secretary, who renders all the ministerial assistance, advice based on the precedents and keeps the record of the proceedings for future references.

The Municipal Chief Auditor, like the Municipal Secretary, is also an independent officer of the Municipal Corporation for the purpose of conducting the audit of the Municipal finances.

Apart from the four Statutory Committees mentioned above, the Corporation has constituted five Special Committees, viz.,

- (1) Works Committee (City),
- (2) Works Committee (Suburbs),
- (3) Public Health Committee,
- (4) Market and Gardens Committee,

(5) Law, Revenue and General Purposes Committee which deal with the subjects covered by the designations of these Committees. In addition, an Consultative Committee called Grant-in-Aid Committee has been also constituted for submitting proposals to the Corporation for awarding of grants to certain organizations.

An informal forum for deliberations is constituted in the form of "Group Leaders Meeting" which is a device for the Leaders of different political groups to discuss informally various proposals before they are crystallised in the form of propositions which can be put before the Corporation or its statutory authorities for a formal sanction. This system has been evolved soon after the independence when the Municipal Corporation Elections came to be organised on the basis of political affiliations and by political parties. By established conventions, the political group or party, which commands the largest number of Councillors, is called a majority party and the Leader of this group is called the Leader of the House; on the other hand, the largest group in the opposite party have their own Leader who may or may not necessarily have a support of other opposition group and is given the honour of Leader of the Opposition. However, unlike in the State Government where the party or the Group, which commands majority of votes, is in charge of executive administration of the State Government; in the Municipal Corporation, the executive administration headed by the Municipal Commissioner is independent of all the groups including the group which may command the majority at any particular time during the elected period of Councillors.

Sr. W. O./W. O. upto 31st March, 1988.

| Sr. No. | Name | Designation | Remarks. |
|---------|--------------------------|---|----------|
| 1. | Shri R. B. Veturkar | W. O. 'A' Ward | |
| 2. | Shri N. N. Puppalwar | W. O. 'B' Ward. | |
| 3. | Shri D. D. Jadhav. | W. O. 'C' Ward. | |
| 4. | Shri V. Balchandran. | Sr. W. O. 'D' Ward. | |
| 5. | Shri C. K. Ghone. | W. O. 'E' Ward. | |
| 6. | Shri M. C. Gandhi. | W. O. 'F/N' Ward. | |
| 7. | Shri V. B. Pawar. | W. O. 'F/S' Ward. | |
| 8. | Shri D. R. Gujrathi. | W. O. 'G/N' Ward. | |
| 9. | Shri M. D. Rajadhyaksha. | W. O. 'G/S' Ward. | |
| 10. | Shri A. N. Dube. | W. O. 'H/W' Ward. | |
| 11. | Shri C. R. Hirekar. | W. O. 'H/E' Ward. | |
| 12. | Shri M. D. Sharma. | W. O. 'K/W' Ward. | |
| 13. | Shri S. R. Upadhyaya. | W. O. 'K/E' Ward. | |
| 14. | Shri A. Y. Kulkarni. | W. O. 'L' Ward. | |
| 15. | Shri I. L. Darji. | W. O. 'M/W' Ward. | |
| 16. | Shri A. S. Bidarkar. | W. O. 'M/E' Ward. | |
| 17. | Shri G. B. Prasad. | W. O. 'N' Ward. | |
| 18. | Shri M. S. Chavan. | W. O. 'P/N' Ward. | |
| 19. | Shri P. B. Deshmukh. | W. O. 'P/S' Ward. | |
| 20. | Shri C. G. Gurejani. | I/c W. O. 'R/N' Ward | |
| 21. | Shri S. B. Muthalia. | Sr. W. O. 'R/S' Ward. | |
| 22. | Shri C. S. Gulani. | I/c W. O. 'S' Ward. | |
| 23. | Shri V. B. Kadam. | Sr. W. O. 'T' Ward. | |
| 24. | Shri H. L. Gangwani. | Sr. W. O. (Mkts.) | |
| 25. | Shri S. P. Ghaste. | W. O. (Estate). | |
| 26. | Shri N. B. Salunkhe. | W. O. (L. T. M. G. Hosp.). | |
| 27. | Shri A. U. Vaidya. | W. O. (K. E. M. Hosp.). | |
| 28. | Shri V. S. Jadhav. | W. O. (Nair Hosp.). | |
| 29. | Shri A. G. Parikh. | I/c W. O. (Removal of Encroachments) upto 7-1-1988. | |
| 30. | Shri S. T. Todsam. | W. O. (Removal of Encroachments) from 8-1-1988. | |

BRIHANMUMBAI MAHANAGARPALIKA

Executive and Administrative Officers/Municipal Commissioner's Office as on 01-04-1988.

The designation and name of the officers holding the post of Municipal Commissioner, Additional Municipal Commissioner, Director (Engineering Services & Projects) and Dy. Municipal Commissioners etc. together with the period from which the post were held by each of them are given below :-

| Sr. No. | Designation | Name of the Officer | Qualification | Period | | Remarks |
|---------|---|-------------------------------|---|------------|------------|---|
| | | | | From | To | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. | Municipal Commissioner. | Shri S. S. Tinsker, I.A.S. | M. A. (Bombay) | 01-04-1987 | 31-03-1988 | Delivered 20 minutes "Individual country report with emphasis on our projects which are related to the subtheme of Public Leadership in Housing. The Ministry of construction of Japan & the City of held in Bombay from 28-10-1987 to 3-11-1987 |
| 2. | Additional Municipal Commissioner | Shri A. M. Warty, I.A.S. | B.Sc. | 01-04-1987 | 31-03-1988 | |
| 3. | Additional Municipal Commissioner | Shri S. Ramamurthi, I.P.S. | M. A. | 01-04-1987 | 30-06-1987 | On leave from 1-5-87 to 30-6-87, Repatriated to Government of Maharashtra from 1-7-1987 |
| | | Shri Venkat Chary, I.A.S. | M.Com., LL.B. | 15-05-1987 | 31-03-1988 | Appointed as Additional Municipal Commissioner from 15-5-1987 in place of Shri S. Ramamurthi. |
| 4. | Director (Engineering Services & Projects) | Shri M. H. Batliwala | B. E. (Civil) | 01-04-1987 | 30-09-1987 | Retired from Municipal Service from 30-9-1987 (A. O. H.) |
| | | Shri P. M. Kale | B. E. (Civil) A.M.I.E. | 01-10-1987 | 31-03-1988 | Appointed as Director (E.S. & P.) from 1-10-1987. |
| 5. | Dy. Municipal Commissioner (Personnel) | Shri P. D. Karandikar, I.A.S. | M. A. (Spl.) & Diploma in Industrial & Business Management. | 01-04-1987 | 31-03-1988 | On deputation for training under the Colombo Plan at U. K. for 1 year duration from 7-10-1987. |
| | | Shri V. D. Vaidya | B.A. (Spl.) M. Com. | 01-01-1988 | 31-03-1988 | Appointed as Dy. Municipal Commissioner (P) from 1-1-88 |
| 5(A) | Dy. Municipal Commissioner (Revenue) | Shri V. D. Vaidya | B.A. (Spl.) M.Com. | 01-04-1987 | 31-12-1987 | |
| 6. | Dy. Municipal Commissioner (Improvements) | Shri P. P. Kamdar | B.A. (Spl.) B.Com., LL.B. | 01-04-1987 | 31-03-1988 | On Earned Leave from 1-11-87 to 30-11-87. |
| | | Shri R. G. Deshpande | B.E. (Civil) M.E. (P.H.) A.M.I.E., M.I.W.W.A. | 01-11-1987 | 30-11-1987 | Appointed as D.M.C.(I) during the leave period of Shri P. P. Kamdar, from 1-11-1987 to 30-11-1987. |
| 7. | Dy. Municipal Commissioner (Special Engineering). | Shri V. G. Savant | B.E. (Civil) | 01-04-1987 | 31-03-1988 | On deputation to Geneva from 5-5-87 to 13-5-87 On leave from 19-6-87 to 31-10-1987. |
| | | Shri R. G. Deshpande | B.E. (Civil), M.E.(P.H.) A.M.I.E., M.I.W.W.A. | 30-06-1987 | 31-10-1987 | Appointed as Dy. M.C. (S.E.) during leave period of Shri V. G. Savant, Dy. M.C. (S.E.) from 30-6-87 to 31-10-1987 & continued further vice Shri P. P. Kamdar from 1-11-1987. |
| 8. | Dy. Municipal Commissioner (Engineering) | Shri R. G. Deshpande | B.E. (Civil), M.E.(P.H.) A.M.I.E., M.I.W.W.A. | 01-12-1987 | 31-03-1988 | Appointed as Dy.M.C.(E) from 1-12-1987. |

| Sr. No. | Designation | Name of the Officer | Qualification | Period From | To | Remarks |
|---------|---------------------------------------|---------------------|--------------------------------|----------------|------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 9. | Dy. Municipal Commissioner (Zone-I) | Shri S. R. Dange | B.A. | 01-04-1987 | 31-03-1988 | |
| 10. | Dy. Municipal Commissioner (Zone-II) | Shri A. B. Maduskar | M. Com. (Bombay) | 01-04-1987 | 31-03-1988 | |
| 11. | Dy. Municipal Commissioner (Zone-III) | Shri V. W. Joshi | M. Com. L.G.S. Diploma | 01-01-1988 | 31-03-1988 | Appointed as Dy. M.C. (Z-III) from 1-1-1988. |
| 12. | Dy. Municipal Commissioner (Zone-IV) | Shri D. C. Desai | B.Sc. (Agri.) Distn. LL.B. | 01-04-1987 | 31-12-1987 | |
| | | Shri G. R. Khairnar | B.Com. | 01-01-1988 | 31-03-1988 | Appointed as Dy. M.C. (Z-IV) from 1-1-1988 |
| 13. | Dy. Municipal Commissioner (Zone-V) | Shri M. P. Nerkar | B. E. (Civil) M. E. (P. H.) | 01-04-1987 | 07-09-1987 | On leave from 15-4-1987 to 7-9-1987. Voluntarily Retired from Municipal Service from 8-9-87. |
| | | Shri R. A. Karanjia | A.M.I.E. (India) | 15-04-1987 | 31-10-1987 | Appointed as Dy. M.C. (Z-V) from 15-4-1987 during the leave period of Shri M. P. Nerkar Retired from 1-11-1987. |
| | | Shri D. C. Desai | B.Sc. (Agri.) Distn. LL.B. | 01-01-1988 | 31-03-1988 | Appointed as Dy. M.C. (Z-V) from 1-1-1988. |

BRIHANMUMBAI MAHANAGARPALIKA

Other Heads of the Department during the period from 1-4-1987 to 31-3-1988.

| Sr. No. | Designation | Name of the Officer | Qualification | Period From | To | Remarks |
|---------|---|------------------------|-------------------------------|--------------------------|--------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. | Dy. Chief Accountant (personnal) | Shri V. S. Palekar | M.A. L.G.S. Diploma | 13-08-1987 | 31-03-1988 | Promoted & appointed as Dy. C. A. (P) in newly created post from 13-8-87. |
| 2. | Dy. City Engineer (Vigilance) | Shri G. A. Redkar | B.E. (Civil) | 01-04-1987 | 31-08-1987 | Transferred from 1-9-1987 |
| | | Shri A. D. Mandlik | | 01-09-1987 | 31-03-1988 | Appointed as Dy. C. E. (Vig.) from 1-9-1987 |
| 3. | Ward Officer (Removal & Encroachments) | Shri S. T. Todsam | B. Com. | 08-01-1988 | 31-03-1988 | Appointed as W. O. (Removal & Encroachment) from 8-1-1988 |
| 4. | Personnal Officer | Shri V. S. Nadkarni | B. A. (Hons) LL.B. (Gen.) | 01-04-1987 | 31-03-1988 | |
| 5. | Dy. Personnal Officer (General) | Shri N. M. Vaidya | Inter Arts, L.S.G.D. | 01-04-1987 | 30-06-1987 | Retired from Municipal Service from 1-7-1987 (B.N.) |
| | | Shri V. S. Gokhale | B. A. (Spl.) L.S.G.D.LL.B. | 01-04-1987 01-07-1987 | 03-05-1987 31-03-1988 | Worked on Dy. P. O. from 1-4-87 to 3-5-87 Appointed as Dy. P. O. (G) with effect from 1-7-1987. |
| 6. | Dy. Personnal Officer (Backward class Cell) | Smt. S. M. Gorakshakar | B. A. | 04-05-1987 | 30-09-1987 | Retired from Municipal Service from 1-10-87. |
| | | Shri W. S. Owlal | B. A. (Spl.) | 01-10-1987 | 31-03-1988 | Appointed as Dy. P. O. (B. C. Cell) from 1-10-87. |
| 7. | Organisation & Methods Officer (M.C.) | Shri A. M. Bhatt | B.A. LL.B. | 01-08-1987 | 31-3-1988 | Appointed as O. & M. O. (I) from 1-8-1987. |
| 8. | Establishment Officer | Shri D. R. Kubal | Metric, L.S.G.D., L.G.S. | 01-04-1987 | 31-03-1988 | On leave from 21-5-87 to 30-6-88. |
| | | Shri S. S. Mahaddalkar | B. A. (Spl.) | 21-05-1987 | 30-06-1987 | Appointed as Est. Officer during the leave period of Shri D. R. Kubal from 2-5-87 to 30-6-1987. |

| Sr. No. | Designation | Name of the Officer | Qualification | Period | | Remarks |
|---------|---|------------------------|-------------------------------------|------------|------------|--|
| 1 | 2 | 3 | 4 | From 5 | To 6 | 7 |
| 9. | Personal Secretary to the Municipal Commissioner | Shri P. V. Maishe | M. A. (Hons) | 01-04-1987 | 31-03-1988 | ... |
| | | Shri R. V. Joshi | B.A. L.S.G.D. L.G.S. | 08-04-1987 | 31-03-1988 | Appointed as P. S. to M. C. from 8-4-1987. |
| 10. | Personal Secretary to the Additional Municipal Commissioner (V) | Shri P. K. Hirlekar | B. A. L.S.G.D. | 01-04-1987 | 30-4-1987 | Retired from Municipal Service from 1-5-1987 |
| | | Shri P. V. Deodhar | Inter Com. L.G.S. | 01-05-1987 | 31-03-1988 | Appointed as P.S. to M.C. from 1-5-1987. |
| 11. | Personal Secretary to the Additional Municipal Commissioner (M) | Shri R. T. Waghmare | B. A. (Hons) LL.B. L.S.G.D., L.G.S. | 01-04-1987 | 31-03-1988 | ... |
| 12. | Officer on Spl. Duty (Mayor) | Shri. R. V. Joshi | B. A., L.S.G.D. L.G.S. | 01-09-1987 | 07-04-1987 | On discontinuation of the post of O. S. D. (Mayor appointed as P.S. to M. C. from 8-4-1987 |
| 13. | Administrative Officer (Committee) | Shri C. P. Desai | Matric | 01-04-1987 | 31-01-1988 | Retired from Municipal Service from 1-2-88 (BN) |
| | | Shri V. R. More | S.S.C., L.S.G.D., L.G.S. | 01-02-1988 | 31-03-1988 | Appointed as A. O. Committee from 1-2-1988. |
| 14. | Administrative Officer to D.M.C. (Z-I)'s office | Shri G. H. Shaikh | S. S. C. | 01-04-1987 | 30-04-1987 | Retired from Municipal Service from 1-5-1987 (B.N.) |
| | | Shri W. S. Owlal | B. A. (Spl.) | 01-06-1987 | 30-09-1987 | Promoted as Dy. P. O. (B.C. Cell) from 1-10-1987 |
| | | Shri S. S. Mahaddalkar | B. A. L.G.S. Diploma | 01-07-1987 | 31-03-1988 | Appointed as A. O. to D.M.C. (Z-I) from 1-10-1987. |
| 15. | Administrative Officer to D.M.C. (Z-II)'s office | Shri S. G. Kunte | B. A. | 01-04-1987 | 31-03-1988 | ... |
| 16. | Administrative Officer to D.M.C. (Rev.)'s office | Shri P. B. Adhikari | S.S.C., L.S.G.D., L.G.S. | 01-04-1987 | 31-12-1987 | Appointed as A. O. to D.M.C. (Z-III) from 1-1-1988. |
| 17. | Administrative Officer to D.M.C. (Z-III)'s office | Shri P. B. Adhikari | S.S.C., L.S.G.D., L.G.S. | 01-01-1987 | 31-03-1988 | ... |
| 18. | Administrative Officer to D.M.C. (Z-IV)'s Office | Smt. D. P. Udwadia | Matric | 01-04-1987 | 30-09-1987 | Retired from Municipal Service from 1-10-1987 (B.N.) |
| | | Shri A. V. Edvankar | B. A. | 13-11-1987 | 31-3-1988 | Appointed as A. O. to D.M.C. (Z-IV)'s office from 13-11-87. |
| 19. | Administrative Officer (Removal of Encroachments) | Smt. S. S. Gondhalekar | B. A. | 01-10-1987 | 31-03-1988 | Appointed as A. O. (Removal of Encroachments office from 1-10-1987 |
| | | Shri V. G. Mudalgikar | S.S.C., L.S.G.D. | 01-04-1987 | 31-05-1987 | Retired from 1-6-1987 (B.N.) |
| 20. | Administrative Officer to D.M.C. (Z-V)'s office | Shri M. A. Joshi | B. A. | 01-10-1987 | 31-03-1988 | Appointed as A. O. to D.M.C. (Z-V)'s office from 1-10-87 |
| | | Shri A. V. Edvankar | B. A. | 01-04-1987 | 12-11-1987 | Transfer as A. O. to D.M.C. (Z-IV)'s office from 13-11-87. |
| 21. | Administrative Officer (M. C.'s office.) | Smt. K. K. Sinkar | B.A. L.G.S. | 23-11-1987 | 31-03-1988 | Appointed as A. O. (M.C.) from 23-11-1987 |
| | | Shri P. S. Chitale | S. S. C. | 01-04-1987 | 31-03-1988 | ... |
| 22. | Administrative Officer to D. M. C. (P) | Shri P. S. Chitale | S. S. C. | 01-04-1987 | 31-03-1988 | ... |
| 23. | Administrative officer (Marathi) | Shri B. P. Desai | B. A. (Spl.) L.G.S. | 01-04-1987 | 31-03-1988 | ... |
| 24. | Chief Complaints Officer | Shri Y. B. Bagav | S.S.C., L.S.G. | 01-04-1987 | 31-03-1988 | ... |

MUNICIPAL CORPORATION OF GREATER BOMBAY.

| Sr. No. | Designation | Name of the officer & Qualifications | Period | | Remarks. |
|--|--|--|---------|----------|---|
| | | | 4. | 5. | |
| 1. | 2. | 3. | from | To | |
| 1. | Municipal Chief Auditor. | Shri B. B. Desai, B. Com., L.G.S. | 1-4-87 | 20-4-87 | Suspended from Municipal service from 21-4-1987. |
| | Municipal Chief Auditor I/c. | Shri A. K. Chitale, B.A., B.Com., Kovid. | 21-4-87 | 31-3-88 | |
| OTHER HEADS OF THE DEPARTMENTS. | | | | | |
| 1. | City Engineer. | Shri S. A. Rege., B.E. (Civil), M.E. (Structural). | 1-4-87 | 31-3-88 | Through out the year. |
| 1. A) | Chief Engineer (Roads & S. W. Drains). | Shri V. H. Kulkarni (B.E. (Civil), A.I.I.E. M.E. (P.H.)). | 1-3-87 | 31-5-87 | Charge allowance from 1-6-87 working in his original post of Dy. Ch. E./Rds & S.W.D. |
| | | Shri M. Y. Sabnis B. E. (Civil). | 1-6-87 | 30-9-87 | He was transferred as Ch. E. (DP) from 1-10-1987. |
| | | Shri P. B. Momin. B. E. (Civil). | 1-10-87 | 31-3-88 | |
| 1. B) | Ch. E. (S. W. M.). | Shri S. Shankarappa. B. E. (Mech.). | 1-4-87 | 13-5-87 | He was promoted as Ch. Eng. (S.O.) from 14-5-1987. |
| | | Shri. C. D. Kotnis. B. E. (Mech.). | 14-5-87 | 31-3-88 | |
| 1. C) | Ch. E. (Development Plan). | Shri. P. M. Kale. B. E. (Civil). | 1-4-87 | 30-9-87 | He was promoted as Dir. (E.S. & P.) with effect from 1-10-1987. |
| | | Shri M. Y. Sabnis. B. E. (Civil) M. I. E. | 1-10-87 | 31-3-88 | He was appointed as Chief Engineer (D. P.) from 1-10-1987. |
| 2. | Chief Accountant. | Shri V. W. Joshi, M. Com., L.G.S. | 1-4-87 | 31-12-87 | E. L. from 21-9-87 to 20-10-87, the work was attended by Jt. C. A. Shri Chandekar. |
| | | | | | Promoted as D.M.C. from 1-1-1988. |
| | | | 1-1-88 | 31-3-88 | The post was vacant. Duties & functions of the post of C. A. have been discharged by Shri S.M. Chandekar, Jt. C. A. |
| 2. A) | Jt. Chief Accountant. | | 1-4-87 | 31-7-87 | The post was vacant. Duties & functions of post of Jt. C.A. have been discharged by Shri V. W. Joshi, C. A. |
| | Jt. Chief Accountant. | Shri S. M. Chandekar, B.Com. | 1-8-87 | 31-3-88 | |
| 3. | Hydraulic Engineer. | Shri R. G. Deshpande, B.E. (Civil), M. E. P. H. | 1-4-87 | 29-6-87 | Promoted as D.M.C. (SE) from 30-6-1987. |
| | | Shri K. R. Kokankar, D. C. E., A.M. I. E. (India). | 30-6-87 | 30-9-87 | Charge allowance arrangement in place of Shri R.G. Deshpande, promoted. |
| | | Shri G. D. Paranjpe, D.C.E., G.I.E. | 1-10-87 | 31-3-88 | Appointed as H. E. with effect from 1-10-1987. |
| 4. | Ex. Health Officer. | Dr. S. S. Sabnis. M.B.B.S., D.P.H. | 1-4-87 | 30-9-87 | Retired from 1-10-1987. |
| | Ex. Health Officer. 1/c. | Dr. (Smt.) Kusum Shah. M. D., D. G. O., D. H. A. | 1-10-87 | 31-3-88 | Looking after the work of H.O. in addition to the work of Director (P. H. & C. A. S.). |
| 5. | Dean, K. E. M. Hospital & G.S.M. College. | Dr. G. B. Parulkar, M. B. B. S., M.S., F.A.C.S. F.A.M.S., F.A.S.C. | 1-4-87 | 31-3-88 | Throughout the year. |
| 6. | Dean, B.Y.L. Nair Hospital & T. N. M. College. | Dr. Pragna M. Pai. M. D., D. Ch. | 1-4-87 | 31-3-88 | Throughout the year. |

| 1. | 2. | 3. | 4. | 5. | |
|--------|--|---|--------------------|---------------------|---|
| | | | From | To | |
| 7. | Dean, L. T. M. G. Hospital & L. T. M. College. | Dr. S. V. Nadkarni, M. S. | 1-4-87 25-11-87 | 25-10-87 31-3-88 | He was on leave during the period from 26-10-87 to 24-11-1987 and the work of Dean was looked after by Dr. N. A. Dhabolkar. |
| 8. | Dean Nair Hospital, Dental College. | Dr. D. R. Shalvani, M.D.S.M.R. S. H. (Eng.) F. I. C. D. | 1-4-87 | 31-3-88 | Throughout the year. |
| 9. | Chief Fire Officer. | Shri V. B. Nikam, B. Sc. (Hon.), overseas senior command course (V.K.), A.M.N.F.S.C. (Hons.). | 1-4-87 | 30-9-87 | Retired on 30-9-87 after office hours due to superannuation. |
| | | Shri V. V. Vaidya, Intermediate Science, D. O. Course. | 1-10-87 | 31-3-88 | |
| 10. | Medical Superintendent. (G. T. B. Hospital). | Dr. A. P. Rao, M.D., T.D.D., F.C.C.P. (U.S.A.) M.I.P.H. (Calcutta). | 1-4-87 | 31-3-88 | Throughout the year. |
| 11. | Assessor & Collector I/c. | Shri D. R. Joshi, B.A. (Spl.) L. S. G. D. | 1-4-87 | 17-4-87 | |
| | Assessor & Collector. | Shri D. R. Joshi, B.A. (Spl.) L. S. G. D. | 18-4-87 | 31-10-87 | Retired from Municipal Service with effect from 1-11-87. |
| | | Shri M. R. Prabhu, B. A. (Spl.) L.S.G.D. Pravin, LL.B.—II—L.G.S. | 1-11-87 | 31-3-88 | |
| 12. | Education Officer I/c. | Dr. (Smt.) S. V. Desai, B.A. (Hons.), M.Ed. Ph.D. (Bombay), M.A. (London). | 1-4-87 | 31-10-87 | Retired from 1-11-1987 before office hours. |
| | | Shri B. P. Naik, B.A. (Hons.), M. A. B. Ed. | 1-11-87 | 31-3-88 | |
| 13. | Law Officer. | Smt. M. V. Shetty, B.A. LL.B. | 1-4-87 | 31-3-88 | Through out the year. |
| 14. | Chief Engineer. (W. S. P.) | Shri M. K. Gokhale, D.C.E., A.M.I.E., Master of Engineering, University of Rorkee. | 1-4-87 | 31-3-88 | Through out the year. |
| 14. A) | Chief Engineer. (Sewerage Projects). | Shri Y. V. Damle, B.E. (Civil). | 1-4-87 | 31-7-87 | Retired due to superannuation from 1-8-1987. |
| | Chief Engineer (S. P.) I/c. | Shri V. N. Kharkar, B.E. (Civil). | 1-8-87 | 30-9-87 | |
| | Chief Engineer (S. P.) | Shri V. N. Kharkar, B.E. (Civil). | 1-10-87 | 31-3-88 | |
| 14. B) | Chief Engineer. (Common Services). | Shri M. Y. Sabnis, B.E. (Civil). | 1-4-87 | 31-5-87 | Transferred as Ch.E. (Rds.) with effect from 1-6-1987. |
| | | Shri R. K. Avadhani, B.E. (Civil). | 1-6-87 | 31-3-88 | |
| 15. | Controller of Stores. | Shri P.B. Momin, B.E. (Civil). | 1-4-87 | 30-9-87 | Promoted as Ch. Engg. (Civil), from 1-10-1987. |
| | | Shri D. S. Fadale, B.E. (Civil). | 1-10-87 | 31-3-88 | |
| 16. | Supdt. of Markets & Slaughter House. | — | — | — | Vacant. |
| 16. A) | General Manager. (Deonar Abattoir). | Dr. A. A. Padalkar, B.V.Sc. | 1-4-87 | 31-3-88 | Through out the year. |
| 16. B) | Ward Officer (Markets). | Shri G. R. Khairnar, B.Com. | 1-4-87 | 17-5-87 | Transferred from 18-5-87 to R/North Ward. |
| | | Shri H. L. Gangvani, M.J.E. (India), Chartered Eng. (India), B. E. (Civil). | 18-5-87 | 31-3-88 | |
| 17. | Administrative Officer (Enquiries). | Shri C. S. Karve, B.A.LL.B. | 1-4-87 | 30-11-87 | Superannuated from 1-12-87. |
| | Administrative Officer (Enquiries) I/c. | Shri V. V. Gaokar, B.A. (Hons). | 1-12-87 | 31-3-88 | |
| 18. | Security Officer. | Shri V. T. Davare, B.A. (Hons), L. G. S. | 1-4-87 | 31-3-88 | Through out the year. |

| 1. | 2. | 3. | 4. | 5. | |
|-----|---|--|-------------------|---------------------|---|
| | | | From | To | |
| 19. | Ward Officer (Estates.) | Shri S. P. Ghaste. B.A.L.L.B. | 1-4-87 | 31-3-88 | Through out the year. |
| 20. | Labour Officer. | Shri N. G. Kalme. M.A. (Social Work) | 1-4-87 | 31-3-88 | Through out the year. |
| 21. | Public Relations Officer & Editor Civil Journal. | Shri J. B. Mahajan. M.A. LL.B. | 1-4-87 | 31-3-88 | Through out the year. |
| 22. | Addl. Assessor & Collector (Octroi). | Shri D. R. Joshi. B.A. (Spl.) L. S. G. D. Shri M. R. Prabhu. B.A. (Spl.) L.S.G.D. Pravin, LL.B.—II, L.G.S. | 1-4-87 18-4-87 | 17-4-87 31-10-87 | Promoted as A. & C. from 18-4-1987. Promoted as A. & C. from 1-11-1987. |
| | | Shri N. M. Salunke. B.A.(Spl.). | 1-11-87 | 31-3-88 | |
| 23. | Suptd. of Licences. | Shri I. A. Chougule. S.S.C.L.S. G. D. | 1-4-87 | 30-9-87 | Retired from 1-10-1987. |
| | | Shri G. K. Kadlak. B. A. | 1-10-87 | 31-3-88 | |
| 24. | Supdt. of Gardens. | Shri J. C. Garkhel. B.Sc. (Hons.) Agriculture. | 1-4-87 | 31-3-88 | Through out the year. |
| 25. | Manager, Municipal Printing Press. | Shri M.M. Kamat. Printing Technology, Diploma in Business, Management. | 1-4-87 | 31-3-88 | 39 days E. L. granted from 20-4-1987 to 28-5-1987, R.D. on 29-5-1987 w.b.o. 19-4-1987 being Sunday. During this period Shri. N. L. Mandke, Dy. M. M. P. was appointed as Manager. 150 days E. L. granted from 10-9-1987 to 6-2-1988 w.b.o. 7-2-1988 being Sunday, R. D. on 8-2-1988. During this period Shri P. G. Vedpathak, O. S. D. (Press) looked after the work of Manager. |
| | Officer on Special Duty (Press). | Shri P. G. Vedpathak. B.A. (Spl.) L. G. S. | 10-9-87 | 31-3-88 | Appointed as O. S. D. (Press) from 10-9-1987 as per M.C.'s order No. PPK/5564 of 10-9-87 for a period of six months and tenure further extended for a period of six months vide No. DMC(E)/AMC/(W)'s order No. PPK/6666 dated 7-3-1988. |
| 26. | Asstt. Medical Officer (E.N.T. Hospital). | Dr. (Smt.) S.C. Basrur, M.B.B.S., D.G.O. | 1-4-87 | 31-3-88 | She had taken leave from 4-5-1987 to 16-5-1987 and 20-7-1987 to 19-8-1987. During her leave period, Dr. J. Z. Naik was looking after the work of A.M.O. |
| 27. | Curator, Dr. B. D. Lad. Museum. I/c. | Shri M. D. Mistry. S. S. C. | 1-4-87 | 31-12-87 | Shri Mistry appointed as Curator I/c. with effect from 1-3-86 to 31-8-1986 and is further continued from 1-9-1986 to 31-8-1987 and from 1-9-1987 to 31-8-1988 or till the post of curator is filled in or till the proposal to hand over the Museum for management to the Prince of Wales museum is finalised whichever is earlier. |
| | Curator, Dr. B. D. Lad. Museum. | Shri A.P. Fondekar.-M.Sc. D.B.M. | 1-1-88 | 31-3-88 | |
| 28. | Manager, Mahatma Gandhi Memorial Olympic Swimming Pool. | Shri R. N. Patil, S.S.C. | 1-4-87 | 12-1-88 | Transferred to S. G. department from 13-1-1988. |
| | | | 13-1-88 | 31-3-88 | Vacant. |
| 29. | Manager, Raja Beldevdas. Birla Kreed Kendra. | Shri S. J. Babar, B.A. (Spl.) L.S.G.D. L.G.S. | 1-4-87 | 31-3-88 | Through out the year. |

SUBURBS & EXTENDED SUBURBS

| 1. | 2. | 3. | 4. | 5. | |
|----|---|--|---------|---------|--|
| | | | From | To | |
| 1. | Dy. Ex. Health Officer (Western Suburbs). | Dr. A. A. Shaikh, M.B.B.S. D.P.H. | 1-4-87 | 31-8-87 | Transferred to Head Quarters from 1-9-1987. |
| | | Dr. G. M. Advani, M.B.B.S., D. P. H. | 1-9-87 | 31-3-88 | |
| | Dy. Ex. Health Officer. (Eastern suburbs). | Dr. S. E. Peermohamed, M.B.B.S., D.P.H. | 1-4-87 | 31-3-88 | Through out the year. |
| 2. | Dy. Assessor & Collector. (Eastern Suburbs). | Shri K. G. Bhide, Matric, L.S.G.D. | 1-4-87 | 30-8-87 | Retired with effect from 1-10- 1987. |
| | | Shri V. A. Lokapur, B.A, L.S.G.D. | 1-10-87 | 7-10-87 | Transformed as Dy. A. & C. (Octroi) from 8-10-1987. |
| | | Shri Y. R. Gosavi, Matric, L. S. G. D. | 8-10-87 | 29-2-88 | Transferred as Dy. A. & C. (Octroi) from 1-3-1988. |
| | | Shri P. B. Jagvaikar, B. Com. | 1-3-88 | 31-3-88 | |
| 3. | Dy. Assessor & Collector (Western Suburbs). | Shri S. D. Madiwale, S. S. C. | 1-4-87 | 31-3-88 | Through out the year. |
| 4. | Dy. Supdt. of Markets. (Western Suburbs) III.. | Shri B. V. Navrekar, B.A. (Spl.) L.S.G.D., L.G.S., S.I. | 1-4-87 | 31-3-88 | Through out the year. |
| | Dy. Supdt. of Markets. (Western Suburbs) IV. | Shri V. G. Lagu, B.A., L.S.G.D., S.I. (London). | 1-4-87 | 31-3-88 | Through out the year. |
| 5. | Dy. Supdt. of Markets. (Eastern Suburbs) V. | Shri C. S. Bendre, S.S.C, S. I., L. S. G. D. | 1-4-87 | 31-3-88 | Through out the year. |

CENTRAL CONTROL ROOM

The complaints Section dealt with the complaints received in the Central Control Room by referring them to the departments concerned and following them up systematically to ensure prompt redressal of the grievances. It remained open all the days of the year including Sundays and Holidays.

The total number of complaints registered and followed up during the year under report was 2363 as detailed in the accompanying statement as against 2533 in the preceding year.

The Section worked in close co-operation with the Fire Brigade and Water Supply Control Room and ensured that in cases of house collapses and such other emergencies, the Municipal Officers and Staff reached the site in time, to mitigate the hardships of the victims. Co-operation among various agencies including Maharashtra Housing & Area Development Board was also brought about on such occasions.

Information on civic matters was furnished to the members of Public on request.

| Ward | Drainage | Building | Water Works | Road | Refuse | P. C. O. (Rat & Mosquito) | Licence | Stray Dogs | Fire | Miscellaneous (Carcass, Monkey etc.) | Flooding | Total |
|----------------|------------|------------|-------------|-----------|------------|---------------------------|-----------|------------|------------|--------------------------------------|-----------|-------------|
| A | 29 | 39 | 2 | 5 | 20 | 4 | 2 | 10 | 12 | 48 | 2 | 171 |
| B | 135 | 66 | 20 | 5 | 78 | 5 | 6 | 1 | 7 | 20 | 6 | 349 |
| C | 22 | 90 | 14 | 2 | 27 | ... | 2 | 4 | 9 | 7 | 2 | 179 |
| D | 62 | 80 | 4 | 11 | 24 | 3 | 3 | 9 | 13 | 41 | 13 | 283 |
| E | 42 | 57 | 2 | 12 | 12 | 2 | ... | 7 | 25 | 38 | 3 | 200 |
| F/South | 15 | 31 | ... | 5 | 4 | ... | 2 | 6 | 11 | 41 | 5 | 120 |
| F/North | 29 | 11 | 2 | 14 | 14 | 1 | 2 | 6 | 8 | 33 | 7 | 127 |
| G/South | 27 | 32 | 4 | 7 | 5 | ... | ... | 7 | 21 | 33 | 3 | 139 |
| G/North | 29 | 37 | 7 | 6 | 4 | ... | 3 | 10 | 7 | 48 | 2 | 153 |
| H/East | 2 | 4 | 1 | ... | 2 | ... | ... | 5 | 3 | 10 | ... | 27 |
| H/West | 38 | 18 | 2 | 5 | 18 | 1 | 12 | 5 | 5 | 34 | 1 | 139 |
| K/East | 9 | 20 | 1 | 3 | 2 | 1 | 2 | 11 | 9 | 51 | 1 | 110 |
| K/West | 10 | 10 | 5 | 2 | 1 | 2 | 1 | 7 | 4 | 20 | ... | 62 |
| L | 9 | 21 | 2 | 3 | 2 | ... | 4 | 2 | 10 | 7 | 2 | 62 |
| M/East | 6 | 3 | ... | ... | ... | 1 | 2 | ... | 9 | 3 | 1 | 25 |
| M/West | 3 | 7 | 3 | 1 | 2 | ... | 1 | 2 | 6 | 9 | 2 | 36 |
| N | 8 | 10 | 1 | 1 | 2 | 2 | 6 | 1 | 4 | 14 | 2 | 51 |
| P/South | 3 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 10 | ... | 28 |
| P/North | ... | 2 | ... | 2 | 1 | ... | ... | ... | ... | 10 | 1 | 16 |
| R/South | ... | 2 | ... | 1 | ... | ... | 1 | 2 | 7 | 4 | ... | 17 |
| R/North | 1 | 3 | ... | 2 | ... | ... | ... | 8 | 5 | 9 | 2 | 28 |
| S | 2 | 12 | 1 | 1 | ... | ... | ... | ... | 4 | 8 | 1 | 29 |
| T | 1 | 9 | 2 | 1 | 3 | ... | 1 | 3 | 3 | 9 | ... | 32 |
| TOTAL : | 482 | 569 | 74 | 90 | 222 | 23 | 51 | 105 | 186 | 505 | 58 | 2363 |

Sd/-

Complaints Officer
(Central Control Room)

Sd/-

Ward Officer 'B' Ward.

PUBLIC RELATIONS DEPARTMENT

Shri. J. B. Mahajan, M.A., LL.B., was Public Relations Officer and Editor, Brihan Mumbai Mahanagarपालिका Pत्रिका, during the year 1987-88.

Efforts were made to give wide publicity to the various activities of the Municipal Corporation through the conventional and mass publicity media such as newspapers, All India Radio, Doordarshan, informative films, exhibitions etc. The department continued to liaison between the members of public and the different municipal departments. The dissemination of information about the civic activities and the services rendered by different municipal departments had been a major activity of this department. The information counter of this department continued to give necessary guidance and information to the public in addition to carrying out the sale of various civic publications.

Press Notes, Handouts etc. : During the year under reference 764 press notes and seven handouts giving information about various civic services and declarations of the civic projects etc. were issued to the press, Radio and T. V. etc.

Press Room : A press room equipped with lockers, telephone, typewriter etc. continued to be provided for the use of press reporters and media people. During the year 1987-88, Municipal Commissioner's six press meets for briefing the press on important issues were arranged. Nine press visits to the municipal institutions and installations were also arranged to give information related to civic services, activities and programmes etc.

Rejoinders and Clarifications : A number of complaints received through letters and over telephone regarding civic matters were attended to. The replies and clarifications totalling 209 on the criticism and suggestions appearing in the local newspapers were also promptly issued during the year under reference.

Production of Publicity Literature : The Civic Diary 1988 consisting of diary, useful civic information with eight colour photographs was brought out in addition to a list of Municipal Councillors and Officers as the regular publications. The department also extended co-operation to the Municipal Secretary in bringing out multi-colour Municipal Year Book, 1987-88.

A special multi-colour booklet on Bombay Fire Brigade was also brought out on the occasion of the Centenary Celebrations of the institution. Other publicity literatures such as posters and folders on various subjects such as Handicapped Children, Dehydration, Leprosy, Conservancy, Save Water etc. were also brought out.

Film Shows : The department organises film shows to educate the masses especially slum dwellers in the city and as a part of it 258 film shows on health education, civic sense etc. were organised during 1987-88.

Photography : The photography section of the department continued to cover all the major civic events and functions. Special efforts were made for preparing colour transparencies to be used in multi-colour publications and printing greeting cards etc.

Protocol, Liaison and Exhibitions : Receiving the guests of the Corporation and arranging for their hospitality has been a major function of this department. During the year under reference, over 100 guests including Mayors, Commissioners and other top officials of the various municipal corporations in India and abroad and other dignitaries were received by this department and extended them hospitality by way of making their staying and sight-seeing arrangements.

This department has also organised a health exhibition of Mount Mary Fair, Bandra and at other places with the help of social, educational and charitable institutions. Exhibitions at the sites of immunisation camps was a special feature during the year.

Special Activities : In addition to the usual cleansing campaigns, special campaigns for Civic Health Camps were carried out extensively. Sustained educative propaganda was undertaken through various media of publicity. Extensive publicity was also given to the "Fourth Quienuennial Census of children" organised by the Education Department. Besides, the department also assisted the Municipal Secretary in organising the annual 'Clean Mumbai, Green Mumbai' Competitions so also the open tournaments in Kabaddi, Kho-Kho and Wrestling for the Mayor's shields and Executive Committee Meeting of the 'All India Mayor's Council and Conference of Committee of the Single Municipal Act'. Similarly due publicity was given to departmental civic functions.

The department also participated in the observance of the World Health Day, National Cleanliness Day, World Leprosy Day, Social Education Week, Family Planning Campaign, Grow More Trees Campaign, Anti-Fire Campaign, Flay Day and also other health drives and exhibitions organised by various Social Welfare Organisations.

BRIHAN MUMBAI MAHANAGARPALIKA PATRIKA

Shri J. B. Mahajan, M.A., LL.B., the Public Relations Officer of the Corporation also worked as Editor of Brihan Mumbai Mahanagar Palika Patrika during the year 1987-88.

In the monthly issues of the Patrika various articles on civic activities, Important Municipal Circulars, and some of the items of the minutes of the Municipal Commissioner's meeting with Addl. Municipal Commissioners, Dy. Municipal Commissioners, Head of the Departments and Ward Officers were published for giving the information to the readers of the multifarious activities undertaken by the Corporation for their welfare.

Centenary celebrations of Mumbai Fire Brigade and Balgandharva were the important functions, to which wide coverage was given in Patrika by bringing out two special issues in the month of April 1987 (Mumbai Fire Brigade Centenary) and June 1987 (Bal Gandharva Birth Centenary).

A five day Yokohama Festival was observed in Mumbai from 14th to 18th October 1987 at Birla Krida Kendra, Chowpatty as a part of the celebrations of Japan month jointly sponsored by Government of India and Government of Japan. The Patrika gave full coverage to this important event.

Other events which were given due publicity in the Patrika included the annual elections of the Mayor and Chairmen of the statutory and special committees, Annual Budget of Municipal Corporation and some highlights of Central and State Budgets, celebration of World Health Day, celebration of Shiyaji Jayanti, presentation of Nurses' Awards, civic receptions to Shri Sunil Gavaskar, and Smt. Lata Mangeshkar, mass immunisation campaigns, Republic Day and Maharashtra Day Celebrations.

Sd/-
Public Relations Officer,

BACKWARD CLASS CELL

The Backward Class Cell is headed by Deputy Personnel Officer (Backward Class Cell) which is put under control and supervision of Deputy Municipal Commissioner with a view to check whether the Government policies with regards to reservation of vacancies for Backward Class communities as per prescribed percentage in the matter of direct recruitment and also at the stage of promotions are being implemented effectively in all the wards and departments.

The department had collected the quarterly information and six monthly information from all the departments and wards, and has compiled together. The quarterly return contains the number of B. C. candidates recruited during particular quarter against reserved quota for B. Cs., backlog of B. Cs. etc., while six monthly return contains number and names of B. C. candidates recruited and promoted during a particular six monthly period and backlog of B. Cs. etc. During the year of report, the quarterly returns upto the quarter ending 31st December 1987 and six monthly report upto the period ending 30th June 1987 has been submitted to the Government and Corporation respectively.

During the year under report, 390 proposals involving the question of reservation scrutinised by this cell.

28 complaints and grievances of B. C. employees regarding recruitment, promotion, seniority etc. were attended to by this department.

Deputy Personnel Officer (Backward-Class Cell) and his representatives have served as a member of panel for recruitment and promotion.

During the period under report, the Scheduled Caste Welfare Committee (a legislative Committee of Assembly of Maharashtra) desired to discuss with Municipal Officials, regarding progress made in filling up the backlog of B. Cs. in the services of the Corporation as well as welfare of B. Cs. Accordingly, the meetings were held which were attended to by A. M. C. (V), D. M. C. (P) Dy. C. A. (P), P. O., Dy. P. O. (B. C. Cell) etc. As desired by the Committee, the statements showing the position of the total posts in each category, number of S. C. employees in each post, backlog of S. Cs. etc. were submitted.

Recently, the above referred to Committee has published the minutes/proceedings of the meetings with its recommendation and have designed the Corporation to submit the detail report on the recommendations made.

The necessary report in detail on the recommendations as mentioned above is being prepared, which will be submitted to the committee very shortly.

Dy. Personnel Officer
(Backward Class Cell)

LABOUR DEPARTMENT

High lights :—

| | |
|---|--------------------|
| (1) Expenditure— | |
| (i) Establishment | — Rs. 15,01,518.10 |
| (ii) Other than Estt. | — Rs. 8,19,800.00 |
| (2) Recognised Unions | — 46 |
| (3) Joint Councils | — 2 |
| (4) Welfare Centres | — 51 |
| (5) Grievances attended | — 21,415 |
| (6) Average daily attendance of Welfare Centres | |
| (i) Adults | — 5,865 |
| (ii) Children | — 6,120 |

Trade Unions :—

The Trade Union activities among Labour and other staff members were mostly confined to 46 unions/Associations recognised by the Municipal Commissioner as per rules and covers about 1.25 lakhs employees.

Industrial Relations :—

With a view to promote harmonious Industrial Relations the following steps were continued.

(i) **Grievance Procedure** :—The periodical meetings of the Grievance Committee *i.e.* at unit level, zonal level, Apex level were arranged at different wards and department to settle the labour problems of all the deptts. and wards as well as individual grievances of the employees. The unit level committee meetings were attended by A. L. Os whereas Zonal level committee meetings were attended by Dy. L. O. and Apex committee meetings by Labour Officer. Whenever the meetings of the grievance committee are held in L. O.'s chamber, the representatives of the concerned union and the employees are also requested to remain present. Such meetings were held from time to time in L. O.'s chamber. The efforts are made by the unit level committees to settle grievances existing at Shop/Unit level where there is no deviation from the existing policies. The policy decisions are discussed at Apex Level and the grievances which could not be solved at Unit Level are discussed at Zonal Level.

(ii) **Individual Grievances** :—The individual grievances from the individual employees are represented by the unions received directly in this department are attended by this office.

These grievances are of various nature and can be broadly classified as under :—

- (1) Recruitment, retrenchment and reinstatement.
- (2) Promotions, Transfers, Confirmation and annual increments.
- (3) Fines, Reversion, Suspensions, Removal, Dismissal and other punishments.
- (4) Delay in Payment of wages (Wages of leave, Overtime, Leave Travel Assistance etc.) and Allowances.
- (5) Delay in settlement of Provident Fund and other retirement benefits.
- (6) Non-supply of equipments and uniforms.
- (7) Delay in sanctioning leave due.
- (8) House Rent, accommodation and transfers of quarters.
- (9) P. T. employment.

Industrial Disputes :—

During the year under report, 21 disputes were referred to the different authorities such as Government Labour Officer, Asstt. Commissioner of Labour, Conciliation Officer *i.e.* office of Commissioner of Labour, Labour Court/Industrial Tribunals etc. Out of 17 disputes, are referred to the Office of Commissioner of Labour as stated in Appendix 'A', 5 disputes were not settled and failure report is submitted to Government. The remaining 12 cases have been settled. Out of 4 approval applications referred to Industrial Tribunal, the Tribunal has granted approval to 2 applications and 2 are still pending.

Scholarship to the children of the Municipal employees :—

During the year 1987-88, 300 employees applied for scholarship to their children for various studies. However, the matter is yet to be finalised and likely expenditure of Rs. 1,35,000/- of scholarship is to be incurred. After finalisation, the necessary circular will be issued to all Head of Departments and Ward Officers. Meeting in this respect will be fixed shortly.

Medical Assistance scheme for Municipal employees :—

Under the above scheme of granting medical aid to Municipal employees from Labour Welfare Fund, 120 Municipal employees were given financial assistance of Rs. 2,59,420.25 for them or their dependent's sickness.

Immediate Cash Assistance :—

Under the scheme for granting Immediate Cash Assistance of Rs. 500/- to the direct dependants of Municipal employees who die while in service, the amount of Rs. 4,00,000/- only was spent during the year under report. Thus 800 dependants of the ex-employees have been given this benefit.

Inter Ward/Inter Departmental Drama Competitions :—

Twelve Wards/Departments took part in the Inter Ward/ Inter departmental drama Competitions held at Birla Kreedā Kendra Chowpaty between 4-2-1988 to 29-2-1988.

First three dramas were awarded with rotating trophies. Besides the trophies, 5 individual prizes of Rs. 251/- each were awarded to the Best Actor, the Best Actress, Best Director, Best Background Music and Best setting as done annually. 20 consolation prizes for the acting in drama were given Cash prize of Rs. 51/- for acting and cash prize of Rs. 51/- was awarded for script Written by Municipal employee.

The prize winning departments and individual Best Prize Winners are as follows :—

- | | |
|---------------------------|--|
| 1. First Prize for drama | : Satha Patrottaranchi Kahani Asaphal Apurna — (Dy. Ch. Eng. Bldg. Prop. I). |
| 2. Second Prize for drama | : Andhar Maza Sobati — (W.O.H./W. Ward). |
| 3. Third prize for drama | : Samadhi — (Hydraulic Engineer). |
| 4. Best Actor | : Shri Devanand Jadhav. |
| 5. Best Actress | : Smt. Kalpana Bodas. |
| 6. Best Direction | : Shri Chandramani Turbhekar. (Satha Patrottaranchi Kahani). |
| 7. Best Setting | : Shri Deepak Padte (Man Without Shadows). |
| 8. Background Music | : Smt. Jayashree Apate. (—,—) |

Recruitment of Telephone Operators :—

The work of recruitment, transfer, promotion and confirmation of Telephone Operators is entrusted to this department.

During the year under report—

1. 26 Telephone Operators 'B' Grade are appointed.
2. 21 Telephone Operators 'B' Grade are promoted to the post of Telephone Operator 'A' Grade.

Recruitment of P. T. candidates for Sub-clerical & Class IV posts :—

Ninety P. T. candidates have been appointed as part time Registration Asstts. and 76 P. T. Registration Asstts. have been promoted as Full-time Registration Asstts. 111 P. T. candidates were appointed to the posts of Laboarsers & 177 P. T. candidates were appointed to the post of Ayah/Sweeper/Hamal.

Welfare Branch :—

51 Welfare centres are run by this department, on an average attendance of the Adult Male/Female participants and children at the different welfare centres is about 6000 and 5900 respectively. The activities are conducted regularly at the different welfare centres are as under :—

For Women and Girls :—

Sewing, Embroidery, Knitting, Cooking, Handicraft, Indoor and outdoor games, Music, Dance, etc.

For Adults and Boys :—

Indoor and outdoor games, Gymnasium, Dramatics, Dances, Debating etc.

In addition to the above, Inter Centre Tournaments/Competitions and other activities were conducted as mentioned below :—

(i) Inter Centre Tournaments and Competitions :— Volley Ball, Carrom, Kabaddi, Table Tennis, Rangoli, Elocution and Fancy Dress Competitions were held during the year under report.

(ii) Film Shows :— Documentary and full length feature film of the Educational and social importance were shown at the different welfare centres during the year when other functions were not there.

(iii) Excursion for Nursing Staff :— The excursion to Delhi, Nainital, Haridwar, Rishikesh and Mussorie was organised during the period from 30-3-1988 to 8-4-1988.

Total 55 nurses from different hospitals and maternity homes participated in the excursion.

(2) Balwadies :—

Balwadies are conducted at the following welfare centres regularly.

1. Bapty Road Welfare Centre.
2. Palton Road Welfare Centre.
3. Colaba Welfare Centre.
4. Dadar Welfare Centre (Gujarathi).
5. Chembur Welfare Centre.
6. Dadar Welfare Centre (Marathi).

7. Fire Brigade Welfare Centre.

Nearly 365 children of the Municipal employees have taken advantage of the Balwadies.

(3) Defferent Functions :-

(A) Ganpati Festival was organised at 23 welfare centres when cultural items were presented during the festival and the prizes were distributed to the participants for taking part and showing their talents in the programmes.

(B) Halqi Kumkum functions were organised at 49 centres.

(C) Buddha Jayanti functions were organised at 14 welfare centres.

(D) The National Days such as 26th January and 15th August were also celebrated at all Welfare Centres.

(4) GIRL GUIDE :- Guides of our department have taken the part in the following activities :-

1. Tree plantation programme.
2. Patrol Leader's training.
3. First class Training.
4. Scout Guide week.
5. Anand Mela.

They have earned 'Khari Kamai' by going door to door in their respective area and handed over the amount of Rs. 800/- to the West Bombay Bharat Scouts and Guides. It is very significant to note that 8 guides and 2 guiders were selected to the Jamboree held at Goregaon. They got 'A' grade.

(5) PROVISION OF TELEVISION SETS :

42 Welfare Centres are provided with the television sets for the use of participants at the centres under control of L. O. under the contributory community T. V. scheme in the year under report through the Director of Rural Broadcasting, Govt. of Maharashtra. During the year 42 T. V. sets have been provided at 42 centres situated in City, Suburbs, extended suburbs and outside City division of Water Works Deptt.

STATISTICAL CELL

The Statistical Cell is working under Labour Officer. The Statistical information in respect of total employees, wages, grades etc. are collected paysheet-wise from various departments of the Corporation.

Certain statistical information required by the State/Central Govt. and Corporation of various categories and posts in the Municipal Corporation has been collected by this department during the year under report.

**Job Evaluation Study of Municipal employees in the
Municipal Corporation of Greater Bombay.**

An agreement was executed on 18-8-1985 between the Municipal Administration and Unions to evaluate the jobs of Municipal employees working in different categories in different units of the Corporation. As per the Terms of Agreement it was decided to carry out job analysis and prepare job descriptions for all the jobs except M. C., A.M.C., Medical Teachers and the staff working in the Secondary Schools who are governed by S. S. Code. The process of job evaluation study is to be carried out with participation of representatives of Administration as well as Unions after giving them requisite training for the same. It was anticipated to complete the job evaluation study, within a period of 18 to 24 months.

Accordingly training was given in batches upto December, 1987 and nearly 36 Sub-committee members and 34 Field Officers were trained and thereafter the job evaluation study commenced in February, 1988.

As per the Terms of Agreement members of the Apex Panel and Steering Committee for job evaluation study were finalised. After commencing job evaluation study in February, 1988, we completed job evaluation study in Transport Department, Garden Department, Education Deptt. (non-teaching), Security Department. The Job Evaluation work is in progress in Engineering Department Municipal Printing Press, Fire Brigade and Nair Hospital. As per the agreement this study is required to be completed by the end of August, 1989, so that thereafter the work of finalising factors, degrees, definations and weightages can be taken in hand on the basis of following plans :-

1. Points span for range minimum and maximum points.
2. Break points.
3. Existing practices in B.M.C.
4. Distribution of jobs in various grades.
5. Checking with Bench Mark job.

ARBITRATION

Arbitration proceedings in respect of 67 disputed categories are in progress.

Labour Officer.
D. P. A. R.

APPENDIX - A (1987)

| Sr. No. | Authority | Subject | Remarks |
|---------|-------------------------------|--|---|
| 1. | Asstt. Commissioner of Labour | Withdrawal of orders contained in circular No. MOM/1636 of 20-12-86 regarding late attendance. | Settled. |
| 2. | —do— | Notice of change in respect of promotion and appointment of Probationary officers in C. A.'s department. | failure report is sent to the Government. |
| 3. | —do— | Notice of change in respect of change in qualification of head clerks. | —do— |
| 4. | —do— | Notice of change in respect of Security deposit attached to the post of paymasters/jr. paymasters in C. A.'s department. | Settled. |
| 5. | —do— | Notice of change in respect of qualifications for the post of Head Clerks (f.e. cause of viva voce). | —do— |
| 6. | —do— | Notice of change in respect of amendment in the scholarship rules. | —do— |
| 7. | —do— | Notice of change regarding holiday policy. | —do— |
| 8. | —do— | Introduction of second shift for the staff working in National Centre for Neuro science of Nair Hospital. | —do— |
| 9. | —do— | Introduction of mechanical sweeper in Solid Waste Management department. | —do— |
| 10. | —do— | Illegal lockout at the place of work from 21-1-87 commencing from 9.00 a.m. to 23-1-87 upto 1.00 a.m. | —do— |
| 11. | —do— | Dispute regarding Charter of demands. | —do— |
| 12. | —do— | Forcible dispossession of room No. 40, 6-Blocks Mahalaxmi. | —do— |
| 13. | —do— | Demand for leave salary. | —do— |
| 14. | —do— | Reduction of Security Guards in Security Deptt. | —do— |
| 15. | —do— | conversion of the Cadre of Jr. Paymasters and Stock Verifiers into Clerks/Jr. A.As. on the Estt. of C. A.'s Department. | Failure report is sent to the Government. |
| 16. | —do— | Maintenance of common seniority. | —do— |
| 17. | —do— | Introduction of Illrd shift for the staff at Deonar Municipal Garage. | —do— |

APPENDIX 'B'

| Sr. No. | Authority | Subject | Remarks |
|---------|---------------------|---|--------------------------|
| 1. | Industrial Tribunal | Approval Application in respect of Shri S. B. Shinde, H. C. of S. W. M. Deptt. | Approval granted. |
| 2. | —do— | Approval Application in respect of Shri V. G. Devrukhar, Octroi Inspector of A. & C. Deptt. | Approval granted. |
| 3. | —do— | Approval Application in respect of Shri S. H. Pundhyaji, Clerk-cum-Store Keeper-cum-Time Keeper of Family Welfare Unit. | Pending before Tribunal. |
| 4. | —do— | Approval Application in respect of Shri R. D. Desai, O. S. of A. & C. Deptt. | —do— |

LABOUR OFFICER,
D. P. A. R.

LEGAL DEPARTMENT.

Legal Department deal with all the litigation filed by or against the Corporation in various Courts and Tribunals. In addition, Legal Department gives opinions to various departments of the Corporation on the reference made to it. Legal Department also does the work of drafting Conveyance and other legal documents. It also deal with all other legal matters pertaining to the Corporation. The details are given below :—

| Sr. No. | Matter | Outstanding at the close of last year. | Received during the year under report | Total | Disposed during the year under report | Balance at the end of the year under report. |
|--|---|--|---------------------------------------|-------|---------------------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I SUPREME COURT | | | | | | |
| | Appeals | 2215 | 48 | 2263 | 13 | 2250 |
| II HIGH COURT | | | | | | |
| 1. | First Appeal | 367 | 71 | 438 | 32 | 406 |
| 2. | Appeals from order | 491 | 253 | 744 | 238 | 506 |
| 3. | Letters patent Appeals | 11 | 4 | 15 | 1 | 14 |
| 4. | Civil Applications | 454 | 241 | 695 | 229 | 466 |
| 5. | Civil Revision Applications | 24 | 10 | 34 | 10 | 24 |
| 6. | Writ Petition (Appellate Side) | 185 | 48 | 233 | 31 | 202 |
| 7. | Long Cause Suit | 170 | 35 | 205 | 5 | 200 |
| 8. | Arbitration Suit | 15 | 7 | 22 | 7 | 15 |
| 9. | Insolvency Matter & Company Petitions | 104 | ... | 104 | ... | 104 |
| 10. | Appeal Before Division Bench (Original Side). | 270 | 70 | 340 | 46 | 294 |
| 11. | Writ Petition (O.S.) | 1960 | 466 | 2426 | 142 | 2284 |
| 12. | Chamber Summons in Original Side including Division Bench | 4 | 31 | 35 | 20 | 15 |
| 13. | Notice of Motion | 130 | 70 | 200 | 27 | 173 |
| 14. | Andhra-Hyderabad High Court | 1 | ... | 1 | ... | 1 |
| 15. | Delhi High Court | ... | 2 | 2 | 2 | ... |
| 16. | Madras High Court | 1 | ... | 1 | ... | 1 |
| 17. | Bilaspur Civil Court | 1 | ... | 1 | ... | 1 |
| 18. | Paper Petition | ... | ... | ... | ... | ... |
| 19. | Suo Mottio Petition | ... | 2 | 2 | 2 | ... |
| 20. | Review Petition | 2 | ... | 2 | ... | 2 |
| 21. | Land Acquisition Reference | 37 | 5 | 42 | 5 | 37 |
| III CITY CIVIL COURT | | | | | | |
| 1. | Suit filed by the Corporation | 53 | 1 | 54 | 1 | 53 |
| 2. | Suit filed against the Corporation | 3872 | 2676 | 6548 | 1202 | 5346 |
| 3. | Miscellaneous Appeals | 170 | 46 | 216 | 199 | 17 |
| IV SMALL CAUSES COURT | | | | | | |
| 1. | Suits filed by the Corporation | 27 | 25 | 52 | 10 | 42 |
| 2. | Suits filed against the Corporation | 278 | 41 | 319 | 52 | 267 |
| 3. | Garnishee Notices | 6 | 5 | 11 | 8 | 3 |
| 4. | Notices in suits | 40 | 38 | 78 | 25 | 53 |
| 5. | Full Court Appellants (Appeals) | 4 | 10 | 14 | 06 | 8 |
| 6. | Licences and setback appeals | 78 | 35 | 113 | 39 | 74 |
| 7. | Appeals against Rateable Value | 1741 | 197 | 1938 | 926 | 1012 |
| 8. | References U/s 503 of B. M. C. Act. | 199 | 40 | 239 | 43 | 196 |
| V LABOUR AND INDUSTRIAL 'TRIBUNAL' COURT. | | | | | | |
| 1. | Labour Court Applications, Workmens' Compensation and Authority under Payment of Wages Act. | 88 | 41 | 129 | 25 | 104 |
| 2. | Motor Accidents | 92 | 19 | 111 | 22 | 89 |
| VI POLICE COURT | | | | | | |
| 1. | Cases under B. M. C. Act. | 73251 | 28699 | 10950 | 24625 | 77325 |
| 2. | I. P. C. | 52 | 9 | 61 | 5 | 56 |
| 3. | P. F. A. | 55 | 28 | 83 | 17 | 66 |
| 4. | Traffic | ... | 2 | 2 | 2 | ... |
| 5. | Under Section 515 of B. M. C. Act. | 25 | 6 | 31 | 4 | 27 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--|--|-----|-----|-----|-----|-------|
| 6. | Lunatic Cases | 7 | 4 | 11 | 7 | 4 |
| 7. | Contested Cases under B. M. C. Act. | 75 | 3 | 78 | 7 | 71 |
| 8. | M. R. T. P. | 16 | 16 | 31 | 14 | 17 |
| 9. | Tree Cutting Cases | 16 | 19 | 35 | 3 | 32 |
| 10. | High Court Criminal Appeal | 37 | ... | 37 | 1 | 36 |
| 11. | High Court Criminal Application | 2 | 42 | 44 | 10 | 34 |
| 12. | Sessions Court Criminal Appeal | ... | ... | ... | ... | ... |
| 13. | Sessions Court Criminal Revision Application | 2 | 5 | 7 | 3 | 4 |
| 14. | Case under Shops & Establishment Act. | 7 | 2 | 9 | 3 | 6 |
| 15. | Criminal P. Code | 13 | 8 | 21 | 11 | 10 |
| 16. | High Court Criminal Writ Petition | 5 | 2 | 7 | 1 | 6 |
| 17. | High Court Criminal Revision Application | ... | 4 | 4 | ... | 4 |
| 18. | Protection of Civil Rights | 1 | ... | 1 | 1 | ... |
| 19. | P. F. Cases | 25 | ... | 25 | ... | 25 |
| 20. | Company Law | ... | 1 | 1 | 1 | ... |
| VII. 1. MUNICIPAL ENQUIRIES COURT (SECTION 105 B OF THE B. M. C. ACT) | | | | | | |
| 1. | Cases pending as on 1-4-87 | ... | ... | ... | ... | 3698 |
| 2. | New cases referred to enquiries Officers from 1-4-87 to 31-3-1988 | ... | ... | ... | ... | 11025 |
| 3. | Total number of cases disposed of during the year under report | ... | ... | ... | ... | 10730 |
| 4. | Total number of cases pending as on 31-3-1988 | ... | ... | ... | ... | ... |
| VIII. DOCUMENTS COMPLETED DURING THE YEAR : | | | | | | |
| 1. | Deed of Conveyance and Agreement (F. S. I.) | ... | ... | ... | ... | 215 |
| 2. | Certificate of Sale | ... | ... | ... | ... | 12 |
| 3. | Deed of Confirmation | ... | ... | ... | ... | 3 |
| 4. | Agreement | ... | ... | ... | ... | 68 |
| 5. | Deed of Trust | ... | ... | ... | ... | 2 |
| 6. | Deed of Lease | ... | ... | ... | ... | 1 |
| 7. | Indemnity Bond | ... | ... | ... | ... | 3 |
| 8. | Cases for compensation for set back (Sub). | ... | ... | ... | ... | 166 |
| 9. | Cases for Compensation for set back (city) | ... | ... | ... | ... | 14 |
| 10. | Advice matter in respect of Stamp duty, Agreement lease, set back P. F. claim etc. | ... | ... | ... | ... | 2840 |
| 11. | Indenture of Deed of Mortgage Deed of Receipt (Municipal Cor- poration Housing Society). | ... | ... | ... | ... | 18 |
| 12. | Further charge (Municipal Corporation Housing Soc.). | ... | ... | ... | ... | 14 |
| 13. | Appeal matter before charity Commissioner. | ... | ... | ... | ... | 2 |
| 14. | Appeal matter before Addl. Commissioner (B.B.). | ... | ... | ... | ... | 5 |
| 15. | Appeal matter before Co- operative Society's Court. | ... | ... | ... | ... | 3 |
| 16. | Appeal matter at Thane Civil Court. | ... | ... | ... | ... | 3 |
| 17. | Appeal matter before Sub- Divisional officer (B.S.D.). | ... | ... | ... | ... | 4 |
| 18. | Appeal matter before Dy. Collector (B.S.D.). | ... | ... | ... | ... | 3 |
| 19. | Appeal matter before Tahildar (Mulund). | ... | ... | ... | ... | 0 |
| 20. | Appeal matter at Shahpur Civil Court. | ... | ... | ... | ... | 2 |
| 21. | Appeal matter before Supdt. of Land Record. | ... | ... | ... | ... | 1 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----|---|-----|-----|-----|-----|------|
| 22. | Appeal matter before (Commi- tant Authority D. L. C.). | ... | ... | ... | ... | 1 |
| 23. | Individual Loan | ... | ... | ... | ... | 152 |
| 24. | Surety Bond | ... | ... | ... | ... | 360 |
| 25. | Agreement to Mortgage & Mortgage | ... | ... | ... | ... | 110 |
| 26. | Assignment | ... | ... | ... | ... | 24 |
| 27. | Identity Bonds | ... | ... | ... | ... | 25 |
| 28. | Draft Lease | ... | ... | ... | ... | 1 |
| 29. | Draft Licence & Deed of Covenants | ... | ... | ... | ... | 18 |
| 30. | Power of Attorney | ... | ... | ... | ... | 22 |
| 31. | Probate | ... | ... | ... | ... | 20 |
| 32. | Declaration | ... | ... | ... | ... | 3 |
| 33. | Letter of Administration | ... | ... | ... | ... | 10 |
| 34. | Draft Licence to Assign | ... | ... | ... | ... | 12 |
| 35. | Release Deed | ... | ... | ... | ... | 4 |
| 36. | Rectification | ... | ... | ... | ... | 4 |
| 37. | Reconveyance | ... | ... | ... | ... | 1 |
| 38. | Consent Decree | ... | ... | ... | ... | 6 |
| 39. | Gift Deed | ... | ... | ... | ... | 2 |
| 40. | Partition | ... | ... | ... | ... | 3 |
| 41. | Appointment of New Trustees and Settlement | ... | ... | ... | ... | 2 |
| 42. | Partnership and Retirement | ... | ... | ... | ... | 2 |
| 43. | Legal Notice | ... | ... | ... | ... | 25 |
| 44. | Total Receipts | ... | ... | ... | ... | 1471 |
| 45. | Opinion on reference from Deptt. & Parties | ... | ... | ... | ... | 687 |
| 46. | Opinion on documents and drafting documents Legal Notices | ... | ... | ... | ... | 600 |

Law Officer.

CENTRAL STORES

The Stores Department acts as a Central Purchasing and Stores Agency of the Corporation for procuring, storing and supplying various items to all the departments. There are about 299 schedules covering 2523 items. The purchasing are made by inviting tenders by public advertisement and/or by circular letters to the known dealers.

The transactions made during the year under report are shown below in Statement 'A'.

During the year under report, the expenditure incurred on Establishment was Rs. 29,82,630/-, Advertisement Rs. 1,69,014.00, Printing and Stationery Rs. 91,253.25/-, Misc., viz., Clothing, Books and Dead Stock, Electricity & telephones charges, etc., Rs. 2,20,480.94, and Maintenance and Repairs, was Rs. 1,29,600.00/-.

During the year, all together tenders invited were 255, quotations invited were 103, Contract executed were 229, and purchase orders placed were 1608.

During the year, 78 notices were served on defaulting suppliers and, in 1 case, tender deposits was forfeited. For delayed supplies, penalties were also recovered as per the terms of the contract.

FUTURE PLANNING

The Central Stores is working on manual system and there is no effective control on stock levels at the ward stores and other departmental stores even though some kind of budgetary control is exercised by C. A. In order to achieve this objective of stock control and to optimise investment in material. It has been decided to computerise the stock accounting, Inventory control and suppliers, accounting.

The process of taking each ward store on computer parallel run was started from April 1986 and was continued in the year 1987-88 so as to cover all the wards before December 1987 i.e. 9 ward stores have been taken on parallel run from April 1987 to December 1987 in addition to the 14 sub-stores already taken in the previous year. The live run for computer was started from 1-4-1988 for the month April 1988 in respect central stores only.

The Schedules and items pertaining to the Medical Institutions are being transferred from Central Stores to the Head of respective Medical Institutions from 1-4-1988.

STATEMENT 'A'

Statement showing the Stores transactions made during the year 1987-1988.

| Particulars | Capital Stores | General Stores | Total of Columns 2 & 3 |
|---|-----------------------|-----------------------|---------------------------|
| (1) | (2) | (3) | (4) |
| Value of Stores as on 1st April 1987. | 39,01,048.81 | 56,42,596.98 | 95,43,645.79 |
| Value of Stores received including transfers during the year 1987-88. | 7,89,12,020.14 | 3,47,78,595.06 | 11,36,90,615.20 |
| TOTAL : | 8,28,13,068.95 | 4,04,21,192.04 | 12,32,34,260.99 |
| <i>Less :</i> Value of Stores issued including transfers during the year 1987-88. | 7,99,37,297.36 | 2,88,19,410.23 | 10,87,56,707.59 |
| Closing Balance as on 31st March 1988. | 28,75,771.59 | 1,16,01,781.81 | 1,44,72,553.40 |
| Average annual inventory. | 3,12,647.00 | 68,68,158.08 | 71,80,805.08 |
| Ratio of Average Inventory level to monthly issue. | 0.160 | 1.673 | 1.833 |

CONTROLLER OF STORES.

ADMINISTRATIVE OFFICER (ENQUIRIES)

The Department of Administrative Officer (Enquiries) is a Central Agency for investigation into complaints of lapses of Municipal employees and conducting Departmental Enquiries against delinquent employees is the major function of the Department.

The Department is headed by the Administrative Officer (Enquiries) who was assisted by three Deputy Administrative Officers (Enquiries), eight Chief Inspectors (Enquiries), 40 Inspectors (Enquiries) and other administrative staff, during this year 1987-88.

The department carried out the following functions.

- (1) (a) Detection of mal-practices indulged in by municipal employees of all categories including officers, such as acceptance of illegal gratification, defalcation, misappropriation of municipal money or property, negligence and other misconduct.
- (b) Holding of departmental enquiries against the municipal employees.
- (c) Giving advice and instructions in the matter of investigation and departmental enquiries to other departments, whenever sought.
- (d) Verification of inventories prepared by Ward staff before shifting the slum dwellers from old places to new places.
- (2) During the year, the department conducted 610 investigations, paid 732 surprise visits to various municipal institutions and mustering places and disposed of 4514 cases of miscellaneous nature.

The details of investigations are as under :—

| | |
|--|-----|
| (a) Cases of alleged acceptance of illegal gratification and misappropriation of municipal money | 31 |
| (b) Cases of irregularities of major nature | 144 |
| (c) Cases of irregularities of minor nature | 435 |
| | 610 |

the details of action taken are as under :—

| | |
|--|-----|
| 1. Dismissal | 4 |
| 2. Removal | 15 |
| 3. Demotion | 7 |
| 4. Withholding of increments | 175 |
| 5. Fines imposed | 48 |
| 6. Censure, Caution and Warnings | 32 |
| 7. Suspension for 3 days | 3 |
| 8. Recovery on account of loss to the Corporation | 17 |
| 9. Exonerated of the charges as the charges are not proved | 4 |
| | 305 |

salient Features :

(1) Unauthorised construction of some 300 tenement at Valnai, Malad was investigated and prima facie case for gross negligence was established against Ward Officer, Asstt. Eng. (B & F), Sub-Eng. and two Jr. Eng. and Building Mukadam. In the departmental enquiry held against them, the Ward Officer and Mukadam were punished suitably and the Asstt. Eng. (B & F) and Jr. Eng. were dismissed and Sub-Eng. was removed from municipal service.

(2) Investigations in respect of misuse of 'N' and 'R' form facilities were carried out and as a result of which an octroi recovery of Rs. 4,19,552.62 and Rs. 65,882/- was effected.

(3) Surprise raids were arranged and carried out by intercepting the vehicles, after they had entered into Bombay City limits and/or passed through certain octroi check posts and evasion of octroi in those cases was detected. As a result of such raids an amount of Rs. 22,058/- towards the octroi duty was recovered at the instance of this department.

Sd/-
Administrative Officer
(Enquiries) /c

Information required on Administrative Report of 1987-88.

| | | |
|----|--|---------------|
| 1. | D. E. outstanding as on 1-4-1987. | 181 |
| 2. | Receipt during 1-4-1987 to 31-3-1988. | 203 |
| 3. | Disposal during 1-4-1987 to 31-3-1988. | 171 |
| 4. | Outstanding as on 1-4-1988. | 213 |
| 5. | Classification of outstanding | |
| | D. E. as on 1-4-1988. | |
| | Within One Year | Over One year |
| | 168 | 45 |

Sd/-
Administrative Officer
(Enquiries) I/c

MUMBAI MUNICIPAL SECURITY FORCE

SALIENT FEATURES :-

| | |
|---|--------------|
| I — Income & Expenditure : | |
| (i) Income | 10,800/- |
| (ii) Expenditure | 13,92,156.70 |
| (II) — Departmental Enquiries completed ——— — 228 | |

From the year 1984, Departmental Enquiries in respect of employees of other departments orders on the basis of P. Es. conducted by this department are transferred to Administrative Office (Enquiries). However, the Departmental Enquiry against the employees of Security Department are conducted by Dy. Security Officer of this department.

| | |
|---|-----------------|
| Preliminary Enquiries completed | 100 |
| III — Theft etc. cases reported | 228 |
| IV — Value of Municipal Property involved. | Rs. 3,41,395.02 |
| V — Cases detected | 49 |
| VI — Value of property recovered | Rs. 1,70,638.93 |
| VII — Formation of Security Cell for Water Supply & Sewerage Deptt. | |

Departmental Information :

There are 3832 men working on the Establishment of Security Force. A separate Security Force Wing guarding the installations of Water Supply & Sewerage Department has been formulated. However, both the Security Wings are under the overall control of the Security Officer.

The Administration of the department is now decentralised in three zones i.e., City, Eastern Subs., and Western Subs. headed by the Dy. Security Officers.

The main work of Security Force is protection of Municipal Property against theft, pilferages etc., as also to conduct Preliminary Enquiries into cases of theft, pilferages, misbehaviour, assaults etc.

The Security Assistant have completed 100 Preliminary Enquiries during the year in the cases of desertion of duty, sleeping while on duty, unauthorised absence from duty for long periods, theft, pilferages and assaults etc.

The classification of Preliminary Enquiries is as under :-

| Cases of desertion of duty, sleeping while on duty, unauthorised absence etc. | Theft & Pilferage cases. | Other cases such as assault, misbehaviour. | Total |
|---|--------------------------|--|-------|
| 86 | 2 | 12 | 100 |

The work of theft cases detected and the recovery of stolen property is tabulated below :-

| | Total No. of cases. | Property lost | Cases detected | Property recovered |
|----------|---------------------|---------------|----------------|--------------------|
| Hospital | 78 | 1,54,464.02 | 19 | 1,40,915.93 |
| Other | 150 | 1,86,931.00 | 30 | 29,723.00 |

The Security Force has also been engaged in special bandobast of Corporation Meeting at the Corporation Hall. The Officers of the Security Force are called on special duty round the clock of emergencies like strikes, bundh etc.

The Security Force participates in Flag Salutation Ceremony on the Republic Day and Independence Day every year when special staff is called for parade.

Recently this department has started a full-fledged training School at C. T. I. & R. C. at Borivali where the new recruits and regular security guards and Officers are imparted with full-fledged training in the line of paramilitary forces. At the same time the new scheme of recruitment of stipend basis has been introduced in this department and under this scheme 100 security guards had been recruited so far. In addition to that new task force has been constituted where 55 security guards are working for removal of encroachment.

The Mumbai Municipal Security Force has organised its own Band Unit. It gives its programme on Sundays in Public Parks and Gardens as required by the Supdt. of Garden. The Standing Committee has given sanction for Mumbai Municipal Security Unit to give Band programmes to the public on hire basis on prescribed rates.

There were 3832 Men working on the Establishment which includes Officers, Subordinates and Labour Staff. The Security Force recruited 280 candidates as security guards during the year.

(S. R. Dange)

Dy. Municipal Commissioner (Zone —I).

MUNICIPAL PRINTING PRESS

HIGHLIGHTS :

| | |
|--|----------------------|
| (1) Expenditure : | |
| (a) Establishment | Rs. : 1,10,30,547.00 |
| (b) Other items | Rs. : 87,17,662.00 |
| | |
| (2) Jobs : | |
| (a) Printing | 8334 + 27 8361 |
| (b) Stationery | 1786 — 1786 |
| | |
| (3) Printed pages for Corporation and their various Committees (Both Marathi & English) | 22698 |
| | |
| (4) Amount Charged : | |
| (a) To Departments : | Rs. : 2,08,54,676.00 |
| (b) To Private Parties : | Rs. : 2,09,594.00 |

During the year, the Press carried out 8361 Printing Jobs both Departments & Private in addition to supply of stationery jobs at a total cost of Rs. 2,08,54,676. Department undertook 27 private printing jobs and earned Rs. 2,09,594. There was a surplus of Rs. 6,31,328 against the last years working surplus of Rs. 6,33,807. In order to meet the requirements, department purchased 522½ Metric tons of various kinds of paper from the market and consumed total quantity of 544 Metric tons which included old stocks.

The comparative statement of jobs carried out and paper consumed during the year 1986-87 and 1987-88 is furnished as below :—

Statement—I (Jobs carried out)

| Description | 1986-87 | | 1987-88 | |
|---|---------|-----------|---------|-----------|
| | Jobs | Pages | Jobs | Pages |
| (1) Departmental (Printing) | 8502 | ... | 8334 | ... |
| (2) Departmental (Stationery) | 2129 | ... | 1786 | ... |
| (3) Pvt. Parties (Printing) | 21 | ... | 17 | ... |
| (4) Pvt. Parties (Stationery) | 3 | ... | ... | ... |
| (5) B.E.S.T. (Undertaking) | 10 | ... | 10 | ... |
| (6) Corporation & its Committees | ... | 17433 (E) | ... | 15358 (E) |
| | ... | 3916 (M) | ... | 5426 (M) |
| (7) Corporation (Record) | ... | 999 (E) | ... | 1113 (E) |
| | ... | 807 (M) | ... | 801 (M) |
| ('E' denotes English & 'M' denotes Marathi) | | | | |

Statement II (Paper consumed)

| Description | 1986-87 in M. T. | 1987-88 in M. T. |
|-------------------|---------------------|---------------------|
| (i) White | 303 | 379 |
| (ii) Nepa | 75 | 32½ |
| (iii) Other kinds | 101 | 132½ |
| Total : | 479 | 544 |

Certain jobs were carried out through Outside Agencies at a cost of Rs. 2,33,584 as against Rs. 1,97,280 in the previous year. In addition to regular work, the press carried out printing of (i) Marathi Budget and Establishment Schedule comprising of 7006 pages.

(ii) Budget 'G' both Marathi and English against heavy odds.

The Press is working in two shifts with total strength of the 436 Workers as on 29th February 1988, as against 444 Workers as on 28th February 1987. 27 Apprentices under Apprenticeship Act 1961 were engaged in this year as against 26 on 28th February 1987. The Labour relations were cordial and their grievances were redressed on the spot wherever practicable.

Workload Summary as per Performance Budget

| Sr. No. | Description of Activity | Unit of Measurement. | Budget Estimates 1987-88 | Actual 1987-88 |
|---------|---|----------------------|--------------------------|----------------|
| (1) | (2) | (3) | (4) | (5) |
| 1. | (A) Agenda of Meeting of Corporation & various Committees. | Pages | 35,000 | 15,358 |
| | (B) Agenda of meeting of Corporation & various Committees (Marathi) | Pages | 6,000 | 5,426 |
| 2. | Departmental Printing Works such as Forms & Registers, etc. | Jobs. | 10,000 | 8,334 |
| 3. | Supplying stationery items to various departments. | Jobs. | 2,000 | 1,786 |
| 4. | Record of proceedings of Corporation Committee. | Pages | 12,000 | 1,914 |
| 5. | Printing of Administration report. | Pages | 400 | ... |
| 6. | Budget Estimates and Establishment Schedule in English & Marathi | Pages | 6,000 | 7,006 |
| 7. | Supply of Stationery items & Printing, Private Parties Jobs. | Jobs. | 50 | 27 |

ADVANCES DEPARTMENTAL WORKS MUNICIPAL PRINTING PRESS. 1987-88.

Profit and Loss Account.

| | | | |
|---|-----------------------|-----------------------------|-----------------------|
| To opening Balance (Bills) | 7,71,168.26 | By recovery during the year | 2,08,44,944.86 |
| To opening stock | 84,10,882.69 | By Misc. Rev. | 1,77,947.05 |
| To Exp. A/c. | | By O/s bills. | 7,71,168.26 |
| I—Establishment | 1,10,30,547.31 | | |
| II—Contingencies | 6,47,059.68 | | |
| III—Rep. & Maint. | 7,69,973.93 | | |
| IV—Stores | 57,56,010.03 | By closing stock | 77,67,527.86 |
| V—Elect. Charges | 2,65,108.09 | | |
| VII—Works through outsiders | 2,33,584.24 | | |
| VIII—Debt charges | 9,51,280.99 | | |
| IX—Transport charges | 84,644.55 | | |
| | <u>1,97,48,208.82</u> | | |
| To Profit (Excess of income over expenditure) | 6,31,328.26 | | |
| | <u>2,95,61,588.03</u> | | <u>2,95,61,588.03</u> |

M. M. Kamat,
Manager,
Municipal Printing Press.

Sd/-
For Chief Accountant.

ROTA PRINTING UNIT

IMPORTANT FEATURES

The Rota Printing Unit carry out the work of printing and supplying copies of the Municipal Commissioner's and Municipal Chief Auditor's Administration Reports in Marathi, urgent items and accompaniments of the Agenda of the Corporation and its various Committees, and all the printing work of Tree Authority both in English and Marathi. It also undertakes the work of printing and supplying copies of Annual Examination Question papers of Primary and Secondary Schools of the Corporation in 11 different languages viz. Marathi, Hindi, Gujarathi, English, Urdu, Kannad, Tamil, Telugu, Sindhi, Devnagari, Sindhi, Arabic and Malyalam, and printing of other departmental jobs such as reports, defferent types of formats, circulars, H. C.'s Examination Question papers, Asstt. Supdt. (A. & C.)'s question papers and lower cadre examination question papers, hand-outs for the above Departmental Examinations, Greeting cards of M. C., Addl. M. Cs., D. M. Cs. and other officers, in various colours, Year Book, etc. —

The Planning Section of Municipal Printing Press is carrying out the work of preparing plates of various jobs, 70% printing of which is carried out by the Rota Printing Unit, in addition to the printing work of the department.

Expenditure :

| | |
|-----------------------|------------------|
| (a) Establishment | Rs. 9,93,533.19 |
| (b) Other Expenditure | Rs. 11,25,810.00 |

| | Pages | Cost |
|---|-------------------------|--------------|
| (a) Printing of Administration Report of M. C.'s & M. C. A.'s Deptts. in Marathi. | 520 | 48,322.72 |
| (b) Departmental jobs such as formats, circulars, reports etc. | Jobs. 1062 | 12,37,976.70 |
| (c) Urgent items & accompaniments and the Agenda of the Corporation and its various Committees. | Jobs. 1697 | 4,50,673.64 |
| (d) Annual Examination Question Papers of Primary & Secondary Schools of E.O.'s Department. | 95,78,220 impression | 18,21,614.90 |

In the Reporting year, there were 57 employees on the Establishment of the Rota Printing Unit.

The various jobs-works received in the Rota Printing Unit are of the urgent and time limit nature and the same are executed systematically.

The printing work of Annual Examination Question papers of E. O.'s department is of confidential nature and the same is executed very punctually and according to the specific time-schedule.

Sd/-

Superintendent,
Rota Printing Unit.

ADMINISTRATION REPORT FOR THE YEAR 1987-88.

Chief Accountant's Department

(1) The main functions in the Chief Accountant's Department can be broadly classified as under :-

- (1) Financial Management functions:
- (2) Internal Audit Functions:
- (3) Maintenance of Statutory Accounts:
- (4) Maintenance of Accounts of Special Funds :
- (5) Treasury functions:
- (6) Vigilance and allied activities

2. There are two statutory officers viz. the Chief Accountant and the Joint Chief Accountant. The following persons were holding the posts of C.A. and Jt. C.A. during the year 1987-88.

| Serial No. | Designation | Name of the Officer | Qualifications | Period | Remarks |
|------------|---------------------------|--------------------------|------------------|---|--|
| 1 | Chief Accountant. | Shri V. W. Joshi. | M.Com. L.G.S. | 1-4-1987 to- 31-12-1987. The post of C.A. is vacant from 1-1- 1988 onwards & functions of the post of C.A. have been discharged by Shri S. M.- Chandekar, Jt. Chief Accountant. | Earned Leave for 30 days from 21-9-1987 to 20-10-1987 and during this period Shri S. M. Chande- kar Jt. C.A. attended the work of C.A. |
| 2 | Jt. Chief- Accountant. | Shri S. M. Chandekar. | B.Com. | From 1-8-1987. | |

3. The Chief Accountant is the principal Finance Officer and the Advisor to the Commissioner in the financial matters of the Corporation. The Jt. Chief Accountant is the principal Treasury Officer of the Corporation and keep such Municipal Account and perform such duties with regard to the Municipal Accounts or shall be required by him, by the Corporation, the Standing Committee or Commissioner.

4. The Chief Accountant's Department is situated at Head Office in the old and New Building and there are two Zonal Offices viz. Dy. C. A. (W.S.) & Dy. C.A. (E.S.) at Bandra and Chembur respectively. There is also a separate branch at Head Office for Budget 'E', under the control of Dy. Chief Accountant, (Education Fund). Besides, there are ward Account Units in almost all the Wards in City and Suburbs including the major Hospitals like K.E.M., Nair, Sion Hospital, Cooper Hospital etc. for expediting the financial matters and for the convenience of the Municipal employees as well as the public.

5. In addition to the normal functions of this department the following noteworthy activities/schemes have been carried out during the year 1987-88.

(a) To expedite the finalisation and payment of claims of provident Fund, pension and Gratuity, a separate Cell has been set up to bring about reduction in the number of outstanding cases, of provident Fund and Pension, Gratuity claims.

(b) The scheme of disbursement of Pension through certain Nationalised Banks has proved very useful and at the present, nearly 14206 (March 1988) pensioners are taking advantage of the scheme. The scheme is made compulsory with effect from 1-4-1983. It is observed that there is addition of about 250 new pensioners every month to receive payment of their pension through Banks. There are 4562 pensioners drawing their monthly pension at C.A.'s counters under computerised scheme in March 1988.

(c) Scheme of 'Payment through Bank' to the superior staff working under Budget 'A', 'B' & 'G' has been introduced from April 1987. Under the said scheme the net payable amount towards the monthly salary is directly credited to the employee's Saving Bank Account in the branch of his choice. At present, the scheme is made applicable only for superior staff numbering about 27,000 employees. At present there are 20 Nationalised Banks and one Co-op. Bank with 746 branches are participating in the above scheme. The area of the above scheme is restricted to Greater Bombay and outside upto Badlapur and Virar only. This scheme is proposed to be extended to teaching, non-teaching staff of Education department, numbering about 23,000 employees in the year 1988-89. It is also proposed to extend the scheme to security Department, Labour staff and Transport Labour staff in stages. On watching the progress, it will be further extended to labour staff in general.

The pay scales of the Municipal employees were recently revised from 1-7-1985. So far, the pay fixation statements were prepared and the arrears were worked out manually which involved lot of man hours and which also resulted in delay in making the payment to the concerned staff. The work of preparation of the Fixation statements was therefore, taken up on the computer for the first time.

(d) For financing capital works pertaining to Budget 'A', 'E' & 'G' Loans of Rs. 36.04 crores were raised from the Public (Open Market) during the year 1987-88. In response to the Loan/Notification published in Government Gazette, Local News Papers, Subscription to the tune of Rs. 778.09 Crores were received on the very day of floating the loans i.e. on 28-12-1987 from the public, out of which excess subscription of Rs. 742.05 Crores were immediately refunded to the public and the investment of the Loan proceeds were made on the very day, thus the Corporation has been benefited of the interest of Rs. 87,330.61 per day and that too without paying any brokerage and underwriting commission to the extent of Rs. 18.02 lakhs. The repayments of previous loans Rs. 19.80 Crores were made during the year 1987-88 on 12-12-1987. Due to the strenuous efforts made by the staff of this department in making repayment of Rs. 2.20 Crores directly, the Bank Commission amounting to Rs. 27,500/- was saved.

The Computerisation of Stores.

The new cell which has been set up during the year 1985-86, has carried out parallel run on Computer of Engineering Stores so as to get reports as desired data through Computer outputs. It was decided to take over the main stores on Computer and hence the Preliminary work such as instructing the staff of stores regarding correctly feeding the input etc. was done so as to have live run from 1-4-1988. During the year 1987-88 some discrepancies in purchase of Stores at different wards at different rates were pointed out. Besides revised manual has been prepared for further guidance of staff.

Revision of Grade

During the year 1987-88, the following agreements were reached with the Unions.

(1) General Revision of grades D.A., H.R.A., L.T.A., Medical Aid of the Municipal employees.

(2) An Award of Industrial Tribunal Shri K. N. Desai, Reference (I.T.) No. 44 of 1981 in respect of demands of the employees employed in Fire Brigade Department.

FINANCE
(Budgets A, B & E)

Report from the Chief Accountant on the accounts of the General Municipal Administration, the Improvement schemes and the Education Fund for the year 1987-88.

GENERAL MUNICIPAL ADMINISTRATION
(Budget 'A')

The following statement summarises the transactions for the year pertaining to Revenue Budget and the Actuals for the year preceding year.

| Revenue A/C. (Budget 'A') | 1987-88 | | 1986-87 | |
|--|-------------------------|--------------------------|----------------|----------------|
| | Budget Estimates Rs. | Revised Estimates Rs. | Actuals Rs. | Actuals Rs. |
| Opening Balance. | 33,59,28,300 | 14,81,99,064 | 14,81,99,064 | 20,35,50,837 |
| Income | 4,23,54,28,150 | 4,07,25,41,680 | 3,74,00,27,573 | 3,28,25,39,714 |
| Expenditure | 4,54,01,03,170 | 3,82,03,39,010 | 3,70,10,26,601 | 3,04,64,90,381 |
| Surplus (+) or Deficit (-) during the year | -30,46,75,020 | + 25,22,02,670 | + 3,90,00,972 | + 23,60,49,333 |
| Balance | +3,12,53,280 | + 40,04,01,734 | + 18,72,00,036 | + 43,96,00,170 |
| Increase(-) Decrease (+) in Reservation for Advances etc. | | | + 3,83,93,150 | - 29,14,01,106 |
| Closing Balance | 3,12,53,280 | 40,04,01,734 | + 22,55,93,186 | 14,81,99,064 |

2. The details of Reservation of Advances etc.

| | | | |
|-----------|----------------------------|-------------|--------------|
| Decrease+ | In Miscellaneous Advances. | | 12,26,65,697 |
| Increase- | In Renewed Grant | 8,42,00,000 | |
| | In Reserve Stores | 72,547 | 8,42,72,547 |
| | Net Decrease (+) | | 3,83,93,150 |

Comparative Statement showing the actual position of Surplus Cash Balance as on 31st March 1988 and that as shown in the Revised Estimates for 1987-88 in Corporation Budget.

(Rs. in lakhs)-

| Revenue Account Budget 'A' | As adopted by the Corporation (R.E.) | Actuals | Variation Com- pared with Revis- ed Estimates to the Corporation. |
|--|--|------------|--|
| | Rs. | Rs. | Rs. |
| Opening Balance | 1,48,199 | 1,48,199 | |
| Income- | 40,72,542 | 37,40,028 | 3,32,514 (Decrease) |
| Expenditure | 38,20,339 | 37,01,027 | 1,19,312 (Decrease) |
| Deficit(-) Surplus(+) for the year | + 2,52,203 | + 39,001 | + 2,13,202 |
| Deficit/Surplus | + 4,00,402 | + 1,87,200 | + 2,13,202 |
| Deduct/Add Increase(-) Decrease(+) in Reservation for Advances etc. | | + 38,393 | + 38,393 |
| Net Deficit/Surplus (-)(+) | + 4,00,402 | + 2,25,593 | - 1,74,809 |

3 The net unhyothecated Surplus Cash Balance on 31st March 1988 was as under :

| | Liabilities | | Assets |
|-------------------------|--------------|------------------------------------|--------------|
| | Rs. | | Rs. |
| Reserve Stores Account | 73,38,105 | Surplus Fund as per Appendix No. 2 | 66,26,66,074 |
| Miscellaneous Advances | 42,97,34,783 | | |
| Minimum required by Law | 1,00,000 | | |
| Surplus Cash Balance | 22,54,93,186 | | |
| | 66,26,66,074 | | 66,26,66,074 |

RESERVE STORES AND CAPITAL STORES

4. Position of Reserve Stores and Capital Stores was as under :

| Name of the Account | Opening Balances as on 1-4-1987 | Receipts during the year | Total | Issues during the year | Closing Balance as on 31-3-1988 |
|--|---------------------------------|--------------------------|--------------|------------------------|---------------------------------|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| (1) Advances Reserve Stores | 99,52,514 | 3,07,45,029 | 4,06,97,543 | 3,18,48,656 | 88,48,887* |
| (2) Advances Reserve Stores Foras Road-Depot | 6,93,379 | 13,73,357 | 20,66,736 | 13,55,425 | 7,11,311* |
| (3) Advances Capital Stores | 2,77,22,694 | 8,14,61,519 | 10,91,84,213 | 8,21,51,884 | 2,70,32,329 |
| (4) Advances Capital Stores Foras Road Depot | 4,79,033 | 1,54,097 | 6,33,130 | 3,31,015 | 3,02,115 |
| Total | 3,88,47,620 | 11,37,34,002 | 15,25,81,622 | 11,56,86,980 | 3,68,94,642 |

* The difference of Rs. 32,35,851 and Rs. 10,13,758 as per the books of C. S. and E. E. Mech. (South) respectively have been shown under respective unadjusted Reserve Stores account.

5. The Loan Liabilities at the beginning and at the end of the year were as under :

| Budget 'A' | Outstanding Debt as on 1st April, 1987 | Loan raised during the year | Repayment during the year | Loan outstanding as on 31st March 1988 |
|--------------|--|-----------------------------|---------------------------|--|
| | Rs. | Rs. | Rs. | Rs. |
| Division-I | 1,70,23,27,992 | 19,57,67,700 | 4,95,78,955 | 1,84,85,16,737 |
| Division-II | 1,58,02,58,280 | 18,70,00,000 | 11,00,00,000 | 1,65,72,58,280 |
| Division-III | 44,00,00,000 | 15,00,00,000 | .. | 59,00,00,000 |
| Total | 3,72,25,86,272 | 53,27,67,700 | 15,95,78,955 | 4,09,57,75,017 |

The break-up of the Loans raised during the year were as under :-

| | Rs. | Rs. | |
|------------------------------------|--------------|------------------------------|---|
| (1) Division-I | 13,54,00,000 | 32,24,00,000 | Being the Loan issued at par with the currency of 15 years at 11 per cent interest per annum and Sinking Fund improving at 8 percent basis per annum raised by public subscription (out of Rs. 3604 lakhs Loan) sanctioned under G. R. No. LLB/1226/439/CR-136/86/UD-26 dated 8th December 1987 in response to Corporation's Loan application for Rs. 8,100 lakhs underlying C. R. No. 776 of 12th October 1987. |
| Division-II | 18,70,00,000 | | |
| (2) Division-I | 3,00,00,000 | | Being the Loan amount toward Rs. 1800 lakhs issued at par with a currency of 25 years at 11 percent interest per annum and Sinking Fund improving at 8 percent basis per annum raised by Internal Fund out of Rs. 2,000 lakhs Loan sanctioned under G. R. No. LLB/1086/439/CR/136-86/Part-II/UD-26 dated 29th February 1988. |
| Division-III | 15,00,00,000 | 18,00,00,000 | |
| (3) Division-I (B. U. D. P.-I.) | | 3,03,67,700 | Being the Loan of Rs. 2,50,00,000 out of Rs. 51.97 Crores received from Government of Maharashtra for Affordable Low Income Shelter Programme B. U. D. P.-I under Budgets A, B & G and Rs. 52,84,900 interest at the rate of 8.5 per cent per annum for the year 1987-88 being capitalised vide G. R. No. WBP/1083/1192(71) D-X dated 12th April, 1984 and under subsidiary Loan agreement vide C. R. No. 90 of 25-7-85 and the down payment of Rs. 82,800 under S. U. P. Scheme. |
| | | <u>Total .. 53,27,67,700</u> | |

The repayments of the Loans during the year were as under :-

| | Rs. | |
|----------------|----------------|---|
| Division-I (1) | 50,72,289.00 | Repayment of 9.2 per cent I. B. R. D. (World Bank) Loan through B. M. R. D. A. for Traffic Operations. |
| (2) | 5,06,666.00 | Repayment of Loan received from General Insurance Corporation of India through Govt. of Maharashtra for purchase of Capital Fire Fighting Equipments. |
| (3) | 4,40,00,000.00 | Repayment of 6½ percent Rs. 225 lakhs B. M. C. Loan 1976-77. |
| (4) | Nil. | Repayment of 4½ percent Rs. 150 lakhs B. M. C. Loan 1962-63 pertaining to Budget 'G'. |
| | | <u>4,95,78,955.00</u> |

Repaid to Debenture Holders out of Sinking Fund Investment :-

| Division-II & III | Rs. | |
|-------------------|-------------|---|
| (1) | 6,60,00,000 | 6½ percent Rs. 600 lakhs Public Loan 1977-78. |
| (2) | 4,40,00,000 | 6½ percent Rs. 400 lakhs Public Loan 1977-78. |
| | | <u>Total .. 11,00,00,000</u> |
| | | <u>Grand Total .. 15,95,78,955</u> |

SINKING FUND

5A. The position of the Sinking Fund is as shown below :-

| Budget 'A' | Amount of fund on 1st April 1987 | Interest etc. realised | Sinking Fund instalments | Withdrawn for repayment of Loans | Excess accumulation Tr. to Municipal General Fund. | Amount of Fund on 31st March 1988 |
|--------------|----------------------------------|------------------------|--------------------------|----------------------------------|--|-----------------------------------|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Division-I | 39,64,84,070 | 2,82,56,803 | 5,54,45,006 | 5,90,00,000 | ... | 42,11,85,879 |
| Division-II | 36,23,49,336 | 2,39,33,991 | 7,23,60,885 | 11,00,00,000 | ... | 34,88,44,212 |
| Division-III | 68,45,551 | 6,79,399 | 69,56,629 | Nil. | ... | 1,44,81,579 |
| Total | 76,56,78,957 | 5,28,70,193 | 13,49,62,520 | 16,90,00,000 | ... | † 78,45,11,670 |

| Budget 'A' | Book Value for Securities and Cash as on 31-3-1988 | Market Value of Securities interest accrued upto 31-3-88 and cash as on 31-3-1988 | Amount of Sinking Fund which should have accumulated upto 31-3-88 | Excess or less in Sinking Fund as on 31-3-1988 |
|--------------|--|---|---|--|
| | Rs. | Rs. | Rs. | Rs. |
| Division-I | 42,11,85,879 | 42,36,69,423 | 41,98,54,898 | + 38,14,525 |
| Division-II | 34,88,44,212 | 35,16,20,240 | 36,90,65,337 | - 1,74,45,097 |
| Division-III | 1,44,81,579 | 1,44,85,799 | 1,42,69,285 | + 2,16,514 |
| Total | 78,45,11,670 | 78,97,75,462 | 80,31,89,520 | - 1,34,14,058 |

† Out of this Rs. 22,53,89,317 pertaining to Division I Rs. 18,61,73,417 Division-II Rs. 2,01,98,566 Division III and Rs. 1,90,17,334 respectively related to Budget 'G'.

REVENUE INCOME

6. The estimated Income for the year was Rs. 4,23,54,28,150 and Revised Estimates was Rs. 4,07,25,41,680. The actuals amounted to Rs. 3,74,00,27,573 resulted in decrease of Rs. 49,54,00,577 on the Budget Estimates and of Rs. 33,25,44,107 on the Revised Estimates.

OCTROI.

6A. The gross collections for the year were estimated at Rs. 2,82,75,00,000 the refunds and Commission charges at Rs.15,36,00,000 and the net revenue at Rs.2,67,39,00,000. The revenue collected and paid in to the Municipal Treasury in the year amounted to Rs. 2,69,66,84,387 and after deducting the amount of Rs. 16,59,63,499 (on account of refunds Rs. 12,72,82,469 and on account of Commission for collection Rs. 3,86,81,040 credited to the separate Revenue Head the net receipts amounted to Rs. 2,53,07,20,888 showing an increase of Rs. 42,16,61,144 as compared with the actuals of the previous year (i. e. Rs. 2,10,90,59,744).

REVENUE EXPENDITURE.

7. The final sanctioned grants amounted in the aggregate to Rs. 5,24,75,38,866.

| | Rs. |
|---|----------------|
| Budget Grants | 4,54,01,03,170 |
| Unexpended Grants for previous years renewed for expenditure .. | 39,58,00,000 |
| Additional grants | 31,16,35,696 |
| Final sanctioned grants .. | 5,24,75,38,866 |

The transfers from one Budget Head to another without affecting the total Budget provisions for the year amounted to Rs. 2,36,30,970.

8. Against the final sanctioned grants for the year aggregating to Rs. 5,24,75,38,866 as stated above the actuals amounted to Rs. 3,70,10,26,601 leaving an unexpended balance of Rs. 1,54,65,12,265 at the close of the year. Out of this balance the amount of Rs. 48,00,00,000 is being renewed for expenditure during 1988-89 as against Rs. 39,58,00,000 1987-88 and the remaining balance of Rs. 1,06,65,12,265 is being allowed to lapse.

9. The percentage of establishment expenditure to the total expenditure for the year 1987-88 and the previous year is as given below :—

| Budget 'A' | Establishment Cost | Percentage of Establishment cost to total expenditure during | |
|----------------------|--------------------|--|------------|
| | | 1987-88 | 1986-87 |
| | Rs. | Percentage | Percentage |
| Division-I | 99,32,67,172 | 42.82 | 49.98 |
| Division-II | 34,79,76,879 | 42.06 | 43.05 |
| Division-III | 23,25,24,654 | 41.97 | 47.27 |
| Total | 1,57,37,68,705 | 42.52 | 51.66 |

LOAN FUND AND LOAN WORKS EXPENDITURE.

10. The position of loan fund was as shown below :—

| Budget 'A' | O.B. as on 1-4-87 | Net Loans raised during 1987-88 | Reimbursement of Loan from B.M.R.D.A. | Repayment of advance granted for purchase of P & M | Central Govt. Assistance for flood damage |
|------------------|----------------------|---------------------------------------|---|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Division I ... | 12,04,29,196 | 19,57,67,700 | ... | 2,48,68,940 | ... |
| Division II ... | 2,93,29,438* | 18,70,00,000 | ... | 39,06,843 | ... |
| Division III ... | -1,72,94,337 | 15,00,00,000 | ... | 8,42,526 | ... |
| Total ... | 13,24,64,297 | 53,27,67,700** | ... | 2,96,18,309 | ... |

| Grant-in-aid from Govt. | Total Loan Fund available | Total Expenditure incurred | Advance for Finan- cing Capital Stores | C.B. as on 31-3-1988 |
|----------------------------|---------------------------------|-------------------------------|---|-------------------------|
| 6 | 7 | 8 | 9 | 10 |
| ... | 34,10,65,836 | 19,81,96,233 | Cr. 4,84,091 | 14,33,53,694 |
| ... | 22,02,36,281 | 5,12,77,192 | ... | 16,89,59,089 |
| ... | 13,35,48,189 | 7,00,33,601 | ... | 6,35,14,588 |
| ... | 69,48,50,306 | 31,95,07,026 | Cr. 4,84,091 | 37,58,27,371 |

The following statement compares the expenditure on Capital Works with the Budget and Revised Estimates during the last three years.

| Year | LOAN FUNDS | | | Percentage of Actuals to Budget Estimates | Percentage of Actuals to Revised Estimates |
|-----------------|---------------------|----------------------|--------------|--|---|
| | Budget Estimates | Revised Estimates | Actuals | | |
| 1985-86 | Rs. | Rs. | Rs. | | |
| Division-I .. | 40,64,51,200 | 45,90,51,000 | 21,12,41,616 | 52 | 46 |
| Division-II .. | 29,59,92,900 | 23,68,75,700 | 11,00,32,041 | 37 | 41 |
| Division-III .. | 17,33,88,000 | 21,32,34,500 | 8,35,88,659 | 48 | 39 |
| Total .. | 87,58,32,100 | 93,81,61,200 | 40,48,62,316 | 46 | 43 |
| 1986-87 | | | | | |
| Division-I .. | 88,48,70,500 | 58,38,23,700 | 28,84,37,801 | 33 | 49 |
| Division-II .. | 27,29,96,000 | 29,46,28,100 | 16,81,08,656 | 62 | 57 |
| Division-III .. | 21,08,43,000 | 22,52,72,600 | 10,37,16,527 | 49 | 46 |
| Total | 1,36,87,09,500 | 1,10,29,24,400 | 56,02,62,984 | 40 | 51 |
| 1987-88 | | | | | |
| Division-I .. | 69,66,91,000 | 38,24,68,900 | 19,81,96,233 | 28 | 52 |
| Division-II .. | 28,73,23,700 | 19,01,62,400 | 5,12,77,192 | 18 | 27 |
| Division-III .. | 24,62,63,200 | 18,49,54,300 | 7,00,33,601 | 28 | 38 |
| Total | 1,23,02,77,900 | 75,75,85,600 | 31,95,07,026 | 26 | 42 |

** (1) Rs. 2,50,00,000 from Government of Maharashtra for Affordable Low Income Shelter Programme B. U. D. P.-I under Budget A, B & G Rs. 52,84,900 interest capitalised at the rate of 8.5 percentage per annum and down payment of Rs. 82,800 under S. U. P. Scheme.

(2) Rs. 18,00,00,000 Internal Loans.

(3) Rs. 32,24,00,000 Public Loans (through Open Market).

The percentage of actual expenditure to Funds available works out to 81.

* Expenditure worth Rs. 3292 was incurred from Loan Fund during the year 1986-87 which should have been incurred from Trust Fund.

TRUST FUND AND EXPENDITURE.

Under Trust Fund.

10A. The position of Trust Fund was as shown below :—

| | O.B. as on 1-4-1987 | Receipts during 1987-88 | Total funds available | Expenditure during 1987-88 | C B. as on 31-3-1988 |
|-----------------|------------------------|-------------------------------|-----------------------------|----------------------------------|-------------------------|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Division-I .. | 8,66,661 | 34,22,000 | 42,88,661 | 9,62,194 | 33,26,467 |
| Division-II .. | 97,808 | 10,74,707 | 11,72,515 | 6,54,225 | 5,18,290 |
| Division-III.. | | | | | |
| Total .. | 9,64,469 | 44,96,707 | 54,61,176 | 16,16,419 | 38,44,757 |

INVESTMENT

11. The position of Investment was as under :—

| | Investment in Fixed Deposit | Investment in Current A/c. Deposit | Aggregate Investment | Interest on Fixed Deposits | Interest on Current A/c. Deposit | Total Interest realised |
|--------------------------|-----------------------------------|--|-------------------------|----------------------------------|--|-------------------------------|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Division I ... | 3,95,28,84,100 | 40,09,41,58,079 | 44,04,70,42,179 | 13,39,95,613 | 5,49,235 | 13,45,44,848 |
| Division-II (W. S.) ... | ... | ... | ... | ... | ... | ... |
| Division III (B. S.) ... | ... | 23,37,50,722 | 23,37,50,722 | ... | 11,034 | 11,034 |
| Total ... | 3,95,28,84,100 | 40,32,79,08,801 | 44,28,07,92,901 | 13,39,95,613 | 5,60,269 | 13,45,55,882 |

STREET IMPROVEMENT.

12. The Expenditure incurred on acquisition of set backs was as under :—

| | Provision in the Revised Loan Works Budget Estimates for 1987-88 for acqui- sition of set backs | Expenditure during 1987-88 | Balance out of provision | Amount of undischarged Commitment upto 31-3-88 |
|-----------------|--|----------------------------------|-----------------------------|---|
| | Rs. | Rs. | Rs. | Rs. |
| Division-I .. | 33,65,000 | 20,91,532 | 12,73,468 | 98,67,311 |
| Division-II .. | 42,50,000 | 7,09,739 | 35,40,261 | .. |
| Division-III .. | 1,41,00,000 | 84,25,247 | 56,74,753 | .. |
| Total .. | 2,17,15,000 | 1,12,26,518 | 1,04,88,482 | 98,67,311 |

HOUSING LOAN.

13. The position of Housing Loans to the Co-operative Housing Societies of the Municipal employees was as under :—

| Loan Balance as on 1-4-1987 | Amount of Loans granted during the year. | Repayments of Loans during 1987-88 | Loans Balance as on 31-3-88. |
|--------------------------------|--|--|---------------------------------|
| Rs. | Rs. | Rs. | Rs. |
| 19,80,52,306 | 1,83,59,980 | 1,60,95,991 | 20,13,16,295 |

BOMBAY URBAN DEVELOPMENT PROJECT-I.

13A. The Corporation vide resolution No. 592 dated the 3rd October, 1983 approved Municipal Commissioner's proposal to carry out the works of providing off-site infrastructural facilities to the sites and services projects, undertaken by the Government of Maharashtra through Maharashtra Housing and Area Development Authorities. Accordingly the Corporation entered into the Subsidiary Loan Agreement for the above project known as B. U. D. P.-I with the Government of Maharashtra on 26th July 1985 vide C. R. No. 90 of 25th July 1985. The project will be partly financed by the World Bank and will be implemented for urban poor class. As per the conditions of above agreement the Corporation has to carry out various works pertaining to Budgets 'A', 'B' and 'G' and also to maintain separate Account at one Central place.

The Loan receipt of Rs. 5,22,00,000 and capitalised interest of Rs. 53,95,159 thereon at the rate of 8.5% per annum amounted to Rs. 5,75,95,159 upto 31st March 1987. During the year under report further instalment of Rs. 2,50,00,000 was released by the Government of Maharashtra. The interest capitalised upto 31st March 1988 on total Loan receipt of Rs. 8,25,95,159 amounted to Rs. 52,84,900. An amount of Rs. 82,800 received from Slum dwellers was credited to Loan Fund being 10% share to wards environmental Improvement Loan under Slum upgradation programme. Thus the total Loan receipt amounted to Rs. 8,79,62,859 upto 31st March 1988 (Loan receipt of Rs. 7,72,00,000 plus interest capitalised Rs. 1,06,08,059 plus Rs. 82,800 toward down payment :-

The expenditure of Rs. 6,07,63,741 inclusive of 12.5% and 8.5% supervision charges respectively on civil works and purchase of equipments was incurred which was debited to the proper head of account viz. XVI.—Works under B. U. D. P.-I. Thus the total Expenditure amounted to Rs. 6,07,63,744 leaving balance of Rs. 2,71,99,115 at the close of financial year out of total Loan receipt. The above expenditure will be finally debited to respective Budget Estimates viz. A, B & G.

BUDGET 'B'

General Account.

14. The position of General Account during the year 1987-88 was as under :—

| | Income | Expenditure | Surplus | Deficit |
|---------------------------|---------------------|---------------------|-----------|--------------------|
| | Rs. | Rs. | Rs. | Rs. |
| Improvement Schemes .. | 6,62,32,910 | 10,94,67,753 | .. | 4,32,34,843 |
| Slum Clearance (City) .. | 42,14,633 | 76,23,731 | .. | 34,09,098 |
| Slum Clearance (Subs.) .. | 11,60,570 | 63,36,199 | .. | 51,75,629 |
| Slum Improvement .. | *9,62,24,808 | 9,62,24,808 | .. | ..** |
| Total .. | 16,78,32,921 | 21,96,52,491 | .. | 5,18,19,570 |

CAPITAL ACCOUNT.

15. The position of Capital Account was as under :—

| Particulars | Opening Balance as on 1-4-1987 | Receipt on A/c. of Sale proceeds of lands of Buildings | New Loan raised during the year | Total Funds available | Expenditure during the year | Deficit of General A/c. Transferred to Cap. A/c. | Closing Balance as on 31-3-1988 |
|--------------------------|--------------------------------|--|---------------------------------|--------------------------------|-----------------------------|--|---------------------------------|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Improvement Schemes | —16,94,84,667 (Deficit) | 12,05,062 | ... | —16,82,79,605 | 59,26,763 | 4,32,34,843 | —21,74,41,211 (Deficit) |
| Slum Clearance (City) | —4,41,64,163 (Deficit) | ... | ... | —4,41,64,163 | 19,42,328 | 34,09,098 | —4,95,15,589 (Deficit) |
| Slum Clearance (Suburbs) | —3,95,38,968 (Deficit) | 1,47,597 | ... | —3,93,91,371 | 18,525 | 51,75,629 | —4,45,85,525 (Deficit) |
| Slum Improvement | —13,97,94,437** (Deficit) | 3,82,00,396 | ... | —10,15,94,041 | 5,77,61,149 | ... | —15,93,55,190 (Deficit) |
| Total ... | —39,29,82,235 (Deficit) | 3,95,53,055 | ... | —35,34,29,180 (Deficit) | 6,56,48,765 | 5,18,19,570 | —47,08,97,51 (Deficit)* |

* Rs. 3,48,05,059 Contributor from Budget 'A' & Rs. 6,14,19,749 income from interest on loans.

** Deficit of Rs. 3,48,05,055 had been met from contribution from Budget 'A'.

*** Rs. 2,53,23,046 Reimbursement of Capital Expenditure from Bombay Housing and Area Development Board and Rs. 1,26,77,350 Receipt from Collector of Bombay and Bombay Suburban District and Government of Maharashtra.

* The Deficit was met by taking an advance from Surplus monies of Budget 'A' Division-I.

16. The Loan Liabilities at the beginning and at the end of the year were as under:—

| Budget 'B' | Outstanding Loan as on 1st April 1987 | Loan raised during the year | Repayment of Loan during the year | Loan out- standing as on 31st March 1988 |
|---------------------------|--|-----------------------------------|--|---|
| | Rs. | Rs. | Rs. | Rs. |
| Improvement Schemes .. | 9,50,00,000 | .. | 1,00,00,000 | 8,50,00,000 |
| Slum Clearance (City) .. | 4,81,47,667 | .. | 2,68,080 | 4,78,79,587 |
| Slum Clearance (Subs.) .. | 5,20,38,830 | .. | 51,52,348 | 4,68,86,482 |
| Slum Improvement .. | 2,00,00,000 | .. | .. | 2,00,00,000 |
| Total .. | 21,51,86,497 | .. | 1,54,20,428 | 19,97,66,069 |

SINKING FUND

17. The position of Sinking Fund was as under :—

| | Amount of Sinking Fund as on 1-4-1987 | Interest Realised during the year | Sinking fund Instal-ments | Withdrawn for repay- ment of Loans | Amount of Sinking Fund as on 31-3-1988 |
|----------------------------|--|--|------------------------------|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Improvement Schemes ... | 6,22,52,111 | 40,62,185 | 19,59,086 | 1,00,00,000 | 5,82,73,382 |
| Slum Clearance (City) ... | 1,96,52,030 | 13,62,470 | 8,35,293 | ... | 2,18,49,793 |
| Slum Clearance (Subs.) ... | 2,37,98,389 | 16,31,146 | 9,85,606 | 50,00,000 | 2,14,15,141 |
| Slum Improvement ... | 48,99,550 | 3,34,929 | 3,64,534 | ... | 55,99,013 |
| Total ... | 11,06,02,080 | 73,90,730 | 41,44,519 | 1,50,00,000 | 10,71,37,329 |

| | Book Value of Securities cash as on 31-3-1988 | Market Value of Securities Interest which accrued upto 31-3-1988 | Amount of Sinking Fund should have accumulated upto 31-3-1988 | Excess in Sinking Fund as on 31-3-1988. |
|----------------------------|--|--|---|---|
| | Rs. | Rs. | Rs. | Rs. |
| Improvement Schemes ... | 5,82,73,382 | 5,86,85,739 | 3,85,05,857 | 2,01,79,882 |
| Slum Clearance (City) ... | 2,18,49,793 | 2,19,88,620 | 1,79,76,228 | 40,12,392 |
| Slum Clearance (Subs.) ... | 2,14,15,141 | 2,14,97,913 | 1,81,89,735 | 33,08,178 |
| Slum Improvement ... | 55,99,013 | 56,00,114 | 54,58,587 | 1,41,527 |
| Total ... | 10,71,37,329 | 10,77,72,386 | 8,01,30,407 | 2,76,41,979 |

D. P. GOKHALE
Jt. Chief Accountant

S. M. CHANDEKAR
Chief Accountant

EDUCATION FUND

25 (i) The following Statement summarises the transactions for the year pertaining to Revenue Budget.

| | 1987-88 | | | Actuals for 1986-87 |
|---|-------------------|-------------------|-------------------|---------------------|
| | Budget Estimates | Revised Estimates | Actuals | |
| | Rs. | Rs. | Rs. | Rs. |
| Opening Balance .. | 28,012 | 20,651 | 20,651 | 20,802 |
| Income .. | 86,46,82,650 | 71,74,50,770 | 71,56,76,483 | 66,05,59,625 |
| Expenditure .. | 86,46,86,540 | 71,74,16,230 | 69,49,71,876 | 64,62,32,581 |
| Surplus or Deficit during the year (+) (—) | —3,890 | +34,540 | +2,07,04,607 | +1,43,27,044 |
| Balance .. | +24,122 | +55,191 | +2,07,25,258 | —1,43,47,846 |
| Add : Decrease or Increase in Reservations as shown in (ii) below | .. | .. | —2,07,05,172 | —1,43,27,195 |
| Closing Balance .. | +24,122 (Surplus) | +55,191 (Surplus) | +20,036 (Surplus) | +20,651 (Surplus) |

(ii) The Details of Reservations of Advances etc. are as under :—

| Increase/Decrease (+) (—) | 1987-88 | 1986-87 |
|-------------------------------------|--------------|--------------|
| | Rs. | Rs. |
| In Miscellaneous Advances .. | —17,21,628 | +32,57,195 |
| In Renewed Grants .. | +2,24,26,800 | +1,10,70,000 |
| Net Increase or Decrease (+) (—) | +2,07,05,172 | +1,43,27,195 |

(iii) The net unencumbered Surplus Cash Balance on 31st March 1988 was as under :—

| Liability | | Assets. | |
|----------------------------|-------------|------------------------------|-------------|
| Miscellaneous Advance .. | 1,08,63,147 | Surplus Revenue .. | 1,08,83,233 |
| Minimum required by Law .. | 20,000 | Fund as per Appendix No. 59. | |
| Surplus Cash Balance .. | 86 | | |
| Total .. | 1,08,83,233 | Total .. | 1,08,83,233 |

(iv) The Loan Liabilities at the beginning and at the end of the year were as under :—

| Opening Debt on 1st April 1987 | Loan raised during the year | Repayment of debt during the year. | Outstanding Debt on 31st March 1988 |
|--------------------------------|-----------------------------|------------------------------------|-------------------------------------|
| Rs. | Rs. | Rs. | Rs. |
| 34,15,50,000 | 4,20,00,000 | 2,45,00,000 | 35,90,50,000 |

(v) The position of Sinking Fund is as shown below :—

| Amount of Fund on 1st April 1987 | Interest etc. realised | Sinking Fund Instalments | Total Sinking Fund | Withdrawal for Repayment of Loans | Amount of Fund on 31st March 1988 |
|----------------------------------|------------------------|--------------------------|--------------------|-----------------------------------|-----------------------------------|
| Rs. 7,56,05,455 | Rs. 48,55,561 | Rs. 1,39,67,914 | Rs. 9,44,28,930 | Rs. 2,45,00,000 | Rs. 6,99,28,930 |

| Book value of securities and cash as on 31-3-1988 | Market value of securities with interest accrued upto 31-3-1988 and cash as on 31-3-1988 | Amount of Sinking Fund which should have accumulated upto 31-3-1988 | Deficit in Sinking Fund as on 31-3-1988 |
|---|--|---|---|
| Rs. 6,99,28,930 | Rs. 7,04,74,881 | Rs. 7,24,13,052 | Rs. 19,38,171 |

The value of securities held in Sinking Fund Account on the basis of Market rates prevailing on 31st March 1988 including accrued interest and cash is less than the actual amount of the Sinking Fund by Rs. 19,38,171 which is held in the Sinking Fund Account.

Income

(vi) Position of the Income excluding the Special Contribution from Budget 'A' during the year 1987-88 is as shown below :—

| Budget Estimates. | Revised Estimates. | Actuals | Increase (+) Decrease (—) Compared with | |
|-------------------|--------------------|------------------|--|--------------------|
| | | | Budget Estimates. | Revised Estimates. |
| Rs. 26,40,82,650 | Rs. 28,12,50,770 | Rs. 28,56,76,483 | Rs. + 2,15,93,833 | Rs. + 44,25,713 |

To cover the deficit, an amount of Rs. 43.00 Crores (as against Budget Estimates of 66.06 Crores and Revised Estimates of Rs. 43.62 Crores) has been taken from Budget 'A' as Special Contribution during the year.

The rates of Education Cess are varying from 1/2 per cent to 5 per cent on slab basis of Rateable value.

Expenditure

(vii) The final sanctioned Grants amounted in the aggregate to Rs. 91,04,26,750 as follows :—

| | |
|--|---------------------|
| Budget Grants | Rs. 86,46,86,540 |
| Unexpended Grants for previous years renewed for Expenditure | 3,71,33,000 |
| Additional Grants | 86,07,210 |
| Final sanctioned Grants | 91,04,26,750 |

The transfer from one Budget Grant to another without affecting the total Budget provision of the year amounting to Rs. 2,95,000.

(viii) Position of the Revenue Expenditure during the year :—

| Final Grant 1987-88 | Actuals 1987-88 | Balance Grant as on 31-3-1988 | Amount Reserved for Renewal during the year 1988-89 | Balance of Grant treated as saving. |
|------------------------|---------------------|-------------------------------------|---|---|
| Rs. 91,04,26,750 | Rs. 69,49,71,876 | Rs. 21,54,54,874 | Rs. 5,95,59,800 | Rs. 15,58,95,074 |

(ix) The percentage of Establishment cost inclusive of expenditure on Dearness Allowance, Provident Fund and Pension etc. charges to the total expenditure for 1987-88 as compared with the previous year's percentage is given below :—

| Establishment | Establishment Cost | Percentage to the total expenditure during | |
|---------------|-----------------------|---|--------------|
| | 1987-88 | 1987-88 | 1986-87 |
| Budget—E | Rs. 59,38,87,432 | Rs. 85.45 | Rs. 85.52 |

Loan Fund

(x) Position of the Loan Fund during the year :—

| Opening Balance as on 1-4-1987 | Loan Receipts. | Total | Loan Works expenditure. | Closing Balance as on 31-3-1988 |
|--------------------------------|-----------------|-----------------|-------------------------|---------------------------------|
| Rs. 80,22,187 | Rs. 4,20,00,000 | Rs. 5,00,22,187 | Rs. 1,38,00,220 | Rs. 3,62,21,967 |

(xi) The following statement compares the expenditure on Capital Works with the Budget and Revised Estimates during the last three years :—

| Year | Loan and Trust Fund | | | Percentage of Actuals to Budget Estimates | Percentage of Actuals to Revised Estimates |
|------------|---------------------|-------------------|-------------|---|--|
| | Budget Estimates | Revised Estimates | Actuals | | |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1985-86 .. | 5,82,37,500 | 5,24,01,750 | 3,02,14,005 | 51.9 | 57.7 |
| 1986-87 .. | 8,34,33,000 | 3,17,35,000 | 2,38,84,397 | 28.6 | 75.3 |
| 1987-88 .. | 5,82,60,000 | 4,01,36,500 | 1,38,00,220 | 23.7 | 34.4 |

A/c. 3403—Edu.

S. M. CHANDEKAR,
Chief Accountant.

APPENDIX No. 1.
(Consolidated)
General Financial Statistics.

| Particulars. | 1983-84 | 1984-85. | 1985-86. | 1986-87. | 1987-88. |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| <i>General</i> | | | | | |
| 1. Area of the Greater Bombay (in sq. Kms.)... | 466.35 | 466.36 | 466.36 | 466.36 | 466.36 |
| Population | †††82,43,405 | †††82,43,405 | * 95,65,000 | * 98,61,000 | * 99,28,000 |
| <i>Rates and Assessments.</i> | | | | | |
| 3. Rateable value Rs. | 1,88,21,97,578 | 2,01,14,75,756 | 2,21,23,66,719 | 2,43,85,22,083 | 2,81,32,09,969 |
| 4. Rateable value Rs. per head of population. | Rs. 228.33 | Rs. 244.01 | Rs. 231.30 | Rs. 247.29 | Rs. 283.36 |
| 5. Properties registered in the Assessment Book | 2,19,312 | 2,21,129 | 2,19,105 | 2,30,043 | 2,23,232 |
| <i>Income.</i> | | | | | |
| 6. General Tax (@24% of R.V.) ... | Rs. 40,20,27,912 | Rs. 44,14,10,665 | Rs. 46,33,99,911 | Rs. 52,81,34,685 | Rs. 54,67,94,717 |
| 7. Income from other sources | 1,92,23,84,758 | 2,22,65,24,034 | 2,47,19,27,928 | 2,75,44,05,029 | 3,19,32,32,856 |
| Total Income | 2,32,44,12,670 | 2,66,79,34,699 | 2,93,53,27,839 | 3,28,25,39,714 | 3,74,00,27,573 |
| 8. Incidence of Taxation per head | ₹₹ 238.96 | ₹₹ 270.01 | ₹₹ 255.43 | ₹₹ 274.04 | ₹₹ 316.79 |
| <i>Loans.</i> | | | | | |
| 9. Debt outstanding ... | Rs. 2,28,99,34,636 | Rs. 2,62,43,25,541 | Rs. 3,24,01,83,594 | Rs. 3,72,25,86,272 | Rs. 4,09,57,75,017 |
| 10. Redemption and Sinking Funds in hand or invested | 45,59,93,446 | 42,33,42,466 | 45,14,91,474 | 54,37,10,581 | 57,00,61,618 |
| 11. Net Loan Debt | 1,83,39,41,190 | 2,20,09,83,075 | 2,78,86,92,120 | 3,17,88,75,691 | 3,52,57,13,399 |
| 12. Net Debt per head of population | 222.47 | 267.00 | 291.55 | 322.36 | 355.13 |
| <i>Expenditure</i> | | | | | |
| 13. Contribution to Primary Education ... | Rs. 30,47,55,900 | Rs. 43,20,30,310 | Rs. 39,08,44,240 | Rs. 48,87,51,870 | Rs. 53,60,60,670 |
| 14. Medical Relief ... | 41,12,76,531 | 42,15,96,822 | 48,89,99,579 | 52,57,28,317 | 58,28,00,428 |
| 15. Other Civic services | 1,10,86,63,720 | 141,27,58,023 | 1,53,53,78,825 | 1,62,84,93,372 | 2,10,30,03,587 |
| 16. Debt Charges | 27,51,73,824 | 29,07,42,475 | 33,34,23,597 | 40,35,16,822 | 47,91,61,916 |
| Total Expenditure | 2,09,98,69,975 | 2,55,71,27,630 | 2,74,86,46,241 | 3,04,64,90,381 | 3,70,10,26,601 |

3403—Div.—I

₹₹ Incidence of Taxation per head of population exclusive of Water Tax, Sewerage Tax and Education Cost.

††† As intimated by H.O.

* Mid— year Population, as Intimated by H. O.

APPENDIX No. 2

(Consolidated)

Revenue Account for the year ended 31st March 1988

| Particulars | Total | Particulars | Total |
|---|-------------------|--|-------------------|
| | Rs. P. | | Rs. P. |
| To Revenue Expenditure ... | 3,70,10,26,601.68 | By Revenue Receipts ... | 3,74,00,27,573.97 |
| Surplus for the year | 3,90,00,972.29 | | |
| | 3,74,00,27,573.97 | | 3,74,00,27,573.97 |
| | Rs. P. | | Rs. P. |
| To Revenue Expenditure to be incurred in 1988-89 and provided for as renewed grants ... 48,00,00,000.00 | 48,00,00,000.00 | By Surplus Revenue Fund as at 1st April 1987 ... | 70,78,65,101.89 |
| To Balance being Surplus Revenue Fund as at 31st March 1988 as per Appendix No. 5 of Division I + | | By Surplus for the year ... | 3,90,00,972.29 |
| II -2,76,00,41,912.24 | | | |
| III -1,27,52,11,101.54 | | By Revenue of previous years reserved for the year 1987-88 ... 39,58,08,000.00 | 39,58,00,000.00 |
| | 66,26,66,074.18 | | |
| | 1,14,26,66,074.18 | | 1,14,26,66,074.18 |

Appendix No 5

Revenue & Suspense Account, Balance Sheet as at 31-3-1988

Budget 'A'

(Consolidated)

| Liabilities | Amount | | | | Assets | Amount | | | |
|--|-----------------|----|------------------|------------------|--|------------------|----|-----|-------------------|
| | Rs. | P. | Rs. | P. | | Rs. | P. | Rs. | P. |
| (A) Outstanding Liabilities— | | | | | | | | | |
| Cash Bill Outstanding | | | | | Cash at Bank— | | | | |
| Budget 'A' Div. I .. | 6,33,981.88 | | | | Div. I .. Cr. | 52,90,602.17 | | | |
| " II .. | 8,26,620.73 | | | | Div. II .. Dr. | 91,16,108.10 | | | |
| " III .. | 42,702.26 | | | 15,03,304.87 | Div. III .. Dr. | 5232,886.51 | | | |
| Cheques Payable A/c | | | | | Cash in Office— | | | | Dr. 90,58,392.44 |
| Budget 'A' Div. I .. | 4,24,40,077.90 | | | | Div. I .. | 20,50,16,021.07 | | | |
| " II .. | 1,60,08,554.30 | | | 8,08,09,113.16 | Div. II .. | 7,23,88,303.08 | | | |
| " III .. | 2,23,60,480.96 | | | | Div. III .. | 5,26,45,852.27 | | | |
| Stores Purchase Outstanding A/c. | | | 1,10,04,266.85 | | Municipal Loans-Interest Warrant Payable Account | | | | |
| Stock Adjustment A/c. | | | 5,61,917.68 | | Budget 'A' Div. I .. | 39,460.82 | | | 50,361.07 |
| Capital Stores Purchase A/c (Foras Rd.) | | | 6,80,180.47 | | " II .. | 10,900.25 | | | 6,054.55 |
| Outstanding charges for 1986-87 and previous year | | | | | B. I. T. Loans Interest Warrant Payable Account | | | | 760.00 |
| Budget 'A' Div. I .. | 25,50,00,000.00 | | | 48,00,00,000.00 | Interest on B. I. T. Loans payable Account | | | | 31,116.89 |
| " II .. | 11,50,00,000.00 | | | | Interest on Suburban Loan with State Bank of India Budget 'A' Div. II | | | | 16,19,83,317.21 |
| " III .. | 11,00,00,000.00 | | | | Due for Stores Sold Capital Stores Stock F. Rd. | | | | 34,20,18,429.33 |
| Outstanding charges in respect of Interest Accrued but not paid Budget 'A' Div. I .. | 1,83,55,788.23 | | | 4,80,22,981.15 | Stock Adjustment A/C in respect of the amount of Stock in hand & work in Progress App. 13(A) | | | | 9,05,82,098.53 |
| " Div. II .. | 2,95,44,970.71 | | | | Advances Recoverable Account Budget 'A' Div. I .. | | | | Cr. 54,25,754.45 |
| " Div. III .. | 1,22,222.21 | | | | " II .. | 7,73,89,017.64 | | | Cr. 223,64,459.18 |
| Deposit in Cash and Public Securities from contractors and Private Parties | | | | | " III .. | 1,31,93,080.89 | | | 32,35,850.77 |
| Budget 'A' Div. I .. | 87,90,51,509.54 | | | 150,81,62,518.07 | Reserve Stores purchase A/c. | | | | Cr. 10,13,758.37 |
| " II .. | 45,43,93,839.18 | | | | Capital Stores Purchase A/c. | | | | |
| " III .. | 17,47,17,169.35 | | | | Capital Store Stock A/c. | | | | |
| Pension Recovery cheques Payable A/c | | | 1,86,293.77 | | Unadjusted Reserve Stores A/c. Stock | | | | |
| Interest on loans payable A/c. Budget 'A' Div. I .. | 6,500.00 | | | | Unadjusted Reserve Stores A/c. Stock (F. R.) | | | | |
| " II .. | 15,594.69 | | | 22,094.69 | Advance from Surplus Moneys for financing Capital work Expenditure— | | | | |
| | | | | | Budget 'A' Div. I .. | | | | |
| | | | | | " II .. | | | | |
| | | | | | " III .. | | | | |
| Amount Payable to Budget 'G' | | | 73,39,46,918.12 | | Budget 'B' | 47,08,97,514.75 | | | 47,08,97,514.75 |
| Amount Payable to Budget 'E' | | | 7,93,16,522.35 | | Deposit in Securities from Pub. With State Bank of India— | | | | |
| | | | | | Budget 'A' Div. I .. | 1,83,07,970.00 | | | |
| | | | | | " II .. | 10,27,190.12 | | | 1,93,35,160.12 |
| | | | | | In Office— | | | | |
| | | | | | Budget 'A' Div. I .. | 4,59,894.55 | | | |
| | | | | | " II .. | 25,01,205.00 | | | |
| | | | | | " III .. | 9,87,730.00 | | | 39,48,829.55 |
| Total—Outstanding Liabilities | | | 294,42,16,111.18 | | Investment of Surplus Moneys in Public Securities | | | | 38,013.14 |
| | | | | | Investments of Balance held— | | | | |
| | | | | | In Securities | | | | |
| | | | | | In Fixed Deposits | 154,17,00,000.00 | | | |
| | | | | | In Interest bearing Current A/c. | | | | |
| | | | | | In Cash with S. B. I. | 84,008.41 | | | |
| | | | | | | | | | 154,17,84,008.41 |
| | | | | | | | | | 294,42,16,111.18 |
| Total C. F. | | | 294,42,16,111.18 | | Total C. F. | | | | 294,42,16,111.18 |

Appendix No. 5 —Contd.

Revenue & Suspense Account Balance Sheet as at 31-3-1968. (Contd.)

Budget 'A'

(Consolidated)

| LIABILITIES | AMOUNT | | ASSETS | AMOUNT | |
|--|------------------|------------------|--|--------------|-------------------|
| | Rs. | P. | | Rs. | P. |
| Total—B. O. .. | | 29,442,16,111.18 | Total—B. O. .. | | 29,442,16,111.18 |
| (B) Special Fund Account | | | Investment of Special Funds in Securities | | |
| Municipal Fire and Accident Insurance Fund A/c .. | 1,06,86,373.16 | | Provident Fund .. | | 1,20,20,48,246.56 |
| Net Premis Fund Account .. | 18,32,462.41 | | Hospital Fund— Budget 'A' Div. II .. | 2,36,100.00 | |
| Provident Fund Account .. | 130,29,71,426.02 | | Budget 'A' Div. I .. | 20,14,300.00 | 22,50,400.00 |
| Pension Fund Account .. | 45,78,88,549.79 | | Fidelity Guarantee Ins. Fund | | 12,42,800.00 |
| Hospital Fund Account— Budget 'A' Div. I .. | 20,14,383.52 | | Public Monument Maintenance Fund | | |
| " II .. | 2,56,191.87 | | Budget 'A' Div. I .. | 1,22,873.34 | |
| | | 22,50,575.59 | " II .. | 16,300.00 | 1,39,173.34 |
| G. S. M. College, K. E. M. Hospital Research Fund Account | | 14,12,459.25 | Endowment Fund .. | | 13,61,288.89 |
| Gratuities Fund A/c .. | | | Motor Vehicles (Third Party) Insurance Fund .. | | 11,50,000.00 |
| | | | Tree Authority Fund .. | | 31,94,700.00 |
| | | | Mechanically Propelled Vessels (T.P.) Insurance Fund .. | | 5,00,000.00 |
| Fidelity Guarantee Insurance Fund A/c .. | 12,42,851.12 | | Municipal Fire & Accident Insurance Fund .. | | 1,06,86,300.00 |
| Land (Recl. & Acqn.) Fund .. | 3,08,48,317.00 | | Land (R&A) Fund .. | | 3,06,48,300.00 |
| Public Monument Maintenance Fund Account— Budget 'A' Div. I .. | 1,22,963.34 | | Fire Brigade Employees (Operational Staff) Accident Compensation Fund .. | | 9,58,600.00 |
| " .. | 16,317.84 | | Net Premis Fund .. | | 18,32,400.00 |
| | | 1,39,281.28 | G. S. M. College & K. E. M. Hospital Research Fund .. | | 8,61,300.00 |
| Endowment Fund Account .. | | 14,28,502.04 | Pension Fund .. | | 5,55,79,100.00 |
| Fire Brigade Employees (Operational Staff) Accident Compensation Fund A/c .. | | 9,58,604.97 | Total—Inv. in Securities .. | | 131,26,52,608.79 |
| Motor Vehicles (Third Party) Insurance Fund A/c .. | | 12,00,000.00 | Investment of Special Funds in Fixed Deposits and Cash etc. | | |
| Mechanically Propelled Vessels (T. P.) Insurance Fund A/c .. | | 6,09,349.90 | Municipal Fire and Accident Insurance Fund .. | | 73.16 |
| Development Fund for Secondary Schools A/c .. | 2,00,03,028.33 | | Net Premis Fund .. | | 62.41 |
| Tree Authority Fund A/c .. | 31,94,792.87 | | Provident Fund .. | | 10,19,23,179.46 |
| | | | Pension Fund .. | | 40,23,09,449.79 |
| | | | Hospital Fund | | |
| | | | Budget 'A' Div. I .. | 83.92 | |
| | | | " II .. | 91.57 | 175.59 |
| | | | G. S. M. College and K. E. M. Hospital Research Fund | | 5,51,159.25 |
| | | | Gratuities Fund .. | | ... |
| | | | Fidelity Guarantee Insurance Fund | | 51.12 |
| | | | Land (Recl. & Acqn.) Fund | | 17.00 |
| | | | Public Monument Maintenance Fund | | |
| | | | Budget 'A' Div. I .. | 92.00 | |
| | | | " II .. | 17.34 | 109.34 |
| | | | Endowment Fund | | 67,213.13 |
| | | | Fire Brigade Employees (Operational Staff) Accident Compensation Fund .. | | 94.97 |
| | | | Motor Vehicles (Third Party) Insurance Fund .. | | 30,000.00 |
| | | | Mechanically propelled vessels (T. P.) Insurance Fund .. | | 1,09,349.90 |
| | | | Development Fund for Secondary Schools .. | | 2,00,03,028.33 |
| | | | Tree Authority Fund .. | | 92.87 |
| | | | Total Investment in Fixed Deposits and in Cash .. | | 5250,14,056.74 |
| Total—Special Fund A/c .. | | 183,76,66,665.53 | Total Investment Special Funds | | 18376,66,665.53 |
| Total—C. F. .. | | 478,18,82,776.71 | Total—C. F. .. | | 478,18,82,776.71 |

Appendix No. 5 (Contd.)

Revenue & Suspense Account, Balance Sheet as at 31-3-1988. (Concl.)

Budget 'A'

(Consolidated)

| Liabilities | Amount | | | | Assets | Amount | | | |
|------------------------------|--------------------|----|------------------|----|--|-----------------|----|------------------|-----------------|
| | Rs. | P. | Rs. | P. | | Rs. | P. | Rs. | P. |
| Total—B.O. .. | | | 478,18,82,776.71 | | Total—B.O. .. | | | 478,18,82,776.71 | |
| C) Surplus Revenue Fund A/c. | | | | | Investment of Surplus Revenue Fund | | | | |
| Budget 'A' Div. I .. | 469,79,19,087.96 | | | | General Reserve Stores Account Stock—(App 17) .. | | | 73,38,105.46 | |
| .. II (Deficit) .. | —276,00,41,912.24 | | | | Advances out of S. C. B.— | | | | |
| .. III (Deficit) .. | —1,27,52,11,101.54 | | | | Budget 'A' Div. I .. | 27,35,74,661.44 | | | |
| | | | 66,26,66,074.18 | | .. II .. | 12,22,71,628.72 | | | |
| | | | | | .. III .. | 4,45,68,551.87 | | | 44,04,14,842.03 |
| | | | | | Investments of Balance held— | | | | |
| | | | | | In Securities .. | | | 13,19,67,337.77 | |
| | | | | | In Fixed Deposits .. | | | 5,08,49,100.00 | |
| | | | | | In Interest bearing Current A/c. .. | | | 3,19,78,891.72 | |
| | | | | | In Cash with S.B.I. .. | | | 1,17,797.20 | |
| | | | 66,26,66,074.18 | | Total Surplus Revenue Fund .. | | | 66,26,66,074.18 | |
| Grand Total .. | | | 544,45,48,850.89 | | Grand Total .. | | | 544,45,48,850.89 | |

Investments of Surplus Fund.

| Budget 'A' | Securities | | Fixed Deposit | | Interest bearing Current A/c. | | State Bank of India. Cash Deposits | | Total | |
|------------------------|-----------------|----|-------------------|----|-------------------------------|----|------------------------------------|----|-------------------|----|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| Division I .. | 11,59,74,737.77 | | 1,59,25,49,100.00 | | 3,09,15,284.24 | | 1,05,672.58 | | 1,73,95,44,794.59 | |
| Division II (W.S.) .. | 59,88,400.00 | | | | | | 95,765.73 | | 60,84,165.73 | |
| Division III (E.S.) .. | 1,00,04,200.00 | | | | 10,63,607.48 | | 367.30 | | 1,10,68,174.78 | |
| Total .. | 13,19,67,337.77 | | 1,59,25,49,100.00 | | 3,19,78,891.72 | | 2,01,805.61 | | 1,75,66,97,135.10 | |

Div.—I

APPENDIX No. 6
(CONSOLIDATED)

Capital Works Expenditure Budget 'A' (Summary).

| CAPITAL ACCOUNT | TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1987 | | | | CAPITAL WORKS EXPENDITURE DURING THE YEAR 1987-88 | | | | TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1988 | | | |
|---|---|--------------------|---------------------|----------------|--|--------------------|---------------------|-----------------|---|--------------------|---------------------|----------------|
| | Div.—I (City) | Div.—II (W. S.) | Div.—III (R. S.) | Total | Div.—I (City) | Div.—II (W. S.) | Div.—III (R. S.) | Total | Div.—I (City) | Div.—II (W. S.) | Div.—III (R. S.) | Total |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| (1) Loan Fund— | | | | | | | | | | | | |
| I.—General Supervision etc. | 9,11,24,417 | 4,80,01,258 | 6,48,769 | 13,97,74,444 | 62,82,764 | 5,06,000 | .. | 67,88,764 | 9,74,07,181 | 4,85,07,258 | 6,48,769 | 14,65,63,208 |
| Education, Primary | 27,98,012 | 1,24,024 | .. | 29,22,036 | .. | .. | .. | 27,98,012 | 27,98,012 | 1,24,024 | .. | 29,22,036 |
| II.—Free Reading Rooms etc. | 15,68,199 | 67,040 | .. | 16,35,239 | .. | .. | .. | 15,68,199 | 15,68,199 | 67,040 | .. | 16,35,239 |
| III.—Street Cleaning and Conservancy etc. | 4,18,35,870 | 2,61,16,473 | 86,73,525 | 7,66,25,868 | 4,46,158 | 1,52,051 | 20,70,295 | 26,68,504 | 4,22,82,028 | 2,62,68,524 | 1,07,43,820 | 7,92,94,372 |
| IV.—S. W. (Drains etc.) | 35,89,76,030 | 40,50,40,638 | 3,16,65,000 | 79,56,81,668 | 4,99,28,171 | 1,13,83,249 | 1,94,66,892 | 8,07,78,312 | 40,89,04,201 | 41,64,23,886 | 5,11,31,893 | 87,64,59,980 |
| V.—Mechanical | 17,02,072 | 67,576 | .. | 17,69,648 | .. | .. | .. | 17,02,072 | 17,02,072 | 67,576 | .. | 17,69,648 |
| VI.—Bldgs, Land Acqs. etc. | 18,97,22,646 | 8,88,70,022 | 2,54,58,080 | 30,40,50,748 | Cr. 1,20,18,370 | Cr. 1,64,18,395 | Cr. 1,50,24,029 | Cr. 4,34,60,794 | 17,77,04,276 | 7,24,51,627 | 1,04,34,031 | 26,05,89,934 |
| VII.—Fire Brigades | 2,04,16,663 | 4,57,33,478 | 3,56,668 | 6,65,06,809 | 12,17,558 | Cr. 2,34,507 | .. | 9,83,051 | 2,16,34,221 | 4,54,98,971 | 3,56,668 | 6,74,89,860 |
| VIII.—Licensing, Removal of Encroachments | 12,96,652 | .. | .. | 12,96,652 | .. | .. | .. | 12,96,652 | 12,96,652 | .. | .. | 12,96,652 |
| IX.—Cemeteries & Open Spaces | 5,34,47,148 | 13,76,57,857 | 7,79,90,398 | 26,90,95,403 | 31,78,740 | 1,65,94,648 | 85,74,608 | 2,85,47,996 | 5,68,25,888 | 15,42,52,505 | 8,65,65,006 | 29,76,43,399 |
| X.—Markets | 7,13,06,073 | 3,47,22,881 | 18,04,642 | 10,78,33,596 | 44,03,499 | 27,585 | 25,38,379 | 69,69,463 | 7,57,09,572 | 3,47,50,466 | 43,43,621 | 11,48,03,659 |
| XI.—Dueses Abolition | 5,70,51,212 | .. | 2,55,05,859 | 8,25,57,071 | .. | .. | 65,72,296 | 65,72,296 | 5,70,51,212 | .. | 3,20,78,155 | 8,91,29,367 |
| Shan Service | 50,75,492 | .. | .. | 50,75,492 | .. | .. | .. | 50,75,492 | 50,75,492 | .. | .. | 50,75,492 |
| XII.—Village Amenities | .. | 1,01,13,615 | 18,66,980 | 1,19,82,595 | .. | 20,94,854 | 45,42,710 | 66,37,564 | .. | 1,22,10,469 | 64,08,690 | 1,86,20,159 |
| Measures for Civil Defence | 1,87,148 | .. | .. | 1,87,148 | .. | .. | .. | 1,87,148 | 1,87,148 | .. | .. | 1,87,148 |
| Greater Bombay | 2,81,069 | .. | .. | 2,81,069 | .. | .. | .. | 2,81,069 | 2,81,069 | .. | .. | 2,81,069 |
| XIII.—Industrial Estates | 1,31,35,664 | 80 | .. | 131,35,744 | 73,754 | .. | .. | 73,754 | 1,32,09,418 | 80 | .. | 1,32,09,498 |
| XIV.—Ordinary Fabrication Works | .. | 2,83,89,251 | 81,75,108 | 3,65,64,359 | .. | 1,11,022 | 99,827 | 2,10,849 | .. | 2,85,00,273 | 82,74,935 | 3,67,75,208 |
| Municipal Power Laundry | 2,23,935 | .. | .. | 2,23,935 | .. | .. | .. | 2,23,935 | 2,23,935 | .. | .. | 2,23,935 |
| Discount & Other charges on Loan | .. | 45,223 | .. | 45,223 | .. | .. | .. | 45,223 | .. | 45,223 | .. | 45,223 |
| XV.—Traffic Operations | 63,34,78,542 | 77,62,10,799 | 24,61,05,690 | 1,65,57,95,031 | 5,59,28,195 | 2,56,39,390 | 3,53,14,085 | 11,68,81,670 | 68,94,06,737 | 80,18,50,189 | 28,14,19,775 | 1,77,26,76,701 |
| XVI.—Works under B. U. D. F. I. | 4,07,94,517 | .. | .. | 4,07,94,517 | 1,99,69,227 | .. | .. | 1,99,69,227 | 6,07,63,744 | .. | .. | 6,07,63,744 |
| XVII.—Public Health Department | 3,31,92,324 | 4,25,41,550 | 52,07,668 | 8,09,41,542 | 35,03,712 | 9,05,857 | 20,76,015 | 64,85,584 | 3,66,96,036 | 4,34,47,407 | 72,83,683 | 8,74,27,126 |
| XVIII.—Medical Relief & Education | 45,73,04,649 | 19,79,04,885 | 1,94,81,922 | 67,46,91,456 | 2,91,99,056 | 57,01,328 | 24,06,171 | 3,73,06,555 | 48,65,03,705 | 20,36,06,214 | 2,18,88,092 | 71,19,98,011 |
| XIX.—Measures to control environmental air pollution in Greater Bombay | 1,35,43,976 | .. | .. | 1,35,43,976 | 2,16,474 | .. | .. | 2,16,474 | 2,37,60,450 | .. | .. | 1,37,60,450 |
| Suspense Account, Mechanical Transport Composts plant & Fertilizing Press Ezra selection programme on site of imple- mentation of major project in Brihan Mumbai Plant and Machinery out of dif- ferent Special Fund | 85,76,460 | 3,01,32,980 | 94,318 | 3,88,03,758 | 10,40,416 | 1,96,061 | .. | 12,36,477 | 96,16,876 | 3,03,29,041 | 94,318 | 4,00,40,235 |
| Plant and Machinery out of Loan Fund | 55,823 | .. | .. | 55,823 | 62,29,829 | .. | .. | 62,29,829 | 62,29,829 | .. | .. | 62,29,829 |
| Plant and Machinery out of Loan Fund | 7,04,48,526 | 2,20,62,399 | 42,59,709 | 9,67,90,634 | 35,28,110 | 7,11,207 | 5,53,826 | 47,93,143 | 7,39,76,636 | 2,27,93,606 | 48,13,535 | 10,15,83,777 |
| Total (1) Loan Fund | 2,16,75,43,119 | 1,89,38,24,029 | 45,72,94,336 | 4,51,86,61,484 | 17,33,27,293 | 4,73,70,350 | 6,91,91,075 | 28,98,88,718 | 2,34,08,70,412 | 1,94,11,94,379 | 52,64,85,411 | 4,80,85,50,202 |
| Trust Fund suris executed | 95,35,440 | 3,30,700 | .. | 98,66,140 | 9,62,194 | 6,54,225 | .. | 16,16,419 | 1,04,97,634 | 9,84,925 | .. | 1,14,82,559 |
| Land Bldg. Fund Land purchased & Bldgs. erected | 43,03,044 | .. | .. | 43,03,044 | .. | .. | .. | 43,03,044 | 43,03,044 | .. | .. | 43,03,044 |
| Grand Total | 2,18,13,81,603 | 1,89,41,54,729 | 45,72,94,336 | 4,53,28,30,668 | 17,42,89,487 | 4,80,24,575 | 6,91,91,075 | 29,15,05,137 | 2,35,56,71,090 | 1,94,21,79,304 | 52,64,85,411 | 4,82,43,35,805 |

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CO

APPENDIX No. 11

(Consolidated)

Outstanding Balances of Loans on 31st March 1988 pertaining to Budget 'A'

| Sr. | Particulars of Loans | Rate of Interest per annum | Outstanding Loan Balance on 31st March 1988 | Serial No. | Particulars of Loans | Rate of Interest per annum | Outstanding Loan Balance on 31st March 1988 |
|-----|---|----------------------------|---|------------|--|----------------------------|---|
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| | BUDGET 'A' DIV. I Loans raised from Public | | Rs. | | BUDGET 'A' DIV. II (Subs.) Loans raised from Public | | |
| 1 | Rs. 235 lakhs Loan 1963-64 | 4½% | 2,35,00,000.00 | 40 | Rs. 50 lakhs Loan 1963-64 | 4½% | 50,00,000.00 |
| 2 | Rs. 100 lakhs Loan 1964-65 | 4½% | 1,00,00,000.00 | 41 | Rs. 70 lakhs Loan 1964-65 | 4½% | 70,00,000.00 |
| 3 | Rs. 300 lakhs Loan 1965-66 | 6% | 3,00,00,000.00 | 42 | Rs. 50 lakhs Loan 1965-66 | 6% | 50,00,000.00 |
| 4 | Rs. 200 lakhs Loan 1965-66 | 6% | 2,00,00,000.00 | 43 | Rs. 50 lakhs Loan 1966-67 | 6% | 50,00,000.00 |
| 5 | Rs. 400 lakhs Loan 1966-67 | 6% | 4,00,00,000.00 | 44 | Rs. 50 lakhs Loan 1967-68 | 6% | 50,00,000.00 |
| 6 | Rs. 250 lakhs Loan 1966-67 | 6% | 2,50,00,000.00 | 45 | Rs. 50 lakhs Loan 1968-69 | 6% | 50,00,000.00 |
| 7 | Rs. 800 lakhs Loan 1967-68 | 6% | 8,00,00,000.00 | 46 | Rs. 100 lakhs Loan 1972-73 | 6% | 1,00,00,000.00 |
| 8 | Rs. 325 lakhs Loan 1968-69 | 6% | 3,25,00,000.00 | 47 | Rs. 100 lakhs Loan 1973-74 | 6% | 1,00,00,000.00 |
| 9 | Rs. 200 lakhs Loan 1972-73 | 6% | 2,00,00,000.00 | 48 | Rs. 100 lakhs Loan 1974-75 | 6½% | 1,00,00,000.00 |
| 10 | Rs. 400 lakhs Loan 1972-73 | 6% | 4,00,00,000.00 | 49 | Rs. 250 lakhs Loan 1975-76 | 6½% | 2,50,00,000.00 |
| 11 | Rs. 250 lakhs Loan 1973-74 | 6% | 2,50,00,000.00 | 50 | Rs. 300 lakhs Loan 1976-77 | 6½% | 3,00,00,000.00 |
| 12 | Rs. 250 lakhs Loan 1974-75 | 6½% | 2,50,00,000.00 | 51 | Rs. 250 lakhs Loan 1976-77 | 6½% | 2,50,00,000.00 |
| 13 | Rs. 100 lakhs Loan 1975-76 | 6½% | 1,00,00,000.00 | 52 | Rs. 450 lakhs Loan 1978-79 | 6½% | 4,50,00,000.00 |
| 14 | Rs. 300 lakhs Loan 1976-77 | 6½% | 3,00,00,000.00 | 53 | Rs. 250 lakhs Loan 1978-79 | 6½% | 2,50,00,000.00 |
| 15 | Rs. 400 lakhs Loan 1977-78 | 7½% | 4,00,00,000.00 | 54 | Rs. 850 lakhs Loan 1979-80 | 7½% | 8,50,00,000.00 |
| 16 | Rs. 80 lakhs Loan 1978-79 | 6½% | 88,00,000.00 | 55 | Rs. 450 lakhs Loan 1980-81 | 7½% | 4,50,00,000.00 |
| 17 | Rs. 150 lakhs Loan 1978-79 | 6½% | 1,50,00,000.00 | 56 | Rs. 250 lakhs Loan 1980-81 | 6½% | 2,50,00,000.00 |
| 18 | Rs. 500 lakhs Loan 1978-79 | 8% | 5,00,00,000.00 | | Total Div. II | | 38,45,00,000.00 |
| 19 | Rs. 150 lakhs Loan 1979-80 | 6½% | 1,65,00,000.00 | | BUDGET 'A' Div. III (Extd, Subs.) | | |
| 20 | Rs. 550 lakhs Loan 1979-80 | 6½% | 5,50,00,000.00 | | Loan raised from Public | | |
| 21 | Rs. 450 lakhs Loan 1980-81 | 7% | 4,95,00,000.00 | 57 | Rs. 25 lakhs Loan 1964-65 | 4½% | 25,00,000.00 |
| 22 | Rs. 800 lakhs Loan 1980-81 | 6½% | 8,00,00,000.00 | 58 | Rs. 50 lakhs Loan 1965-66 | 6½% | 50,00,000.00 |
| 23 | Rs. 600 lakhs Loan 1981-82 | 7½% | 6,60,00,000.00 | 59 | Rs. 40 lakhs Loan 1966-67 | 6½% | 40,00,000.00 |
| 24 | Rs. 500 lakhs Loan 1981-82 | 7% | 5,00,00,000.00 | 60 | Rs. 20 lakhs Loan 1967-68 | 6½% | 20,00,000.00 |
| 25 | US 6.50 Millions Loan from World Bank (IBRD) thro. BMRDA. | 9.2% | 3,40,08,181.22 | 61 | Rs. 100 lakhs Loan 1972-73 | 6½% | 1,00,00,000.00 |
| 26 | Rs. 600 lakhs Loan 1982-83 | 7½% | 6,60,00,000.00 | 62 | Rs. 50 lakhs Loan 1973-74 | 6½% | 50,00,000.00 |
| 27 | Rs. 600 lakhs Loan 1982-83 | 7½% | 6,00,00,000.00 | 63 | Rs. 50 lakhs Loan 1974-75 | 6½% | 50,00,000.00 |
| 28 | Rs. 600 lakhs Loan 1983-84 | 8½% | 6,60,00,000.00 | 64 | Rs. 50 lakhs Loan 1975-76 | 6½% | 50,00,000.00 |
| 29 | Rs. 700 lakhs Loan 1983-84 | 8½% | 7,00,00,000.00 | 65 | Rs. 150 lakhs Loan 1976-77 | 6½% | 1,50,00,000.00 |
| 30 | Rs. 1100 lakhs Loan 1984-85 | 9% | 12,10,00,000.00 | 66 | Rs. 75 lakhs Loan 1976-77 | 6½% | 75,00,000.00 |
| 31 | Rs. 700 lakhs Loan 1984-85 | 9% | 7,00,00,000.00 | 67 | Rs. 300 lakhs Loan 1978-79 | 6½% | 3,00,00,000.00 |
| 32 | Rs. 54 Lakhs Loan 1985-86 | 9½% | 5,46,00,000.00 | 68 | Rs. 425 lakhs Loan 1979-80 | 6½% | 4,25,00,000.00 |
| 33 | Rs. 2000 Lakhs Loan 1985-86 | 9½% | 20,00,00,000.00 | 69 | Rs. 450 lakhs Loan 1980-81 | 7½% | 4,50,00,000.00 |
| 34 | Rs. 76 Lakhs Loan from General Insurance Corporation of India through G. O. M. for Purchase of Capital Fire Fight Equipments 1985-86. | 9½% | 65,86,666.66 | 70 | Rs. 150 lakhs Loan 1980-81 | 6½% | 1,50,00,000.00 |
| 35 | Rs. 51.97 Crores Loans for Affordable Low Income Shelter Programme B.U.D.P.-I. | 8½% | 8,78,80,059.00 | 71 | Total Div. III | | 20,52,50,000.00 |
| 36 | Rs. 1100 lakhs Loan 1986-87 | 11% | 11,00,00,000.00 | 72 | Budget 'A' Div. II (Subs. / Ext, Subs.) | | |
| 37 | Rs. 1000 lakhs Loan 1986-87 | 11% | 10,00,00,000.00 | 73 | Rs. 650 lakhs Loan 1981-82 | 7½% | 7,15,00,000.00 |
| 38 | Rs. 1354 lakhs Loan 1977-78 | 11% | 13,54,00,000.00 | 74 | Rs. 100 lakhs Loan 1981-82 | 7½% | 1,10,00,000.00 |
| 39 | Rs. 300 lakhs Loan 1987-88 | 11% | 3,00,00,000.00 | 75 | Rs. 500 Lakhs Loan 1981-82 | 7½% | 5,00,00,000.00 |
| | Total | | 2,05,32,74,906.88 | 76 | Rs. 775 lakhs Loan 1982-83 | 7½% | 8,52,50,000.00 |
| | Less ; Amount transferred to Budget 'G' | | -20,48,40,970.06 | | Rs. 500 lakhs Loan 1982-83 | 7½% | 5,00,00,000.00 |
| | Total Div. I | | 1,84,84,33,936.82 | | Total Div. II | | 26,77,50,000.00 |
| | | | | | Total | | 85,75,00,000.00 |
| | | | | | Less ; Amount transferred to Budget 'G' | | -2,89,30,210.00 |
| | | | | | Total Div. II & III | | 82,85,69,790.00 |
| | | | | | Budget 'A' Div. II (W. S.) | | |
| | | | | 77 | Rs. 800 lakhs Loan 1983-84 | 8½% | 8,80,00,000.00 |
| | | | | 78 | Rs. 1500 lakhs Loan 1984-85 | 9½% | 16,50,00,000.00 |
| | | | | 79 | Rs. 2200 Lakhs Loan 1985-86 | 9% | 22,00,00,000.00 |
| | | | | 80 | Rs. 1089 lakhs Loan 1986-87 | 11% | 10,89,00,000.00 |
| | | | | 81 | Rs. 600 lakhs Loan 1986-87 | 11% | 6,00,00,000.00 |
| | | | | 82 | Rs. 1870 lakhs Loan 1977-78 | 11% | 18,70,00,000.00 |
| | | | | | Total Div. II (W. S.) | | 82,89,00,000.00 |
| | | | | | Budget A Div. III (E. S.) | | |
| | | | | 83 | Rs. 400 lakhs Loan 1983-84 | 8½% | 4,00,00,000.00 |
| | | | | 84 | Rs. 500 lakhs Loan 1984-85 | 9% | 5,00,00,000.00 |
| | | | | 85 | Rs. 2000 Lakh Loan 1985-86 | 9½% | 20,00,00,000.00 |
| | | | | 86 | Rs. 1500 Lakhs Loan 1886-87 | 11% | 15,00,00,000.00 |
| | | | | 87 | Rs. 1500 lakhs Loan 1977-78 | 11% | 15,00,00,000.00 |
| | | | | | Total Div. III (E. S.) | | 59,00,00,000.00 |
| | | | | | Grand Total Budget 'A' | | 409,59,03,726.82 |

APPENDIX—15

(Consolidated)

Budgets 'A' and 'B'

Statement showing Receipts and Expenditure during the year 1987-88 and balance to the credit of the Municipal General Fund at the close of the year i. e. 31st March 1988.

| Account Heads | Division I (City) | | Division II (W.S.) | | Division III (E. S.) | | Total Budget 'A' | |
|--|----------------------|----|-----------------------|----|-------------------------|----|---------------------|----|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| BUDGET 'A' (Part I) | | | | | | | | |
| RECEIPTS | | | | | | | | |
| 1. (A) Revenue Account Receipts | | | | | | | | |
| 1. General Tax, Indirect Taxation and Miscellaneous Revenue | | | | | | | | |
| A—General Tax. | 23,09,31,770.77 | | 22,85,96,301.91 | | 8,72,66,644.81 | | 54,67,94,717.49 | |
| B—Octroi. | 2,55,12,79,616.91 | | .. | | .. | | 2,55,12,79,616.91 | |
| EB—Theatre Tax | 18,03,495.10 | | 9,86,232.75 | | 6,20,621.30 | | 34,10,349.15 | |
| C—Other Receipts | | | | | | | | |
| (a) Grant-in-Aid of Fees for land conveyance, Music etc. Licenses | 5,217.50 | | .. | | .. | | 5,217.50 | |
| (b) Grant-in-Aid in respect of Fines for Offences against the Law | .. | | .. | | .. | | .. | |
| (c) Interest and Profit on Investment of Surplus Loan and Other Balances | 7,14,09,705.86 | | 41,94,72.10 | | 6,51,473.09 | | 7,62,55,900.05 | |
| (d) Miscellaneous | 2,02,50,437.03 | | 31,49,164.47 | | 9,97,235.71 | | 2,43,96,837.21 | |
| (e) Receipts on account of Municipal Journal | 6,860.50 | | .. | | .. | | 6,860.50 | |
| D—Receipts on account of proportionate Cost of Collection of Education Cess | 7,72,465.23 | | 4,91,146.61 | | 2,94,976.98 | | 15,58,388.82 | |
| E—Rebate from Govt. on account of collection of Education Cess | .. | | .. | | .. | | .. | |
| | 2,87,64,59,568.90 | | 23,74,17,566.84 | | 8,98,30,951.89 | | 3,20,37,08,087.63 | |
| 2. Museums. | 2,25,859.92 | | .. | | .. | | 2,25,859.92 | |
| 3. Free Reading Rooms and Libraries. | 21,600.00 | | 7,472.57 | | 9,720.00 | | 38,792.57 | |
| 4. Municipal High School | 6,79,68,541.56 | | .. | | .. | | 6,79,68,541.56 | |
| 5. Street Cleansing, Conservancy and Halalkhore Services | 1,11,45,802.18 | | 29,18,379.61 | | 18,38,941.69 | | 1,59,03,123.48 | |
| 6. S. W. Drains etc. | 1,89,475.22 | | 1,95,723.78 | | 10,310.00 | | 3,95,509.00 | |
| 7. Mechanical and Electrical | 7,37,023.53 | | 9,28,971.67 | | 2,908.75 | | 16,68,903.95 | |
| 8. Buildings, Land Acquisition and Management. | | | | | | | | |
| A—Sale Proceeds of Land. | 1,20,761.14 | | .. | | .. | | 1,20,761.14 | |
| B—Other Receipts. | | | | | | | | |
| (a) Rent of Buildings. | 54,26,977.56 | | 4,37,388.16 | | 52,142.76 | | 59,16,508.48 | |
| (b) Ground Rent. | 17,23,396.91 | | 47,949.30 | | 44,821.32 | | 18,16,167.53 | |
| (c) Miscellaneous | 1,70,33,543.30 | | 4,21,27,403.45 | | 1,36,24,678.79 | | 7,27,85,625.54 | |
| (e) Sale of certified copy of B from | 68,171.00 | | .. | | .. | | 68,171.00 | |
| C—Contribution from Capital Funds on account of Special Land Acquisition Staff. | 73,300.94 | | .. | | .. | | 73,300.94 | |
| | 2,44,46,150.85 | | 4,26,12,740.91 | | 1,37,21,642.87 | | 8,07,80,534.63 | |
| 9. Fire Brigade | | | | | | | | |
| A—Fire Tax | 1,51,51,898.17 | | 1,43,64,244.79 | | 53,08,015.96 | | 3,50,24,158.92 | |
| B—Other Receipts | 2,11,686.77 | | 33,033.72 | | 3,783.00 | | 2,48,503.49 | |
| | 1,53,63,584.94 | | 1,43,97,278.51 | | 55,11,798.96 | | 3,52,72,662.41 | |
| 10. Licensing and Removal of Encroachments on Public Streets. | | | | | | | | |
| A—Licences for Dangerous and Offensive Trades | 1,97,88,511.53 | | 1,25,71,704.28 | | 92,22,629.88 | | 4,15,82,845.69 | |
| B—Removal of Encroachments on Public Streets etc. | 2,01,11,312.43 | | 80,13,810.13 | | 30,08,277.85 | | 3,11,33,400.41 | |
| C—Miscellaneous | 91,57,520.91 | | 25,19,175.93 | | 11,51,027.52 | | 1,28,27,724.36 | |
| | 4,90,57,344.87 | | 2,31,04,690.34 | | 1,33,81,935.25 | | 8,55,43,970.46 | |
| 11. Administration of Shops and Establishment Act 1948. | 18,98,723.35 | | 7,32,906.50 | | 5,39,828.65 | | 31,71,458.50 | |
| 12. Gardens and Open Spaces | 22,27,679.49 | | 16,75,486.90 | | 8,72,369.31 | | 47,75,535.70 | |
| 13. Markets | 2,99,49,825.38 | | 58,30,512.48 | | 43,62,874.93 | | 4,01,33,212.99 | |
| 14. Deonar Abatir. | .. | | .. | | 4,25,04,361.95 | | 4,25,04,361.95 | |

APPENDIX—15—(Contd.)

(Consolidated)

| Account Heads | Division I (City) | | Division II (W.S.) | | Division III (B. S.) | | Total Budget 'A' | |
|--|--------------------------|----|------------------------|----|-------------------------|----|--------------------------|----|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| Budget 'A' Receipts—(Contd.) | | | | | | | | |
| 15. Traffic Operations, Road and Bridges— | | | | | | | | |
| A—Wheel Tax .. | 1,91,06,120.00 | | 65,84,354.40 | | 34,37,805.62 | | 2,91,28,280.02 | |
| B—Contributions from Govt. in lieu of Tolls .. | 24,927.00 | | 20,637.00 | | .. | | 45,564.00 | |
| C—Other Receipts .. | 2,68,67,106.31 | | 1,13,97,030.40 | | 36,32,401.46 | | 4,18,96,538.17 | |
| D—Ferry Receipts .. | | | 5,11,058.63 | | .. | | 5,11,058.63 | |
| | 4,59,98,153.31 | | 1,85,13,080.43 | | 70,70,207.08 | | 7,15,81,440.82 | |
| 16. Contribution from Capital Funds to Revenue Account of Loan Works Staff .. | | | | | | | | |
| 17. Extra Ordinary Receipts .. | 49,12,033.92 | | 12,48,356.74 | | 17,39,885.69 | | 79,00,276.35 | |
| 18. Transfer from the B. E. S. & T. Fund .. | 1,14,493.74 | | .. | | .. | | 1,14,493.74 | |
| 19. Rebate from Government on Account of Collection of U. I. P. Tax, Education Cess levied Employment Guarantee, House Rep. etc. .. | | | | | | | | |
| 20. Receipts from Government on Account of Urban Immoveable Property Tax etc. .. | 56,94,531.00 | | 5,54,973.00 | | 8,66,572.00 | | 71,16,076.00 | |
| 21. Share in Entertainment Tax etc. .. | 1,00,00,000.00 | | .. | | .. | | 1,00,00,000.00 | |
| 22. Share in Non-Agricultural Assessment Tax .. | 2,31,21,398.00 | | .. | | .. | | 2,31,21,398.00 | |
| Total—Part I .. | 3,16,95,31,790.36 | | 35,01,28,140.28 | | 18,22,64,309.02 | | 3,70,19,24,239.66 | |
| Budget 'A' (Part-II) | | | | | | | | |
| 31. Public Health Department .. | | | | | | | | |
| 32. Medical Relief and Education .. | 41,15,183.30 | | 35,93,681.74 | | 13,99,305.89 | | 91,08,170.93 | |
| 33. Measures to Control Environmental Air Pollution in Greater Bombay .. | 1,67,18,727.88 | | 34,26,663.18 | | 29,22,093.66 | | 2,30,67,484.72 | |
| | 17,72,148.01 | | 24,49,401.92 | | 17,06,128.73 | | 59,27,678.66 | |
| Total—Part II .. | 2,26,06,059.19 | | 94,69,746.84 | | 60,27,528.28 | | 3,81,03,334.31 | |
| Total—(A) Revenue Receipts .. | 3,19,21,37,849.55 | | 35,95,97,887.12 | | 18,82,91,837.30 | | 3,74,00,27,573.97 | |
| (B) Capital Account Receipts— | | | | | | | | |
| Loan Funds—Capital Receipts— | | | | | | | | |
| Debt Principal—New Loans of 1987-88 .. | | | | | | | | |
| Advance from Surplus Monies for Financing Loan Works Expenditure Special Funds .. | 19,57,67,700.00 | | 18,70,00,000.00 | | 15,00,00,000.00 | | 53,27,67,700.00 | |
| Recoupment of Advances from Loan Funds for Purchase of Plant and Machinery .. | .. | | .. | | Dr. 1,72,94,336.65 | | Dr. 1,72,94,336.65 | |
| Non-recurring grant in aid for infrastructural Feed Compost Plant .. | 2,48,68,040.35 | | 39,06,842.76 | | 8,42,526.35 | | 2,96,18,309.46 | |
| Trust Fund— | | | | | .. | | .. | |
| Donations .. | 15,00,000.00 | | 10,78,000.00 | | .. | | 25,78,000.00 | |
| Govt. Share of the cost of Preliminary Expenses in connection with preparation of the Master Plan for Bombay City and Greater Bombay .. | 19,22,000.00 | | .. | | .. | | 19,22,000.00 | |
| Total—(B) Capital Receipts I+II .. | 22,40,58,640.35 | | 19,19,84,842.76 | | 13,35,48,189.70 | | 54,95,91,672.81 | |
| (C) Suspense Account Receipts— | | | | | | | | |
| I—Sinking and Special Fund Accounts— | | | | | | | | |
| Sinking Fund Account (Municipal) .. | | | | | | | | |
| Special Fund Account .. | 8,44,89,097.21 | | 10,10,69,892.65 | | 76,36,028.00 | | 19,31,95,017.86 | |
| | 70,72,08,191.16 | | 11,00,00,000.00 | | .. | | 81,72,08,191.16 | |
| Total—I (S and S. Funds) .. | 79,16,97,288.37 | | 21,10,69,892.65 | | 76,36,028.00 | | 1,01,04,03,209.02 | |
| II—Paper and Cash Accounts— | | | | | | | | |
| 1. Sinking Fund .. | 8,13,18,580.41 | | 11,00,34,598.47 | | .. | | 19,13,53,178.88 | |
| 2. Special Funds .. | 35,78,96,910.57 | | .. | | .. | | 35,78,96,910.57 | |
| 3. Surplus Fund .. | 53,67,12,106.11 | | 26,78,55,479.91 | | 22,11,50,400.00 | | 1,02,57,57,986.02 | |
| 4. Loan Fund .. | 67.62 | | 3,13,12,579.94 | | .. | | 3,13,12,647.56 | |
| 4A. Trust Fund .. | .. | | .. | | .. | | .. | |
| 5. State Bank of India and Other Local Banks on Account of Sundry Deposits .. | 5,90,58,02,468.36 | | 18,98,61,666.64 | | 6,49,11,948.97 | | 6,16,05,76,083.97 | |
| Total—II (Paper & Cash) .. | 6,88,17,30,133.07 | | 59,91,04,324.96 | | 28,60,62,348.97 | | 7,76,68,96,807.00 | |
| III—Other Suspense Accounts— | | | | | | | | |
| Deposits Accounts .. | | | | | | | | |
| Reserve Stores Account .. | 8,05,57,55,181.56 | | 58,67,12,465.39 | | 54,58,39,904.60 | | 9,18,83,07,551.55 | |
| Capital Stores Accounts .. | 10,41,91,722.18 | | .. | | .. | | 10,41,91,722.18 | |
| Purchase of Petrol and Diesel Oil .. | 17,31,79,675.21 | | .. | | .. | | 17,31,79,675.21 | |
| Advances to Public including Co-operative for Housing purposes .. | 68,92,704.28 | | 18,40,135.82 | | .. | | 87,32,840.10 | |
| Advances Departmental Works .. | 1,55,56,162.00 | | .. | | .. | | 1,55,56,162.00 | |
| Advances Dept. Works-Traffic Amenities .. | 1,01,77,978.60 | | 17,12,137.22 | | 44,10,575.72 | | 1,63,00,691.54 | |
| Advances Municipal Workshops .. | 1,01,72,626.07 | | 39,529.28 | | .. | | 1,02,12,155.35 | |
| Municipal Foundry .. | 16,91,136.94 | | 11,05,535.20 | | .. | | 27,96,672.14 | |
| World-Crushers .. | .. | | .. | | .. | | .. | |
| Mechanical Transport .. | 6,18,13,847.08 | | 2,71,81,097.50 | | .. | | 8,89,94,944.58 | |
| Asphalt Plant .. | 58,28,694.66 | | .. | | .. | | 58,28,694.66 | |

APPENDIX-15 (Contd.)

(Consolidated.)

| Account Heads | Division-I (City) | | Division-II (W. S.) | | Division-III (B. S.) | | Total Budget 'A' | |
|--|----------------------|----|------------------------|----|-------------------------|----|---------------------|----|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| Budget 'A' Receipts (Contd.) | | | | | | | | |
| Municipal Printing Press | 1,97,48,208.82 | | | | | | 1,97,48,208.82 | |
| Rota Printing Unit | 25,52,512.79 | | | | | | 25,52,512.79 | |
| Advances Private Works | 15,76,865.43 | | | | DR. 82,199.64 | | 14,94,665.79 | |
| Advances Private Works-Traffic Amenities | | | | | 18,407.94 | | 18,407.94 | |
| Reinstatement of Trenches | 1,36,21,070.62 | | 56,94,382.00 | | 38,13,501.17 | | 2,31,28,903.79 | |
| Advances Special Funds Welfare Fund II | 46,27,556.49 | | 1,52,575.00 | | 420.00 | | 47,80,551.49 | |
| Municipal Contractors | 3,37,103.57 | | DR. 4,76,299.49 | | 10,691.52 | | DR. 1,28,504.40 | |
| Municipal Tenderers | | | | | | | | |
| Sundry Advances Miscellaneous | 27,30,83,766.97 | | 11,27,83,254.76 | | 6,04,67,643.54 | | 44,63,34,667.27 | |
| Advances for Demolition of Unauthorised Structures and for removal of unsafe Buildings | 34,01,867.04 | | 43,363.43 | | 94,073.39 | | 35,39,303.86 | |
| Advances for conversion of Basket Privies etc. | | | | | | | | |
| Advances to Municipal Officers | | | | | | | | |
| (i) Standing advance for contingent exp. | 14,71,464.50 | | DR. 1,27,700.00 | | 1,300.00 | | 13,45,064.50 | |
| (ii) Motor Car a Motor Cycle to Officers.... | 12,11,630.46 | | 2,823.00 | | | | 12,14,453.46 | |
| (iii) Bicycles to Subordinate staff | 285.00 | | | | | | 285.00 | |
| Interest accrued But Not Paid: | 42,99,166.67 | | 45,44,925.00 | | 45,833.33 | | 88,89,925.00 | |
| Interest receivable Account | | | | | | | | |
| Provident Fund | 29,16,03,751.75 | | | | 43,47,805.17 | | 29,59,51,556.92 | |
| Pension Recovery cheques Payable e a/c. | 58,76,201.09 | | | | | | 58,76,201.09 | |
| Fines Fund | 31,029.64 | | | | | | 31,029.64 | |
| Fidelity Guarantee Insurance Fund | 3,070.17 | | | | | | 3,070.17 | |
| B.M.C. Loans Interest Warrants Payable A/c.... | 5,16,73,223.81 | | 9,84,76,630.72 | | | | 15,01,49,854.53 | |
| Dishonoured Cheques | 4,69,56,977.69 | | 2,90,93,717.65 | | 90,60,519.33 | | 8,51,11,214.67 | |
| Cash Bills Outstanding Accounts | 5,65,965.73 | | 1,35,828.29 | | 19,653.85 | | 7,21,447.87 | |
| Cheques Payable | 14,87,32,37,382.61 | | 1,07,72,16,172.16 | | 85,04,56,822.61 | | 16,80,09,10,377.38 | |
| Wages Deposit Account | | | | | | | | |
| Loan Redumption Fund Municipal | 4,95,78,955.12 | | | | | | 4,95,78,955.12 | |
| Repayment of Loans | | | | | | | | |
| Interest on B.M.C. Loans Payable Account | 6,500.00 | | 13,508.03 | | | | 20,008.03 | |
| Municipal Power Laundry | 75,28,259.82 | | | | | | 75,28,259.82 | |
| Advances from Surplus Monies for financing Loan Works Expenditure | | | | | 9,81,03,261.60 | | 9,81,03,261.60 | |
| Compost plant debt charges | | | | | | | | |
| Pension Fund | 30,17,38,672.31 | | | | | | 30,17,38,672.31 | |
| Gratuities Fund | 4,02,50,167.67 | | | | | | 4,02,50,167.67 | |
| Amounts transferred within Budget 'A' Divns. | 1,01,37,76,802.66 | | 1,02,22,39,490.90 | | 78,47,28,960.80 | | 2,82,07,45,254.36 | |
| Amounts transferred to Budget 'G' | 2,01,76,98,061.74 | | | | | | 2,01,76,98,061.74 | |
| Improving Common House Gullies | 1,72,773.70 | | | | | | 1,72,773.70 | |
| Contribution Receivable from Budget 'E' | 75,56,99,249.23 | | | | | | 75,56,99,249.23 | |
| Advance for Deposit with outside bodies | | | 10,361.08 | | | | 10,361.08 | |
| Unadjusted Reserve Stores Account Stock | 43,94,092.67 | | | | | | 43,94,092.67 | |
| Halfshore Services | | | | | | | | |
| Advances Special Funds for Purchase of Plant and Machinery | | | | | | | | |
| Municipal Debt Interest | | | 13,22,40,935.47 | | | | 13,22,40,935.47 | |
| Advances for unforseen works during draught period | | | | | | | | |
| Adv. for consolidation of passing in put compant. | | | | | | | | |
| Advances for Improvement of Private Streets | | | | | | | | |
| Total III-(Other Sup.) | 28,23,19,82,364.35 | | 3,10,06,34,818.41 | | 2,36,13,97,176.93 | | 33,69,39,34,359.69 | |
| Total (C) Suspense Receipts | 35,90,54,09,785.79 | | 3,91,08,09,036.02 | | 2,65,50,35,553.90 | | 42,47,12,54,375.71 | |
| Total Receipts Budget 'A' | 39,32,16,06,275.69 | | 4,46,23,91,765.90 | | 2,97,68,75,580.90 | | 46,76,08,73,622.49 | |
| Free Authority Budget | 38,01,437.34 | | | | | | 38,01,437.34 | |

APPENDIX-15—(Contd.)
(CONSOLIDATED)

| Account Heads | Improvement Scheme | | Slum Improvement | | Slum Clearance (City) | | Slum Clearance (Western & Eastern Suburbs) | | Total Budget 'B' | |
|--|------------------------|--------|------------------------|----|-----------------------|----|--|----|------------------------|--------|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| BUDGET 'B' RECEIPTS | | | | | | | | | | |
| (A) General Account Revenue | | | | | | | | | | |
| I Rent and other Proceeds of Properties. | 2,50,35,739.41 | | 6,14,19,748.83 | | 42,14,633.37 | | 9,63,607.92 | | 9,16,33,729.53 | |
| II Contribution from B. M. C. under section 125 (2) (d) of the B.M.C. Act. | 3,97,81,070.00 | | .. | | .. | | .. | | 3,97,81,070.00 | |
| IV Interest and Profit on Investments. | .. | | .. | | .. | | .. | | .. | |
| V Miscellaneous Receipts. | 14,16,101.18 | | .. | | .. | | 1,96,961.81 | | 16,13,062.99 | |
| VI Grant Assistance from Govt. of India for Improvement Slums. | .. | | .. | | .. | | .. | | .. | |
| VII Appropriation from Capital Account to meet the deficit | 4,32,34,843.27 | | .. | | 34,09,097.75 | | 51,75,628.73 | | 5,18,19,569.75 | |
| Contribution from Budget 'A' | .. | | 3,48,05,058.69 | | .. | | .. | | 3,48,05,058.69 | |
| Total (A) General Account Revenue. | 10,94,67,753.86 | | 9,62,24,807.52 | | 76,23,731.12 | | 63,36,198.46 | | 21,96,52,490.96 | |
| (B) Capital Account Receipts | | | | | | | | | | |
| Sale Proceeds of Lands, Building etc. | 12,05,062.03 | | .. | | .. | | 1,47,597.65 | | 13,52,659.68 | |
| Transfer of Revenue Surplus from General Account | .. | | .. | | .. | | .. | | .. | |
| New Loans raised during 1986-87. | .. | | .. | | .. | | .. | | .. | |
| Advances from Surplus Monies. | 4,79,56,543.93 | | 1,95,60,753.34 | | 53,51,426.22 | | 50,46,556.03 | | 7,79,15,279.52 | |
| Reimbursement from Maharashtra Slum Improvement Board | .. | | 2,55,23,046.00 | | .. | | .. | | 2,55,23,046.00 | |
| Reimbursement from Collector of Bombay Suburban District | .. | | 1,26,77,350.00 | | .. | | .. | | 1,26,77,350.00 | |
| Total (B) Capital Receipts | 4,91,61,605.96 | | 5,77,61,149.34 | | 53,51,426.22 | | 51,94,153.68 | | 11,74,68,335.20 | |
| (C) Suspense Account Receipts | | | | | | | | | | |
| I. Sinking and Special Funds Accounts | | | | | | | | | | |
| (a) Sinking Fund Account. | 60,51,486.95 | | 6,99,462.75 | | 22,04,401.89 | | 26,25,945.02 | | 1,15,81,296.61 | |
| (b) Investment Reserve Fund Accounts | 32,15,940.74 | | .. | | .. | | .. | | 32,15,940.74 | |
| (c) Rent Equalisation Fund Account | 12,01,816.27 | | .. | | .. | | .. | | 12,01,816.27 | |
| (d) Amenities Fund Account | 5,46,735.01 | | .. | | .. | | .. | | 5,46,735.01 | |
| Total I (S. and S. Funds) | 1,10,15,978.97 | | 6,99,462.75 | | 22,04,401.89 | | 26,25,945.02 | | 1,65,45,788.63 | |
| II Paper and Cash Account. | | | | | | | | | | |
| (a) Sinking Fund. | 1,50,09,357.12 | | 200.00 | | 6,19,209.79 | | 55,42,255.16 | | 2,11,71,022.07 | |
| (b) Capital Fund. | .. | | .. | | .. | | .. | | .. | |
| (c) Investment Reserve Fund. | .. | 100.00 | .. | | .. | | .. | | .. | 100.00 |
| (d) Rent Equalisation Fund. | .. | 26.25 | .. | | .. | | .. | | .. | 26.25 |
| (e) Amenities Fund. | .. | 16.62 | .. | | .. | | .. | | .. | 16.62 |
| Total II—(Papers & Cash) | 1,50,09,499.99 | | 200.00 | | 6,19,209.79 | | 55,42,255.16 | | 2,11,71,164.94 | |
| III—Other Suspense Accounts. | | | | | | | | | | |
| Loan Redemption Fund | 1,00,00,000.00 | | .. | | 2,68,080.22 | | 51,52,348.24 | | 1,54,20,428.46 | |
| B. I. T. Loans Interest Warrants Payable Account | .. | | .. | | .. | | .. | | .. | |
| Total—III (Other Susp.) | 1,00,00,000.00 | | .. | | 2,68,080.22 | | 51,52,348.24 | | 1,54,20,428.46 | |
| Total (C) Suspense Receipts | 3,60,25,478.96 | | 6,99,662.75 | | 30,91,691.90 | | 1,33,20,548.42 | | 5,31,37,382.03 | |
| Total Receipts—Budget 'B' | 19,46,54,838.78 | | 15,46,85,619.61 | | 1,60,66,849.24 | | 2,48,50,900.56 | | 39,02,58,208.19 | |

APPENDIX—15—(contd.)
(CONSOLIDATED)

| Account Heads | Division I (City) | | Division II (Western Suburbs) | | Division III (Eastern Suburbs) | | Total Budget 'A' | |
|--|----------------------|----|----------------------------------|----|-----------------------------------|----|---------------------|----|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| BUDGET 'A' (Part I) | | | | | | | | |
| EXPENDITURE | | | | | | | | |
| A) Revenue Account— | | | | | | | | |
| I—General Supervision, Collection of Revenue, etc. | | | | | | | | |
| A—General Superintendence | 10,81,64,219.01 | | 2,36,72,271.56 | | 1,69,83,766.99 | | 14,88,20,257.56 | |
| B—Collection of Revenue | 6,56,33,316.55 | | 1,64,13,115.83 | | 98,32,565.87 | | 8,18,78,998.25 | |
| C—Upkeep and guarding of Municipal Offices .. | 1,27,47,527.86 | | 34,99,119.20 | | 29,32,647.75 | | 1,91,79,294.81 | |
| D—General Stores | 35,74,902.24 | | | | | | 35,74,902.24 | |
| E—Legal Department | 61,89,758.60 | | 2,18,933.76 | | 86,809.26 | | 64,95,501.62 | |
| F—Miscellaneous Charges | 33,05,880.47 | | 5,31,226.63 | | 4,70,932.00 | | 43,08,039.10 | |
| G—Election Expenses | 6,05,196.17 | | | | | | 6,05,196.17 | |
| H—Provident Fund Charges | | | | | | | | |
| I—Debt Charges | 99,50,995.71 | | 41,76,734.50 | | 14,83,305.21 | | 1,56,11,035.42 | |
| J—Encouraging sports activities | 51,000.00 | | | | | | 51,000.00 | |
| K—Payment of Bank Commission Charges | 3,553.68 | | | | | | 3,553.68 | |
| | 20,02,26,350.29 | | 4,85,11,401.48 | | 3,17,90,027.08 | | 28,05,27,778.85 | |
| Deduct : Proportion of General Superintendence | 4,03,26,886.79 | | 1,34,70,894.91 | | 88,14,008.73 | | 6,26,11,790.43 | |
| | 15,98,99,463.50 | | 3,50,40,506.57 | | 2,29,76,018.35 | | 21,79,15,988.42 | |
| II—Museums— | | | | | | | | |
| A—Dr. Bhai Daji Lad Museum | 4,05,272.65 | | | | | | 4,05,272.65 | |
| B—Provident Fund Charges | | | | | | | | |
| C—Debt Charges | | | | | | | | |
| | 4,05,272.65 | | | | | | 4,05,272.65 | |
| III—Free Reading Rooms and Libraries— | | | | | | | | |
| A—Municipal Free Reading Rooms & Libraries .. | 11,21,631.02 | | 8,25,499.88 | | 4,05,910.00 | | 23,53,040.90 | |
| B—Provident Fund Charges | | | | | | | | |
| C—Debt Charges | 78,825.66 | | 280.90 | | | | 79,106.56 | |
| | 12,00,456.68 | | 8,25,780.78 | | 4,05,910.00 | | 24,32,147.46 | |
| —Municipal High Schools | | | | | | | | |
| A—Municipal High Schools | 7,13,65,905.79 | | | | | | 7,13,65,905.79 | |
| B—Provident Fund Charges | | | | | | | | |
| C—Pension Fund | 8,17,465.98 | | | | | | 8,17,465.98 | |
| | 7,21,83,371.77 | | | | | | 7,21,83,371.77 | |
| V—Street Cleaning, Conservancy and Halalkhore Service— | | | | | | | | |
| A—Street Cleaning and Conservancy | 2,49,09,388.72 | | 1,19,22,512.71 | | 87,34,459.65 | | 4,55,66,361.08 | |
| B—Collection, Loading, Removal and Disposal of Town Refuse | 22,28,40,420.94 | | 8,05,26,066.22 | | 5,27,96,242.94 | | 35,61,62,730.10 | |
| C—Halalkhore Service | 1,72,64,276.95 | | 1,94,24,570.49 | | 97,40,392.89 | | 4,64,29,240.33 | |
| D—Provident Fund Charges | | | | | | | | |
| E—Debt Charges | 37,67,713.66 | | 34,04,974.60 | | 29,24,612.58 | | 1,00,97,300.84 | |
| | 26,87,81,800.27 | | 11,52,78,124.02 | | 7,41,95,708.06 | | 45,82,55,632.35 | |
| VI—S.W. Drains— | | | | | | | | |
| A—Maintenance of S.W. Drains | 1,94,70,395.23 | | 2,28,95,251.55 | | 2,72,34,277.71 | | 6,95,99,924.49 | |
| B—Provident Fund Charges | | | | | | | | |
| C—Debt Charges | 84,14,697.96 | | 1,69,00,883.95 | | 86,87,502.25 | | 3,40,03,086.16 | |
| | 2,78,85,093.19 | | 3,97,96,137.50 | | 3,59,21,779.96 | | 10,36,03,010.65 | |
| VII—Mechanical and Electrical | | | | | | | | |
| A—Mechanical Engineer's Office Establishment .. | | | 5,53,272.08 | | | | 5,53,272.08 | |
| B—Maintenance of Electric Installations | 57,38,808.54 | | 7,91,572.45 | | 1,19,233.64 | | 66,49,614.63 | |
| C—Provident Fund Charges | | | | | | | | |
| D—Debt Charges | Cr. 1,98,534.36 | | 43,404.05 | | | | Cr. 1,55,130.31 | |
| E—Contribution to Motor Vehicle (T.P.) Insurance Fund | 3,89,825.37 | | | | | | 3,89,825.37 | |
| | 59,30,099.55 | | 13,88,248.58 | | 1,19,233.64 | | 74,37,581.77 | |

APPENDIX—15 (Contd.)

(Consolidated).

| Account Heads | Division I City | | Division II (W. S.) | | Division III (E. S.) | | Total Budget 'A' | |
|--|--------------------|----|------------------------|----|-------------------------|----|---------------------|----|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| BUDGET 'A' EXPENDITURE—(Contd.) | | | | | | | | |
| VII—Buildings, Land Acquisition and Management | | | | | | | | |
| A—City Engineer's Central Office Establishment | 70,86,181.52 | | 59,52,491.55 | | 37,06,465.68 | | 1,67,45,138.75 | |
| B—Inspection and Supervision of Private Buildings | 75,26,197.89 | | 20,93,628.20 | | 15,15,553.87 | | 1,11,35,379.96 | |
| C—Architectural | 7,07,076.06 | | | | | | 7,07,076.06 | |
| D—Land Acquisition and Management | 73,07,797.37 | | 7,25,427.61 | | 4,671.18 | | 80,37,896.16 | |
| E—Inspection and Supervision of Factories, Workshops and Work Places | 7,75,686.01 | | 7,73,873.40 | | 3,63,496.16 | | 19,13,055.57 | |
| F—Industrial Estates | 7,84,784.75 | | 4,00,213.00 | | | | 11,84,997.75 | |
| Development Plan & Town Planning | 53,79,487.06 | | | | 40,037.44 | | 54,19,524.50 | |
| H—Debt Charges | 1,55,73,936.77 | | 1,42,87,196.51 | | 53,14,514.63 | | 3,51,75,647.91 | |
| | 4,51,41,147.43 | | 2,42,32,830.27 | | 1,09,44,738.96 | | 8,03,18,716.66 | |
| Deduct—2½ Percent Supervision chargeable to Imp. Scheme A/c. | 1,34,007.10 | | | | | | 1,34,007.10 | |
| | 4,50,07,140.33 | | 2,42,32,830.27 | | 1,09,44,738.96 | | 8,01,84,709.56 | |
| IX—Fire Brigade— | | | | | | | | |
| A—Maintenance | 2,17,52,948.35 | | 45,22,303.96 | | 45,34,908.90 | | 3,08,10,161.21 | |
| B—Provident Fund Charges | | | | | | | | |
| C—Pension, Gratuities and Compassionate Allowances | 10,83,000.00 | | 2,48,580.00 | | 2,24,420.00 | | 15,56,000.00 | |
| D—Proportion of General Supervision and Collection of Revenue | 14,60,870.61 | | 4,72,017.41 | | 2,96,439.55 | | 22,29,327.57 | |
| E—Debt Charges | 73,98,181.14 | | 75,10,688.88 | | 9,86,163.19 | | 1,58,95,033.21 | |
| F—Contribution to Fire Brigade Employees Accident Compensation Fund | 1,00,000.00 | | | | | | 1,00,000.00 | |
| | 3,17,95,000.10 | | 1,27,53,590.25 | | 60,41,931.64 | | 5,05,90,521.99 | |
| X—Licensing and Removal of Encroachments on Public Streets | | | | | | | | |
| A—Licensing Establishment | 62,87,913.06 | | 27,74,479.40 | | 18,08,238.29 | | 1,08,70,630.75 | |
| B—Removal of Encroachment on Public Streets | 98,69,026.73 | | 33,83,916.39 | | 19,90,215.10 | | 1,52,43,158.22 | |
| C—Provident Fund Charges | | | | | | | | |
| D—Debt Charges | 1,24,514.86 | | | | | | 1,24,514.86 | |
| | 1,62,81,454.65 | | 61,58,395.79 | | 37,98,453.39 | | 2,62,38,303.83 | |
| XI—Administration of Shops and Establishment Act 1948 | | | | | | | | |
| A—Administration of Shops and Establishment Act 1948 | 33,71,754.19 | | 11,71,439.29 | | 7,49,139.20 | | 52,92,332.68 | |
| B—Provident Fund Charges | | | | | | | | |
| | 33,71,754.19 | | 11,71,439.29 | | 7,49,139.20 | | 52,92,332.68 | |
| XII—Gardens, Recreation Centres and Open Spaces | | | | | | | | |
| A—Gardens | 2,02,95,420.21 | | 92,42,531.71 | | 71,27,992.07 | | 3,66,65,943.99 | |
| B—New Gardens, Recreation Grounds, etc. | 98,564.38 | | 2,18,978.10 | | 66,727.04 | | 3,84,269.32 | |
| C—Open Air Theatres | 2,62,724.25 | | 3,39,595.45 | | | | 6,02,319.70 | |
| D—M. G. M. O. Swimming Pool | 8,74,232.12 | | | | | | 8,74,232.12 | |
| E—Krida Kendra and Social Welfare Centres | 6,05,599.75 | | | | | | 6,05,599.75 | |
| F—Sardar V. P. S. Pool Kandivali | | | 4,61,447.95 | | | | 4,61,447.95 | |
| G—Ghatkopar Lion's Municipal Swimming Pool | | | | | 5,37,539.07 | | 5,37,539.07 | |
| H—L. Dinanath Mangeshkar Natya Mandir | | | 8,64,262.04 | | | | 8,64,262.04 | |
| I—S. Pool Siddharth Nagar Goregaon | | | 4,69,996.70 | | | | 4,69,996.70 | |
| J—Provident Fund Charges | | | | | | | | |
| K—Debt Charges | 48,57,460.94 | | 1,52,40,799.94 | | 1,03,30,570.03 | | 3,04,28,830.91 | |
| L—Sportscomplex Swimming Pool Mulund | | | | | 11,52,065.52 | | 11,52,065.52 | |
| | 2,69,94,001.45 | | 2,68,37,611.89 | | 1,92,14,893.73 | | 7,30,46,507.07 | |
| XIII—Markets | | | | | | | | |
| A—Markets | 2,81,82,189.37 | | 73,86,459.34 | | 30,94,096.28 | | 3,86,62,724.99 | |
| B—Provident Fund Charges | | | | | | | | |
| C—Pension, Gratuities and Companionate Allowance | 8,84,000.00 | | 6,09,060.00 | | 1,26,460.00 | | 16,19,520.00 | |
| D—Proportion of General Supervision | 42,16,742.25 | | 11,45,939.94 | | 4,80,899.27 | | 58,43,581.46 | |
| E—Debt Charges | 63,86,477.94 | | 31,89,778.76 | | 6,28,042.27 | | 1,02,04,298.97 | |
| | 3,96,69,409.56 | | 1,23,31,218.04 | | 43,29,497.82 | | 5,63,30,125.42 | |

APPENDIX-15 (contd)
(CONSOLIDATED)

| Account Heads | Division I (City) | | Division II (W. S.) | | Division III (E. S.) | | Total Budget 'A' |
|--|--------------------------|----|------------------------|----|-------------------------|----|--------------------------|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. |
| BUDGET 'A' EXPENDITURE (Contd.) | | | | | | | |
| XIV—Deonar Abattoir | | | | | | | |
| A—Deonar Abattoir | | | | | 4,63,50,561.34 | | 4,63,50,561.34 |
| B—Provident Fund Charges | | | | | | | |
| C—Pension, Gratuities and Compassionate Allowance | | | | | 17,31,860.00 | | 17,31,860.00 |
| D—Proportion of General Supdt. | | | | | 7,69,672.21 | | 7,69,672.21 |
| B—Debt Charges | | | | | 59,00,727.77 | | 59,00,727.77 |
| | | | | | 5,47,52,821.32 | | 5,47,52,821.32 |
| XV—Traffic Operations, Roads and Bridges— | | | | | | | |
| A—General | 98,14,495.38 | | 55,72,552.65 | | 56,46,987.05 | | 2,10,34,035.08 |
| B—Traffic Planning and Operation | 33,00,981.02 | | 21,10,954.39 | | 90,965.82 | | 55,02,901.23 |
| C—Road, Bridge Planning and Design | 38,145.90 | | 50,326.29 | | 27,790.38 | | 1,16,262.57 |
| D—Road and Bridge Maintenance | 14,18,87,438.07 | | 12,17,58,020.90 | | 7,27,69,533.77 | | 33,64,14,992.74 |
| E—Rebate on account of compounded wheel tax permissible under section 185 of the B.M.C. Act | | | | | | | |
| F—Provident Fund Charges | | | | | | | |
| G—Debt Charges | 9,11,40,204.54 | | 8,59,99,117.73 | | 4,81,73,630.18 | | 22,53,12,952.45 |
| H—Proportionate Cost of Collection of Wheel Tax | 12,87,444.05 | | 8,18,577.69 | | 4,91,628.29 | | 25,97,648.03 |
| I—Lumpsum provision for payment of Commission charges and interest on I.B.R. D. Loan | | | | | | | |
| J—Lumpsum provision for repayment of I.B.R.D. Loan No. 1335 I. N. | | | | | | | |
| | 24,74,68,706.96 | | 21,63,09,549.65 | | 12,72,00,535.49 | | 59,09,78,792.10 |
| XVI—Contribution to— | | | | | | | |
| (a) Budget 'B' under section 125(2)(d) of the Bombay Municipal Corporation Act | 1,54,76,520.00 | | 2,07,30,430.00 | | | | 3,62,06,950.00 |
| (b) Budget 'E' under section 126C (e) of the Bombay Municipal Corporation Act | 3,86,91,290.00 | | 5,18,26,080.00 | | 2,17,60,620.00 | | 11,22,77,990.00 |
| (c) Budget 'E' (Special Contribution) under section 126C (e.1) of the Bombay Municipal Act | 43,00,00,000.00 | | | | | | 43,00,00,000.00 |
| (d) Fines and Welfare Fund | 42,03,045.85 | | 1,52,500.00 | | | | 43,55,545.85 |
| (e) Tree Authority Fund | 27,74,052.82 | | | | | | 27,74,052.82 |
| (f) Contribution to P. F. to meet the difference in interest allowed and that actually realised on investment of P. F. | 2,75,57,265.56 | | | | | | 2,75,57,265.56 |
| (g) Special Contribution to Budget B Slum Improvement to meet deficit in General Account | 3,48,05,058.69 | | | | | | 3,48,05,058.69 |
| | 55,35,07,232.92 | | 7,27,09,010.00 | | 2,17,60,620.00 | | 64,79,76,862.92 |
| XVII—Miscellaneous— | | | | | | | |
| (a) P. F. charges | 14,58,166.09 | | | | | | 14,58,166.09 |
| (b) Incentive Bonus | 9,412.00 | | | | | | 9,412.00 |
| (c) Pension Fund | 4,33,42,000.00 | | 3,75,69,890.00 | | 1,09,55,510.00 | | 9,18,67,400.00 |
| (d) Gratuity Fund | 22,72,711.17 | | | | | | 22,72,711.17 |
| (e) Deposit linked Insurance schemes | 21,99,734.00 | | | | | | 21,99,734.00 |
| Deduct: Proportionate Share | 22,23,264.00 | | | | | | 22,23,264.00 |
| | 4,70,58,759.26 | | 3,75,69,890.00 | | 1,09,55,510.00 | | 9,55,84,159.26 |
| XVIII—Measure for Civil Defence | 2,37,102.10 | | | | | | 2,37,102.10 |
| XIX—Contribution to Bombay Building Repairs and Reconstruction Board | 3,60,00,000.00 | | | | | | 3,60,00,000.00 |
| XX—Village amenities. | | | | | | | |
| A—Maintenance | | | 12,08,262.37 | | 12,68,054.46 | | 24,76,316.83 |
| Lump-sum provision for Staff Contingencies | | | | | | | |
| Lump-sum Provision for up-keep of old and Historical-monumental Bldgs. in the City | | | | | | | |
| Lump sum provision for Deposit linked Insurance Scheme | | | | | | | |
| XXI—Lump-Sum provision for unforeseen works at Rs. 1,00,000 in each constituency | 1,00,23,626.40 | | 86,90,143.13 | | 94,09,957.41 | | 2,81,23,726.94 |
| XXII—Lump-sum Provision for Past Liabilities | 1,00,00,000.00 | | | | | | 1,00,00,000.00 |
| XXIII—Lump Sum Provision for payment of Arrears on A/c. of Revision of Grades | 8,25,67,222.51 | | 1,79,61,305.88 | | 1,04,79,241.32 | | 11,10,07,769.71 |
| XXIV—Bombay Urban development Project | 1,44,756.82 | | | | | | 1,44,756.82 |
| XXVI—Lumpsum Provision for Exgratia Payment | 8,88,68,215.01 | | 1,98,37,550.96 | | 1,41,37,496.47 | | 12,28,43,262.44 |
| Total—Part-I | 1,77,52,79,939.87 | | 65,00,99,594.97 | | 42,86,61,541.22 | | 2,85,40,41,076.06 |

APPENDIX—15—(Contd.)
(CONSOLIDATED)

| Account Heads | Division I (City) | | Division II (W. S.) | | Division III (E. S.) | | Total Budget 'A' | |
|--|--------------------------|----|------------------------|----|-------------------------|----|--------------------------|----|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| BUDGET 'A' EXPENDITURE (Contd.) | | | | | | | | |
| Budget 'A' (Part II) | | | | | | | | |
| XXXI—Public Health Department— | | | | | | | | |
| A—General Superintendence | 4,25,78,927.32 | | 2,51,74,467.59 | | 1,70,87,504.48 | | 8,48,40,899.39 | |
| B—Supply of Milk to the under nourished needy children attending Municipal Schools | 27,98,512.54 | | 17,26,354.48 | | 30,13,621.29 | | 75,38,488.31 | |
| C—Provident Fund Charges | | | | | | | | |
| D—Malaria Eradication Programme | 11,97,733.61 | | 25,25,801.53 | | 7,30,302.07 | | 44,53,837.21 | |
| E—Impounding Stray Cattle | 7,54,637.00 | | 19,74,130.40 | | | | 27,28,767.40 | |
| G—Census | | | | | | | | |
| H—Filaria Programme | | | 4,30,839.82 | | 3,31,318.29 | | 7,62,158.11 | |
| I—Debt Charges | 24,63,245.81 | | 40,47,396.84 | | 18,13,038.80 | | 83,23,681.45 | |
| | 4,97,93,056.28 | | 3,58,78,990.66 | | 2,29,75,784.93 | | 10,86,47,831.87 | |
| XXXII—Medical Relief and Education— | | | | | | | | |
| A—Hospitals | 30,88,15,281.89 | | 10,03,38,790.58 | | 7,77,73,369.27 | | 48,69,27,441.74 | |
| B—Maternity Homes | 1,70,07,286.75 | | 1,42,31,718.83 | | 96,13,872.28 | | 4,08,52,877.86 | |
| C—Dispensaries | 1,40,47,680.29 | | 82,24,314.43 | | 62,23,671.26 | | 2,84,95,665.98 | |
| D—Medical Education | 6,32,05,606.71 | | 1,51,165.80 | | | | 6,33,56,772.51 | |
| E—Statutory Contributions to Government Medical Institutions | | | | | | | | |
| F—Clinic for treatment of Leprosy Cases | 17,64,000.00 | | 49,980.00 | | 22,990.00 | | 18,36,970.00 | |
| G—Grant-in-Aid to Public Institutions | 2,39,71,220.19 | | 3,86,247.75 | | 3,30,004.25 | | 2,46,87,472.19 | |
| H—Provident Fund Charges | | | | | | | | |
| I—Debt Charges | 6,00,56,940.51 | | 1,79,57,465.41 | | 83,15,463.99 | | 8,63,29,869.91 | |
| | 48,88,68,016.34 | | 14,13,39,682.80 | | 10,22,79,371.05 | | 73,24,87,070.19 | |
| XXXIII—Measures to Control Environmental Air Pollution in Greater Bombay— | | | | | | | | |
| A—Dy. City Engineer (Mech. & Elec.) Air pollution prevention office | 3,72,354.89 | | | | | | 3,72,354.89 | |
| B—Airpollution Prevention cell | 34,08,370.10 | | | | | | 34,08,370.10 | |
| C—Heath Survey Unit | 5,55,735.22 | | | | | | 5,55,735.22 | |
| D—Debt Charges | 15,14,163.35 | | | | | | 15,14,163.35 | |
| | 58,50,623.56 | | | | | | 58,50,623.56 | |
| Total—Part II | 54,45,11,696.18 | | 17,72,18,673.46 | | 12,52,55,155.98 | | 84,69,85,525.62 | |
| Total—(A) Revenue Expenditure | 2,31,97,91,636.05 | | 82,73,18,268.43 | | 55,32,16,697.20 | | 3,70,10,26,601.68 | |
| (B) Capital Account— | | | | | | | | |
| I—General Supervision, Collection of Revenue, etc. | 62,82,763.79 | | 5,05,999.61 | | | | 67,88,763.40 | |
| II—Free Reading Rooms and Libraries | | | 1,52,050.64 | | 20,70,294.77 | | 26,68,503.76 | |
| III—Street Cleansing and Conservancy etc., | 4,46,158.35 | | | | | | | |
| IV—S. W. Drains etc. | 4,99,28,170.67 | | 1,13,83,248.53 | | 1,94,66,892.68 | | 8,07,78,311.88 | |
| V—Mechanical and Electrical | | | | | | | | |
| VI—Buildings Land Acquisition and Management | Cr. 1,20,18,369.63 | | Cr. 1,64,18,395.44 | | Cr. 1,50,24,028.90 | | Cr. 4,34,60,793.97 | |
| VII—Fire Brigade | 12,17,557.84 | | Cr. 2,34,506.68 | | | | 9,83,051.16 | |
| VIII—Licensing, Removal of Encroachment etc. | | | | | | | | |
| IX—Gardens and Open Spaces | 33,78,740.15 | | 1,65,94,648.21 | | 85,74,608.03 | | 2,85,47,996.39 | |
| X—Markets | 44,03,498.74 | | 27,585.52 | | 25,38,379.09 | | 69,69,463.35 | |
| XI—Deonar Abattoir | | | | | 65,72,295.57 | | 65,72,295.57 | |
| XII—Village Amenities | | | 20,94,853.94 | | 45,42,710.79 | | 66,37,564.73 | |
| XIII—Industrial Estates | 73,753.54 | | | | | | 73,753.54 | |
| XIV—Centenary Celebration Works | | | 1,11,022.07 | | 99,826.11 | | 2,10,848.18 | |
| XV—Traffic Operations, Roads and Bridges | 5,59,28,194.92 | | 2,56,39,390.47 | | 3,53,14,085.06 | | 11,68,81,670.45 | |
| XVI—Works under B.U.D.P.I. | 1,99,69,226.89 | | | | | | 1,99,69,226.89 | |
| Power Laundry | | | | | | | | |
| Plant and Machinery out of Loan Funds | 1,19,91,686.08 | | 16,08,258.04 | | 1,39,070.80 | | 1,37,39,014.92 | |
| Suspense Account Mechanical Transport | 10,40,415.71 | | 1,96,061.19 | | | | 12,36,476.90 | |
| Plant and Machinery Purchased out of different Special Funds | | | | | | | | |
| Assets written off | | | | | | | | |
| Recoupment of Advance for Purchase of Capital Stores | | | | | | | | |
| Printing Press | Cr. 4,84,091.29 | | | | | | Cr. 4,84,091.29 | |
| Compost Plant | | | | | | | | |
| Slum Reallocation Programme on s/c. implementation Major Project. | 62,29,829.64 | | | | | | 62,29,829.64 | |
| Total—Part I | 14,83,87,535.40 | | 4,16,60,216.10 | | 6,42,94,134.00 | | 25,43,41,885.50 | |
| XXI—Public Health Department | 35,03,711.85 | | 9,05,856.73 | | 20,76,015.19 | | 64,85,583.77 | |
| XXII—Medical Relief and Education | 2,91,99,056.48 | | 57,01,328.09 | | 24,06,170.83 | | 3,73,06,555.40 | |
| XXIII—Measures to Control environmental Air Pollution in Greater Bombay. | 2,16,474.06 | | | | | | 2,16,474.06 | |
| Plant and Machinery out of Loan Fund | 1,64,05,363.92 | | 30,09,791.43 | | 12,57,281.38 | | 2,06,72,436.73 | |
| Total—Part II | 4,93,24,606.31 | | 96,16,976.25 | | 57,39,467.40 | | 6,46,81,049.36 | |
| Total Part-I and II | 19,77,12,141.71 | | 5,12,77,192.35 | | 7,00,33,601.40 | | 31,90,22,935.46 | |
| Trust Fund. | 9,62,194.39 | | 6,54,225.47 | | | | 16,16,419.86 | |
| Total—(B) Capital Expenditure | 19,86,74,336.10 | | 5,19,31,417.82 | | 7,00,33,601.40 | | 32,06,39,355.32 | |

APPENDIX - 15 (Contd.)
(CONSOLIDATED)

| Account Heads | Division I (Ct.) | | Division II (W. S.) | | Division III (B. S.) | | Total Budget 'A' | |
|--|--------------------------|----|------------------------|----|-------------------------|----|---------------------------|----|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| BUDGET 'A' EXPENDITURE (Contd.) | | | | | | | | |
| C) Expense Account | | | | | | | | |
| I—Sinking and Special Fund Accounts | | | | | | | | |
| Sinking Fund Account—Municipal .. | 5,97,87,288.02 | | | | | | 5,97,87,288.02 | |
| Special Fund Account .. | 51,58,09,010.45 | | 11,45,75,016.09 | | | | 63,03,84,026.54 | |
| Loan Redemption Fund .. | | | | | | | | |
| Total—I (S. and S. Funds) | 57,55,96,298.47 | | 11,45,75,016.09 | | | | 69,01,71,314.56 | |
| II—Paper and Cash Account | | | | | | | | |
| Sinking Fund .. | 10,60,20,389.60 | | 9,65,29,475.09 | | 76,36,028.00 | | 21,01,85,892.69 | |
| Special Fund .. | 27,32,67,796.89 | | | | | | 27,32,67,796.89 | |
| Surplus Fund .. | 53,85,44,523.54 | | 27,13,47,178.41 | | 22,50,00,000.00 | | 1,03,48,91,701.95 | |
| Loan Fund .. | 86.26 | | 17,13,66,004.88 | | 6,95,14,588.30 | | 23,48,80,659.44 | |
| State Bank of India and Other Local Banks on account of Sundry Deposits .. | 6,67,22,81,819.39 | | 18,98,00,010.47 | | 6,49,11,732.67 | | 7,12,69,93,562.53 | |
| Total—II (Papers and Cash) | 7,79,21,14,395.68 | | 72,90,42,668.79 | | 36,10,62,348.97 | | 8,88,22,19,613.44 | |
| III—Other Expense Accounts | | | | | | | | |
| Expense Account .. | 7,94,38,70,070.84 | | 54,43,44,504.31 | | 51,62,11,995.96 | | 9,00,44,26,571.11 | |
| Reserve Stores Account .. | 12,14,84,468.23 | | | | | | 12,14,84,468.23 | |
| Capital Stores Account .. | 15,28,24,644.07 | | | | | | 15,28,24,644.07 | |
| Capital Stores Account (Foras Road Depot) .. | Cr. 2,29,094.85 | | | | | | Cr. 2,29,094.85 | |
| Advances for purchase of Petrol and Diesel Oil .. | 74,89,646.51 | | 36,89,608.35 | | | | 1,11,79,254.86 | |
| Advances for Departmental Works .. | 3,15,61,247.55 | | 39,05,045.10 | | 54,77,770.51 | | 2,09,44,063.16 | |
| Advances for Private Works .. | 1,62,57,352.40 | | | | | | 1,62,57,352.40 | |
| Advances Private Works—Traffic Amenities .. | | | 1,38,114.06 | | 1,97,944.31 | | 3,86,058.37 | |
| Advances Departmental Works Traffic Amenities .. | | | | | 17,72,508.84 | | 17,72,508.84 | |
| Municipal Workshop .. | 1,51,00,664.74 | | 37,80,098.37 | | | | 1,88,80,763.11 | |
| Municipal Foundry .. | 21,43,131.99 | | | | | | 21,43,131.99 | |
| Worli Crusher .. | | | | | | | | |
| Mechanical Transport .. | 6,31,03,443.60 | | 3,58,07,751.82 | | | | 9,89,11,195.42 | |
| Asphalt Plant .. | 30,46,963.27 | | | | | | 30,46,963.27 | |
| Municipal Printing Press .. | 1,91,04,853.99 | | | | | | 1,91,04,853.99 | |
| Rosa Printing Unit .. | 21,96,918.60 | | | | | | 21,96,918.60 | |
| Advances Special Funds .. | 46,27,556.49 | | 82,500.00 | | 58,000.00 | | 47,68,056.49 | |
| Municipal Contractors .. | 4,26,525.52 | | 4,305.68 | | 1,00,000.00 | | 5,30,831.20 | |
| Advances for capitalisation of Int. on Loan .. | 68,85,627.00 | | | | | | 68,85,627.00 | |
| Advances for Demolition of Unauthorized Structures and Removal of unsafe Buildings .. | 13,96,574.18 | | 92,058.59 | | 4,96,678.01 | | 19,85,310.53 | |
| Advances to Public including Co-operatives for Housing purposes .. | 2,53,81,710.00 | | | | | | 2,53,81,710.00 | |
| Municipal Power Laundry .. | 75,59,524.25 | | | | | | 75,59,524.25 | |
| Advances to Municipal Officers .. | | | | | | | | |
| (i) Standing advance for contingent expenses .. | 15,00,778.00 | | 73,200.00 | | 11,175.44 | | 15,85,153.44 | |
| (ii) Motor car and motor cycle to Officers .. | 8,67,820.00 | | | | | | 8,67,820.00 | |
| (iii) Bicycles to Subordinate Staff .. | | | | | | | | |
| Advances, Sundry Advances Miscellaneous .. | 21,14,30,247.02 | | 7,72,25,901.44 | | 3,33,59,739.48 | | 32,40,15,887.94 | |
| Provident Fund .. | 29,16,03,751.75 | | | | 43,47,805.17 | | 29,59,51,556.92 | |
| Pension Fund .. | 30,17,38,672.31 | | | | | | 30,17,38,672.31 | |
| Gratuity Fund .. | 4,02,50,167.67 | | | | | | 4,02,50,167.67 | |
| Pension Recovery Cheques Payable A/C .. | 56,89,907.32 | | | | | | 56,89,907.32 | |
| Fines Fund .. | 31,029.64 | | | | | | 31,029.64 | |
| Fidelity Guarantee Insurance Fund .. | 3,070.17 | | | | | | 3,070.17 | |
| Restatement of Trenches .. | 1,10,90,131.08 | | 1,06,55,649.64 | | 28,37,095.48 | | 2,45,82,876.20 | |
| Advances from Surplus Monies for Financing Capital Works Expenditure .. | 7,79,15,279.52 | | | | 8,08,08,924.95 | | 15,87,24,204.47 | |
| Total—(C)—III—(Other Busp.) C/F | 9,34,63,52,682.81 | | 67,97,98,737.16 | | 64,76,79,638.15 | | 10,67,38,31,058.12 | |

APPENDIX-15 (Contd.)

(CONSOLIDATED)

| Account Heads | Division I (City) | | Division II (W.S.) | | Div. III (B.S.) | | Total (Budget 'A') | |
|---|----------------------|----|-----------------------|----|--------------------|----|-----------------------|----|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| Budget—'A' Expenditure—(Contd.) | | | | | | | | |
| Total—(C) III (Other Susp.) B/F | 9,34,63,52,682.81 | | 67,97,98,737.16 | | 64,76,79,638.15 | | 10,67,38,34,058.12 | |
| Disboured cheques. | 4,69,56,977.69 | | 2,90,93,717.65 | | 90,60,519.33 | | 6,51,11,214.67 | |
| Advances for Halalkhore Service. | .. | | .. | | .. | | .. | |
| Improving common House Gullies in the city.. | .. | | .. | | .. | | .. | |
| Advances for Improvement of Private streets. | .. | | .. | | .. | | .. | |
| Advances for Deposit with Outside Bodies. | 60,140.00 | | 4,100.00 | | 1,350.00 | | 65,590.00 | |
| Advance for Security Deposit with B. B. I. | .. | | .. | | .. | | .. | |
| Interest accrued but not paid | 8,32,638.88 | | 20,53,082.18 | | .. | | 128,85,721.06 | |
| Interest receivable Account. | .. | | .. | | .. | | .. | |
| Interest on Loans Payable Account | 22,465.00 | | 8,07,176.00 | | .. | | 8,29,641.00 | |
| B. M. C. Loans Interest Warrants Payable Account. | 5,16,72,428.31 | | 9,83,88,587.22 | | .. | | 15,00,61,015.53 | |
| Repayment of B. M. C. Loans | 4,95,78,955.12 | | 11,00,00,000.00 | | .. | | 15,95,78,955.12 | |
| Cash Bill Outstanding Account | 6,62,436.70 | | 1,51,275.52 | | 13,702.45 | | 8,27,414.67 | |
| Cheques Payable | 14,88,49,09,670.55 | | 1,06,45,64,552.04 | | 83,95,37,858.29 | | 16,78,90,12,080.88 | |
| Wages Deposit Account | .. | | .. | | .. | | .. | |
| Amount Transferred from Mun. General fund Budget A Div. I to Budget 'E' | 72,25,06,670.12 | | 59,39,44,773.71 | | 47,23,64,571.05 | | 1,78,88,16,014.88 | |
| Amount transferred to Budget 'G' | 1,46,04,58,780.26 | | .. | | .. | | 1,46,04,58,780.26 | |
| Amount transferred within Budget 'A' Divisions | 1,75,44,35,909.60 | | .. | | .. | | 1,75,44,35,909.60 | |
| Unadjusted Reserve Stores Account Stock. | 32,35,850.77 | | .. | | .. | | 32,35,850.77 | |
| Unadjusted Reserve Stores (Foras Road Depot) | .. | | .. | | .. | | .. | |
| Municipal Debt. Interest. | .. | | 13,22,40,935.47 | | .. | | 13,22,40,935.47 | |
| Advances Suspense Account accumulated Surplus Balance payable to Budget 'G' | .. | | .. | | .. | | .. | |
| Compost Plant debt. charges | .. | | .. | | 1,87,760.50 | | 1,87,760.50 | |
| Material Testing Lab. | 1,07,063.17 | | .. | | .. | | 1,07,063.17 | |
| Advances for consolidation of Passgein Pvt. Compounds. | .. | | .. | | .. | | .. | |
| Total—III (Other Susp.) | 28,32,17,92,668.98 | | 2,71,10,46,936.95 | | 1,96,88,45,399.77 | | 33,00,16,85,005.70 | |
| Total (C) Suspense Expenditure | 36,68,95,03,563.13 | | 3,55,46,64,621.83 | | 2,32,99,07,748.74 | | 42,57,40,75,933.70 | |
| Total Expenditure Budget 'A' | 39,20,79,69,535.28 | | 4,43,39,14,308.08 | | 2,95,38,58,047.34 | | 46,59,57,41,890.70 | |
| Tree Authority Budget | 38,01,437.34 | | .. | | .. | | 38,01,437.34 | |

Appendix—15 (Contd.)
(CONSOLIDATED)

| Account Heads | Improvement Scheme | | Slum Improvement | | Slum Clearance (City.) | | Slum Clearance (Western & Eastern Suburbs) | | Total Budget 'B' | |
|--|------------------------|----|------------------------|----|------------------------|----|--|----|------------------------|----|
| | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| BUDGET 'B' EXPENDITURE | | | | | | | | | | |
| IMPROVEMENT SCHEME ACCOUNT | | | | | | | | | | |
| (A) General Account Expenditure | | | | | | | | | | |
| A—Maintenance of Properties and Streets .. | 8,95,15,395.26 | | 9,46,10,273.52 | | 36,51,849.14 | | 21,10,459.46 | | 18,98,87,977.38 | |
| B—Cost of Management and Establishment .. | 2,44,32,220.80 | | ... | | ... | | ... | | 2,44,32,220.80 | |
| C—Proportionate Charges on account of Municipal Supervision .. | 1,13,03,226.73 | | ... | | ... | | ... | | 1,13,03,226.73 | |
| Deduct—Proportionate Share of Cost of Management & Establishment— | | | | | | | | | | |
| (a) General Account .. | Cr. 3,51,68,968.64 | | ... | | ... | | ... | | Cr. 3,51,68,968.64 | |
| (b) Capital Account .. | Cr. 5,66,478.89 | | ... | | ... | | ... | | Cr. 5,66,478.89 | |
| D—Debt Charges .. | 75,77,836.00 | | 16,14,534.00 | | 39,71,881.98 | | 42,25,739.00 | | 1,73,89,990.98 | |
| E—Lumpsum Provision for Deposit linked Insurance Scheme .. | 1,50,000.00 | | .. | | .. | | .. | | 1,50,000.00 | |
| F—Lump sum provision for payment of arrears due to revision of Grades. ... | 22,77,725.30 | | ... | | ... | | ... | | 22,77,725.30 | |
| G—Recurring Estt Cost on account of revision of grades. ... | 38,553.20 | | ... | | ... | | ... | | 38,553.20 | |
| H—Provident Fund charges .. | 1,05,570.00 | | ... | | .. | | .. | | 1,05,570.00 | |
| I—Incentive Bonus .. | 694.00 | | .. | | .. | | .. | | 694.00 | |
| J—Provision for exgratia. ... | 98,01,980.10 | | ... | | ... | | ... | | 98,01,980.10 | |
| Total (A) General Account Expenditure | 10,94,67,753.86 | | 9,62,24,807.52 | | 76,23,731.12 | | 63,36,198.46 | | 21,96,52,490.96 | |
| (B) Capital Account Expenditure | | | | | | | | | | |
| Improvement and Street etc. Schemes Expenditure. ... | 53,60,283.80 | | 5,77,61,149.34 | | 19,42,328.47 | | 18,524.95 | | 6,50,82,286.56 | |
| Proportionate Share of Cost of Management and Establishment. ... | 5,66,478.89 | | ... | | ... | | ... | | 5,66,478.89 | |
| Deficit in General Account— | 4,32,34,843.27 | | ... | | 34,09,097.75 | | 51,75,628.73 | | 5,18,19,569.75 | |
| Total (B) Capital Expenditure | 4,91,61,605.96 | | 5,77,61,149.34 | | 53,51,426.22 | | 51,94,153.68 | | 11,74,68,335.20 | |
| (C) Suspense Account Expenditure | | | | | | | | | | |
| I—Sinking etc. Fund Account | | | | | | | | | | |
| (a) Sinking Fund Account .. | 1,00,30,216.64 | | ... | | 6,638.61 | | 50,09,192.62 | | 1,50,46,047.87 | |
| Total—I (S. Fund) | 1,00,30,216.64 | | ... | | 6,638.61 | | 50,09,192.62 | | 1,50,46,047.87 | |
| II—Paper and Cash Accounts | | | | | | | | | | |
| (a) Sinking Fund. ... | 1,10,30,627.43 | | 6,99,662.75 | | 28,16,973.07 | | 31,59,007.56 | | 1,77,06,270.81 | |
| (b) Capital Fund. ... | .. | | .. | | .. | | .. | | .. | |
| (c) Investment Reserve Fund .. | 32,16,040.74 | | .. | | .. | | .. | | 32,16,040.74 | |
| (d) Rent Equalisation Fund. ... | 12,01,842.52 | | ... | | ... | | ... | | 12,01,842.52 | |
| (e) Amenities Fund. ... | 5,46,751.63 | | ... | | ... | | ... | | 5,46,751.63 | |
| Total—II (Papers and Cash) | 1,59,95,262.32 | | 6,99,662.75 | | 28,16,973.07 | | 31,59,007.56 | | 2,26,70,905.70 | |
| III—Other Suspense Account | | | | | | | | | | |
| Repayment of B. I. T. etc. Loans .. | 1,00,00,000.00 | | ... | | 2,68,080.22 | | 51,52,348.24 | | 1,54,20,428.46 | |
| B. I. T. Interest Warrants Payable Account. ... | ... | | ... | | ... | | ... | | .. | |
| Total—III (Other Susp.) | 1,00,00,000.00 | | ... | | 2,68,080.22 | | 51,52,348.24 | | 1,54,20,428.46 | |
| Total—(C) Suspense Expenditure | 3,60,25,478.96 | | 6,99,662.75 | | 30,91,691.90 | | 1,33,20,548.42 | | 5,31,37,382.03 | |
| Total Expenditure Budget 'B' | 19,46,54,838.78 | | 15,46,85,619.61 | | 1,60,66,849.24 | | 2,48,50,900.56 | | 39,02,58,208.19 | |

Appendix No. 15 (Contd.)
(Consolidated)

| RECEIPTS | | | | SUMMARY | | DISBURSEMENTS | | | |
|--------------------|--------------------|---------------------|--------------------|---|--|--------------------|--------------------|---------------------|--------------------|
| Division-I (City) | Division-II (W.S.) | Division-III (E.S.) | Total | ACCOUNTS | | Division-I | Division-II (W.S.) | Division-III (E.S.) | Total |
| Rs. P. | Rs. P. | Rs. P. | Rs. P. | | | Rs. P. | Rs. P. | Rs. P. | Rs. P. |
| 8,65,48,573.64 | 5,55,15,108.36 | 3,58,48,935.22 | 17,79,12,616.62 | Opening Balance as at 1st April 1987. | | | | | |
| | | | | Budget 'A' | | | | | |
| | | | | (A) Revenue Account | | 2,31,97,91,636.05 | 82,73,18,268.43 | 55,39,16,697.20 | 3,70,10,26,601.68 |
| 3,19,21,37,849.55 | 35,95,97,887.12 | 18,82,91,837.30 | 374,00,27,573.97 | (B) Capital Account | | 19,86,74,336.10 | 5,19,31,417.82 | 7,00,33,601.40 | 32,06,39,355.32 |
| 22,40,58,640.35 | 19,19,84,842.76 | 13,35,48,189.70 | 54,95,91,672.81 | (C) Suspense Account | | 36,68,95,03,563.13 | 3,55,46,64,621.83 | 2,32,99,07,748.74 | 42,57,40,75,933.70 |
| 35,90,54,09,785.79 | 3,91,08,09,036.02 | 2,65,50,35,553.90 | 4,247,12,54,375.71 | Total—Budget 'A' | | 39,20,79,69,535.28 | 4,43,39,14,308.08 | 2,95,38,58,047.34 | 46,59,57,41,890.70 |
| 39,32,16,06,275.69 | 4,46,23,91,765.90 | 2,97,68,75,580.90 | 46,76,08,73,622.49 | Tree Authority Budget. | | 38,01,437.34 | .. | .. | 38,01,437.34 |
| 38,01,437.34 | .. | .. | 38,01,437.34 | Budget 'B' | | | | | |
| | | | | (A) General Account | | 21,96,52,490.96 | .. | .. | 21,96,52,490.96 |
| 21,96,52,490.96 | .. | .. | 21,96,52,490.96 | (B) Capital Account | | 11,74,68,335.20 | .. | .. | 11,74,68,335.20 |
| 11,74,68,335.20 | .. | .. | 11,74,68,335.20 | (C) Suspense Account | | 5,31,37,382.03 | .. | .. | 5,31,37,382.03 |
| 5,31,37,382.03 | .. | .. | 5,31,37,382.03 | Total—Budget 'B' | | 39,02,58,208.19 | .. | .. | 39,02,58,208.19 |
| 39,02,58,208.19 | .. | .. | 39,02,58,208.19 | Total Budgets 'A' + 'B' + TA | | 39,60,20,29,180.81 | 4,43,39,14,308.08 | 2,95,38,58,047.34 | 46,98,98,01,536.23 |
| 39,71,36,65,921.22 | 4,46,23,91,765.90 | 2,97,68,75,580.90 | 47,15,49,33,268.02 | Closing Balance as at 31st March 1988 as reconciled below* with the Cash Position | | 20,01,85,313.45 | 8,39,92,566.18 | 5,88,66,468.78 | 34,30,44,348.41 |
| .. | .. | .. | .. | GRAND TOTAL | | 39,80,22,14,494.26 | 4,51,79,06,874.26 | 3,01,27,24,516.12 | 47,33,28,45,884.64 |
| 39,80,22,14,494.26 | 4,51,79,06,874.26 | 3,01,27,24,516.12 | 47,33,28,45,884.64 | *Bank Reconciliation : | | | | | |
| | | | | Balance as per Bank's Pass Book | | 6,53,44,367.65 | 2,85,51,178.41 | 1,31,60,976.33 | 10,70,56,522.39 |
| | | | | Add : Revenue sent to the Bank of 31st March 1988 but acknowledged on 1st April 1988. | | 1,73,77,103.37 | 78,65,321.89 | 1,12,96,964.80 | 3,65,39,390.06 |
| | | | | Less : Uncashd Cheques | | 8,80,12,073.19 | 2,73,00,392.20 | 1,92,25,054.62 | 13,45,37,520.01 |
| | | | | Total Bank Position. | | Dr.52,90,602.17 | 91,16,108.10 | 52,32,886.51 | 90,58,392.44 |
| | | | | Balance in Bank as per Day Book (Column No. 10)— | | | | | |
| | | | | Balance in Office, in Government Promissory Notes etc. | | 4,59,894.55 | 24,88,153.00 | 9,87,730.00 | 39,35,779.55 |
| | | | | Balance in Office in Cash | | .. | 14,640.12 | 5,049.72 | 19,689.84 |
| | | | | Collection kept in office Treasury | | 20,50,16,021.07 | 7,23,73,662.96 | 5,26,40,802.55 | 33,00,30,486.58 |
| | | | | Total—Office Position | | 20,54,75,915.62 | 7,48,76,458.08 | 5,36,33,582.27 | 33,39,85,955.97 |
| | | | | Closing Balance as at 31st March 1988 as shown at above. | | 20,01,85,313.45 | 8,39,92,566.18 | 5,88,66,468.78 | 34,30,44,348.41 |

APPENDIX No. 27

IMPROVEMENT SCHEMES

General Account for the year ending 31st March 1988

| Particulars | Amount | Particulars | Amount |
|---|--------------|---|--------------|
| | Rs. | | Rs. |
| To Revenue Expenditure as per Appendix No. 35 | 10,94,67,753 | By Revenue Receipts as per Appendix No. 31 | 6,62,32,910 |
| | | Balance being deficit transferred to Capital Account Balance Sheet. | 4,32,34,843 |
| Total | 10,94,67,753 | Total | 10,94,67,753 |

APPENDIX No. 28

Slum Clearance Account—(City) General Account for the year ending 31st March 1988.

| Particulars | Amount | Particulars | Amount |
|---|-----------|---|-----------|
| | Rs. | | Rs. |
| To Revenue Expenditure as per Appendix 36 | 76,23,731 | By Revenue Receipts under— I—Rent and other proceeds of properties. II—Interest and Profits on Investments IV—Transfer of excess on Sinking Fund | 42,14,633 |
| | | Balance being Deficit transferred to Capital Account Balance Sheet. | 34,09,098 |
| Total | 76,23,731 | Total | 76,23,731 |

APPENDIX No. 29

Slum Clearance Account—(Western and Eastern Suburbs) General Account for the year ending 31st March 1988.

| Particulars | Amount | Particulars | Amount |
|---|-----------|---|-----------|
| | Rs. | | Rs. |
| To Revenue Expenditure as per Appendix 37 | 63,36,199 | By Revenue Receipts under— (a) Rents and other proceeds properties. (b) Receipts from Social Welfare Centre at S. G. Barve Nagar. | 9,49,661 |
| | | II—Interest and Profits on Investments III—Miscellaneous Receipts | 13,947 |
| | | Balance being Deficit transferred to Capital Account Balance Sheet | 1,96,962 |
| Total | 63,36,199 | Total | 51,75,629 |
| | | | 63,36,199 |

APPENDIX No. 30.

Improvement Schemes Account Slum Improvement General Account for the year ending 31st March 1988.

| Particulars | Amount | Particulars | Amount |
|--|-------------|--|-------------|
| | Rs. | | Rs. |
| To Revenue Expenditure as per Appendix No. 38 .. | 9,62,24,808 | By Revenue Receipts as per Appendix No. 34 under | |
| | | (i) Hutment Colony .. | 6,14,19,749 |
| | | (ii) Contribution from Budget 'A' | 3,48,05,059 |
| | | (iii) Subsidy for meeting the deficit | ... |
| Total .. | 9,62,24,808 | Total .. | 9,62,24,808 |

3403-Div.-I

APPENDIX No. 99.
IMPROVEMENT SCHEMES
Capital Account Balance Sheet as on 31st March 1988.

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| LIABILITIES | | Amount | ASSETS | | Amount |
|--|----|-----------------|---|-----|-----------------|
| Rs. | P. | Rs. | Rs. | Rs. | Rs. |
| Outstanding— | | | Block Account— | | |
| Details as shown in Appendix No. 52) ... | | 8,50,00,000.00 | Property and Assets at original cost as per Appendix No. 43 ... | | 42,99,25,220.62 |
| Redemption Fund ... | | 19,55,10,489.06 | Less—Assets Credited by— | | |
| Advance from Surplus Money ... | | 21,74,41,211.17 | (1) Transfer of Sinking Fund Accumulations in respect of Rs. 370 lakhs loan† ... | | 25,07,830.00 |
| | | | (2) Special grants from the Government of India ... | | 54,00,000.00 |
| | | | (3) Premia on loans raised in 1935-36 ... | | 30,000.00 |
| | | | (4) Grant-in-Aid from Govt. of Bombay part expenditure of Acquisition of Land ... | | 5,00,000.00 |
| | | | (5) Sale proceeds of Land and Building ... | | 10,01,07,672.12 |
| Book value of land comprised in Schedule 'W' and 'X' ... | | 47,58,490.00 | Book value of land comprised in Schedule 'W' & 'X' as per Appendix No. 47 (Section 97A of B.M.C. Act) ... | | 47,58,490.00 |
| Sinking Fund on Loans ... | | 5,82,73,381.76 | Investments— | | |
| Special Funds— | | | * Sinking Fund In Paper & Cash as per Appendix No. 48 ... | | 5,82,73,381.76 |
| Investment Reserve Fund ... | | 3,99,94,203.38 | † Investment Reserve Fund In Securities & Cash ... | | 3,99,94,203.38 |
| Amenities Fund ... | | 61,53,070.34 | † Amenities Fund In Securities & Cash ... | | 61,53,070.34 |
| Rent Equalisation Fund ... | | 1,70,29,028.34 | † Rent Equalisation Fund In Securities & Cash ... | | 1,70,29,028.34 |
| Less— | | | Capital Fund— | | |
| Revenue Deficit : | | | In Fixed Deposit ... | | ... |
| Deficit upto 31st March 1988 ... | | 13,73,37,138.46 | In Cash ... | | ... |
| Add—Deficit during 1987-88 ... | | 4,32,34,843.27 | | | |
| Total ... | | 44,35,87,892.32 | Total ... | | 44,35,87,892.32 |

† For Face, Book and Market Value of Securities held in the Sinking Funds on 31st March 1988, please see Appendix No. 55.

† Being the Sinking Fund accumulations in respect of the Loan of Rs. 370 Lakhs taken by the late Bombay Improvement Trust out of Bombay Development Corporation Transferred to Capital Accounts as the Loan is converted into a fresh Loan repayable in equated annual instalments vide C.R. No. 94 of 4th May 1936.

†† Comparison of Face, Purchase and Market Values as on 31st March 1988 of the different Securities held in the following Funds.

| †† Particulars of Securities | Face Value | Purchase rate per cent | Actual cost at purchase rate | Market rate per cent | Market Value |
|--|--------------------|------------------------|------------------------------|----------------------|-----------------------|
| | Rs. | | Rs. P. | | Rs. P. |
| Investment Reserve Fund. | | | | | |
| 6% Rs. 400 Lakhs Budget 'A', Div.-I Loan 1972-73 ... | 13,31,500 | Par | 13,31,500.00 | Pa | 13,31,500.00 |
| 6.1/4% Rs. 75 Lakhs Slum City Loan 1975-76 ... | 12,51,900 | Par | 12,51,900.00 | Pa | 12,51,900.00 |
| 6.1/4% Rs. 50 Lakhs Slum Suburbs Loan 1977-78 ... | 12,92,600 | Par | 12,92,600.00 | Par | 12,92,600.00 |
| 7.1/2% Rs. 600 Lakhs Budget 'A', Div.-I Loan 1982-83 ... | 13,71,400 | Par | 13,71,400.00 | Par | 13,71,400.00 |
| 8.3/4% Rs. 400 Lakhs Budget 'A', Div.-III Loan 1983-84 ... | 2,86,15,800 | Par | 2,86,15,800.00 | Par | 2,86,15,800.00 |
| 9.3/4% Rs. 2,000 Lakhs Budget 'A', Div.-III Loan 1985-86 ... | 29,15,000 | Par | 29,15,000.00 | Par | 29,15,000.00 |
| 9.3/4% Rs. 2,000 Lakhs Budget 'A', Div.-I Loan 1985-86 ... | 16,51,100 | Par | 16,51,100.00 | Par | 16,51,100.00 |
| 11% Rs. 1,000 Lakhs Budget 'A', Div.-I Loan 1986-87 ... | 15,64,900 | Par | 15,64,900.00 | Par | 15,64,900.00 |
| Total ... | 3,99,94,200 | | 3,99,94,200.00 | Par | 3,99,94,200.00 |
| Amenities Fund. | | | | | |
| 6% Rs. 50 Lakhs Budget 'B' Loan 1966-67 ... | 1,97,900 | Par | 1,97,900.00 | Par | 1,97,900.00 |
| 6.1/4% Rs. 75 Lakhs Slum City Loan 1975-76 ... | 1,84,400 | Par | 1,84,400.00 | Par | 1,84,400.00 |
| 6.1/4% Rs. 50 Lakhs Slum Suburbs Loan 1977-78 ... | 2,49,700 | Par | 2,49,700.00 | Par | 2,49,700.00 |
| 7% Rs. 500 Lakhs Budget 'A' & Div.-I Loan 1981-82 ... | 59,500 | Par | 59,500.00 | Par | 59,500.00 |
| 7.1/2% Rs. 600 Lakhs Budget 'A', Div.-I Loan 1982-83 ... | 2,63,200 | Par | 2,63,200.00 | Par | 2,63,200.00 |
| 8.3/4% Rs. 400 Lakhs Budget 'A', Div.-III Loan 1983-84 ... | 42,13,800 | Par | 42,13,800.00 | Par | 42,13,800.00 |
| 9.3/4% Rs. 2,000 Lakhs Budget 'A', Div.-III Loan 1985-86 ... | 4,37,800 | Par | 4,37,800.00 | Par | 4,37,800.00 |
| 9.3/4% Rs. 2,000 Lakhs Budget 'A', Div.-I Loan 1985-86 ... | 3,09,600 | Par | 3,09,600.00 | Par | 3,09,600.00 |
| 11% Rs. 1,000 Lakhs Budget 'A', Div.-I Loan 1986-87 ... | 2,37,100 | Par | 2,37,100.00 | Par | 2,37,100.00 |
| Total ... | 61,53,000 | | 61,53,000.00 | | 61,53,000.00 |
| Rent Equalisation Fund. | | | | | |
| 6% Rs. 250 Lakhs Budget 'A', Div.-I Loan 1966-67 ... | 1,31,45,200 | Par | 1,31,45,200.00 | Par | 1,31,45,200.00 |
| 6% Rs. 400 Lakhs Budget 'A', Div.-I Loan 1972-73 ... | 4,12,300 | Par | 4,12,300.00 | Par | 4,12,300.00 |
| 6.1/4% Rs. 50 Lakhs Slum Suburbs Loan 1977-78 ... | 5,72,500 | Par | 5,72,500.00 | Par | 5,72,500.00 |
| 7% Rs. 500 Lakhs Budget 'A', Div.-I Loan 1981-82 ... | 1,78,200 | Par | 1,78,200.00 | Par | 1,78,200.00 |
| 7.1/2% Rs. 600 Lakhs Budget 'A', Div.-I Loan 1982-83 ... | 6,02,700 | Par | 6,02,700.00 | Par | 6,02,700.00 |
| 9.3/4% Rs. 2,000 Lakhs Budget 'A', Div.-III Loan 1985-86 ... | 9,16,300 | Par | 9,16,300.00 | Par | 9,16,300.00 |
| 9.3/4% Rs. 2,000 Lakhs Budget 'A', Div.-I Loan 1985-86 ... | 7,03,700 | Par | 7,03,700.00 | Par | 7,03,700.00 |
| 11% Rs. 1,000 Lakhs Budget 'A', Div.-I Loan 1986-87 ... | 4,98,100 | Par | 4,98,100.00 | Par | 4,98,100.00 |
| Total ... | 1,70,29,000 | | 1,70,29,000.00 | | 1,70,29,000.00 |

APPENDIX No. 40

Slum Clearance City

Capital Account Balance Sheet as on 31st March 1988.

| LIABILITIES | Amount | ASSETS | Amount |
|---|-----------------|---|----------------|
| | Rs. P. | | Rs. P. |
| Loan Outstanding (Vide details as shown in Appendix-53) | 4,79,15,586.74 | Block Account— | |
| Subsidy from Government ... | 1,06,52,426.00 | Property and Assets at original cost as per Appendix No. 44 ... | 5,96,36,698.61 |
| Sale proceeds upto 31st March 1988 ... | 33,028.68 | Investment— | |
| Sinking Fund on Loans ... | 2,18,49,793.33 | Sinking Fund as per Appendix No. 49 | 2,18,49,793.33 |
| Loan Redemption Fund ... | 1,46,85,329.26 | Capital Fund— | |
| Advances from Surplus monies ... | 4,95,15,588.87 | In Fixed Deposit ... | |
| | 14,46,51,752.88 | Cash ... | |
| <i>Less—</i> | Rs. P. | | |
| Revenue Deficit— | | | |
| Deficit upto 31st March 1987 | 5,97,56,163.19 | | |
| <i>Add—</i> Deficit during 1987-88 | 34,09,097.75 | | |
| | 6,31,65,260.94 | | |
| Total ... | 8,14,86,491.94 | Total ... | 8,14,86,491.94 |

APPENDIX No. 41

Slum Clearance Suburbs and Extended Suburbs

Capital Account Balance Sheet as on 31st March 1988.

| LIABILITIES | Amount | ASSETS | Amount |
|--|-----------------|---|----------------|
| | Rs. P. | | Rs. P. |
| Loan Outstanding (Appendix No. 53) | 4,68,86,481.85 | Block Account— | |
| Subsidy from Government ... | 57,82,779.00 | Property and Assets at original cost as per Appendix No. 45 ... | 4,54,63,466.50 |
| Sinking Fund on loans ... | 2,14,15,141.15 | Investment— | |
| Sale proceeds upto 31st March 1988 ... | 46,48,605.56 | Sinking Fund as per Appendix No. 50 | 2,14,15,141.15 |
| Loan Redemption Fund ... | 68,06,495.15 | Capital Fund— | |
| Advances from Surplus Monies ... | 4,45,85,524.48 | In Fixed Deposit ... | |
| | 13,01,25,027.19 | Cash ... | |
| <i>Less—</i> | Rs. P. | | |
| Revenue Deficit— | | | |
| Deficit upto 31st March 1987 | 5,80,70,790.81 | | |
| <i>Add—</i> Deficit during 1987-88 | 51,75,628.73 | | |
| | 6,32,46,419.54 | | |
| Total ... | 668,78,607.65 | Total ... | 6,68,78,607.65 |

APPENDIX No. 42

Slum Improvement

Capital Account Balance Sheet as on 31st March 1988.

| LIABILITIES | Amount | ASSETS | Amount |
|---|-----------------|---|-----------------|
| | Rs. P. | | Rs. P. |
| Loan Outstanding (Appendix No 54) | 2,00,00,000.00 | Block Account— | |
| Sinking Fund on Loan ... | 55,99,013.00 | Property and Assets at original cost as per Appendix No. 46 ... | 36,70,83,303.44 |
| Reimbursement of Capital expenditure from B.H. & AD. Board | 12,68,75,663.21 | Investment— | |
| Receipt from the Collector of Bombay & B.S.D. for M.L.A. Works ... | 5,08,52,450.00 | Sinking Fund as per Appendix No. 51 | 55,99,013.00 |
| Receipt from Government of Maharashtra for demolition and reconstruction of A.P./W.C. Works ... | 100,00,000.00 | Capital Fund— | |
| Advance from Surplus Monies ... | 15,93,55,190.23 | In Fixed Deposit ... | |
| | 37,26,82,316.44 | Cash ... | |
| Total ... | 37,26,82,316.44 | Total ... | 37,26,82,316.44 |

IMPROVEMENT SCHEMES

Block account showing details of Capital Expenditure upto 31st March 1988.

| Particulars | Total Capital Expenditure upto 31st March 1987 | Expenditure during 1987-88 | Total Capital Expenditure upto 31st March 1988 | Particulars | Total Capital Expenditure upto 31st March 1987 | Expenditure during 1987-88 | Total Capital Expenditure upto 31st March 1988 |
|--|--|----------------------------|--|--|--|----------------------------|--|
| | Rs. | Rs. | Rs. | | Rs. | Rs. | Rs. |
| CAPITAL ACCOUNT | | | | Brought over | 37,79,18,401 | 17,84,724 | 37,97,03,125 |
| Improvement and Scheme | | | | Housing Accommodation Acquisition of land at Mogra for shifting potter from Dharavi to Jogeshwari | 1,21,19,982 | .. | 1,21,19,982 |
| Schedule W Lands | 13,45,571 | .. | 13,45,571 | Const. of 100' wide Rd. from Edward to Jakeria Bunder Road—Acquisition of Port Trust land by B. M. C. | 5,74,346 | .. | 5,74,346 |
| Schedule X Lands | 16,26,471 | .. | 16,26,471 | Acquisition of Land in Survey No. 125, Hissal, Squatters Nos. 130-136 of Eksar Pahad for housing of dishoused tenants as well as displaced Industries in execution of its sanctioned Schemes | 28,08,780 | .. | 28,08,780 |
| Schedule Z Lands | .. | .. | .. | Acquisition of land at Borla Village. | 94,149 | .. | 94,149 |
| Scheme No. | | | | Acquisition of land bearing C. S. No. 1325 (Part) and 11325 Lower Part Division for housing dishoused persons as a result of Municipal Scheme | 70,55,279 | 5,59,967 | 76,55,240 |
| 1 First Nagpada | 29,16,099 | .. | 29,16,099 | Acquisition of land at Poisar and Kendivali in Survey No. 94 and 95 (Part) of Poisar Survey Nos. 126 and 128 and 129 (Part) of Kandivli | 3,51,977 | .. | 3,51,977 |
| 2 Princess Street | 85,08,865 | .. | 85,08,865 | Taking over explosion victims tenements S P Sheds at Shantinagar Arthur Road etc. | 4,84,801 | .. | 4,84,801 |
| 3 Sandhurst Road | 1,16,02,375 | .. | 1,16,02,375 | Acquisition of land bearing C. S. No. 93(1/7), 94(8) 16(8), 16(9), 94(7) of Borla Village for road of Municipal Housing | 7,60,000 | 35,82,078 | 43,42,078 |
| 4 Gamdevi | 22,88,002 | .. | 22,88,002 | Bpolice Accommodation Schemes, Scheme No. | 40,23,90,044 | 59,26,763 | 40,83,16,807 |
| 5 Dadar-Matunga | 1,00,53,384 | .. | 1,00,53,384 | 14 First Nagpada | 84,450 | .. | 84,450 |
| 6 Sion-Matunga | 2,06,31,826 | .. | 2,06,31,826 | 16 Wdchouse Road | 3,22,667 | .. | 3,22,667 |
| 7 Colaba Reclamation | 4,78,538 | .. | 4,78,538 | 17 Duncar Road | 58,981 | .. | 58,981 |
| 8 Mandvi Koliwada | 26,52,501 | .. | 26,52,501 | 18 Shepherd Road | 36,223 | .. | 36,223 |
| 11 Agripada | 3,127 | .. | 3,127 | 19 Agripada | 1,79,120 | .. | 1,79,120 |
| 13 Souther Street Extension East-wards | 68,102 | .. | 68,102 | 23 Connaught Road | 79,495 | .. | 79,495 |
| 27 Mazhaw Road | 14,11,129 | .. | 14,11,129 | 24 Princess Street | 2,65,953 | .. | 2,65,953 |
| 29 Naitwaj Hill | 86,57,482 | .. | 86,57,482 | 25 Gamdevi | 1,29,407 | .. | 1,29,407 |
| 30 Souther Street Extension West-wards | 1,30,512 | .. | 1,30,512 | 34 Lemington Road | 4,61,024 | .. | 4,61,024 |
| 31 Pa. el Suparibaug Estate | 91,42,350 | .. | 91,42,350 | 35 Sandhurst Road West | 1,46,104 | .. | 1,46,104 |
| 32 East Agripada | 50,59,050 | .. | 50,59,050 | 39 Sandhurst Road East | 7,58,893 | .. | 7,58,893 |
| 33 Bhatwadi | 3,28,433 | .. | 3,28,433 | 40 Byculla | 8,28,411 | .. | 8,28,411 |
| 36 Lamington Road | 2,91,191 | .. | 2,91,191 | 44 Maharbaudi | 2,71,434 | .. | 2,71,434 |
| 37 Sydenham Road | 1,40,51,180 | .. | 1,40,51,180 | 45 Palton Road | 5,71,492 | .. | 5,71,492 |
| 41 Undria Street | 5,72,800 | .. | 5,72,800 | 46 Naigaum | 5,69,142 | .. | 5,69,142 |
| 42 Parel Road Central | 38,97,348 | .. | 38,97,348 | 48 Mahim | 4,53,032 | .. | 4,53,032 |
| 47 Parel Road North | 52,96,220 | .. | 52,96,220 | 55 Chinchbunder Road | 4,32,656 | .. | 4,32,656 |
| 49 Nepean Sea Road—Reclamation | 3,053 | .. | 3,053 | 55A Mazgaon | 4,53,560 | .. | 4,53,560 |
| 50 Mazgaon Street | 40,68,206 | .. | 40,68,206 | 63 King's Circle (Matunga) | 4,82,185 | .. | 4,82,185 |
| 52 Worli Road | 2,81,18,471 | .. | 2,81,18,471 | 67 Naigaum (for Armed Police and Recruits) | 24,42,031 | .. | 24,42,031 |
| 53 Foras Road | 36,82,045 | .. | 36,82,045 | 70 Arthur Road | 1,58,357 | .. | 1,58,357 |
| 54 Kolbhatwadi | 21,79,254 | .. | 21,79,254 | | 91,84,617 | .. | 91,84,617 |
| 55 Bellasis Road | 17,02,028 | .. | 17,02,028 | Mill Company's Chanl Schemes | | | |
| 56 Dharavi Street | 1,88,35,036 | .. | 1,88,35,036 | Scheme No. | | | |
| 57 Sewri Wadala | 5,50,97,235 | .. | 5,50,97,235 | 42 Spring Mills | 5,18,990 | .. | 5,18,990 |
| 58 Worli-Extension | 1,71,69,755 | .. | 1,71,69,755 | 51 Century Mills | 1,29,980 | .. | 1,29,980 |
| 59 Sewri-Koliwada | 6,91,392 | .. | 6,91,392 | 65 David Mills | 2,96,852 | .. | 2,96,852 |
| 60 Naigaum Street | 76,18,685 | .. | 76,18,685 | | 9,45,822 | .. | 9,45,822 |
| 61 Fergusson Road | 15,68,030 | .. | 15,68,030 | Carried for ward | 41,25,20,483 | 59,26,763 | 41,84,47,246 |
| 62 Love Lane | 16,18,731 | .. | 16,18,731 | | | | |
| 66 Mahalaxmi | 4,86,705 | .. | 4,86,705 | | | | |
| 69 Widening of Byculla Bridge | 7,20,290 | .. | 7,20,290 | | | | |
| 71 Chaupati Street | 24,085 | .. | 24,085 | | | | |
| Chaupati Reclamation East Chaupati Estate | 1,889 | .. | 1,889 | | | | |
| 4,380 | .. | 4,380 | .. | | | | |
| Lump sum Provision for granting loans to erect buildings on Imp. Scheme lands as provided under Section 354W of the Municipal Act. | 15,040 | .. | 15,040 | | | | |
| 72 Tripartite Road | 2,26,684 | .. | 2,26,684 | | | | |
| 73 Palton Road | 10,37,510 | .. | 10,37,510 | | | | |
| 74 Sion Over bridge | 92,457 | .. | 92,457 | | | | |
| Lump Sum Provision for Acquisition in all Schemes | 6,136 | .. | 6,136 | | | | |
| Lump Sum provision for Housing Accommodation for poorer classes including revision for acquisition | 11,59,77,328 | 17,84,724 | 11,77,62,052 | | | | |
| Housing of squatters on land Near Mankhurd Railway Station | 8,38,300 | .. | 8,38,300 | | | | |
| Housing of squatters on lands near Jogeshwari | 7,30,846 | .. | 7,30,846 | | | | |
| 76 Lohar Chawl Gully | 4,53,671 | .. | 4,53,671 | | | | |
| 77 Housing Accommodation— | 459 | .. | 459 | | | | |
| For Fishermen at Mahim Causeway | Cr 44,351 | .. | Cr 44,351 | | | | |
| Housing of Squatters Acquisition | 6,29,401 | .. | 6,29,401 | | | | |
| Housing of Squatters at Vikrol | 151 | .. | 151 | | | | |
| Construction of Dormitories | 6,92,736 | .. | 6,92,736 | | | | |
| Acquisition of land Govandi | 26,60,199 | .. | 26,60,199 | | | | |
| Carried forward | 37,79,18,401 | 17,84,724 | 37,97,03,125 | | | | |

Appendix No. 43—(Concl.d.)

| Particulars | Total Capital Expenditure upto 31st March 1987 | Expenditure during 1987-88 | Total Capital Expenditure upto 31st March 1988 | Particulars | Total Capital Expenditure upto 31st March 1987 | Expenditure during 1987-88 | Total Capital Expenditure upto 31st March 1988 |
|---|--|----------------------------|--|--|--|----------------------------|--|
| | Rs. | Rs. | Rs. | | Rs. | Rs. | Rs. |
| Brought over .. | 41,25,20,483 | 59,26,763 | 41,84,47,246 | Brought over .. | 41,29,83,794 | 59,26,763 | 41,89,10,557 |
| Slum Clearance .. | | | | Brought over .. | 7,56,460 | .. | 7,56,460 |
| Preliminary Expenses .. | 22,481 | .. | 22,481 | Refund to preliminary expenses to Government .. | 38,019 | .. | 38,019 |
| Transit Camps for providing alternative housing accommodation to facilitate Slum Clearance— | | | | Preliminary expenses in connection with the Improvements of slum areas .. | 68,816 | .. | 68,816 |
| (i) Construction of 244 tenements, etc. .. | 2,58,843 | .. | 2,58,843 | Provision of a lift in the Improvement Trust Building at Napier Road near Queens Statue .. | 12,267 | .. | 12,267 |
| (ii) Construction of 210 tenements etc. .. | 1,81,987 | .. | 1,81,987 | | 8,75,562 | .. | 8,75,562 |
| | 4,63,311 | .. | 4,63,311 | Discount on Loans .. | 14,53,359 | .. | 14,53,359 |
| Miscellaneous | | | | Expenses in connection with the Loan of Rs. 10 lakhs. .. | 12,227 | .. | 12,227 |
| Survey of the Island of Bombay .. | 1,06,046 | .. | 1,06,046 | Expenses in connection with the repayment of Rs. 25 Lakhs loan .. | 19,504 | .. | 19,504 |
| Administrative Offices, etc. Building on Esplanade Road near Queen's Statue | 3,21,562 | .. | 3,21,562 | Expenses in connection with the loan raised in 1957-58. .. | 62,048 | .. | 62,048 |
| Engineer's Office at Matungs .. | 1,38,468 | .. | 1,38,468 | Repayment of Rs. 40 lakhs loan of 1919. ... | 26,83,469 | .. | 26,83,469 |
| Central Stores at the back of Free Filastkcher school | 15,656 | .. | 15,656 | Part payment of Rs. 25 Lakhs loan of 1926. .. | 19,08,494 | .. | 19,08,494 |
| Store yard at Agripada etc. | 83,801 | .. | 83,801 | | 61,39,101 | .. | 61,39,101 |
| Workshop for Motor Lorries at Agripada .. | 90,368 | .. | 90,368 | | | | |
| Tools and Plans .. | 559 | .. | 559 | | | | |
| | 7,56,460 | .. | 7,56,460 | | | | |
| Carried forward .. | 41,29,83,794 | 59,26,763 | 41,89,10,557 | Grand Total .. | 41,99,98,457 | 59,26,763 | 42,59,25,220 |

£ This figure includes Rs 10,00,000 being the share of cost of Management and Establishment charge to capital account. 3403

APPENDIX No. 44.

IMPROVEMENT SCHEMES—SLUM CLEARANCE—CITY.

Block account showing details of Capital Expenditure upto 31st March 1988.

| PARTICULARS | Total Capital expenditure upto 31st March 1987 | Expenditure during 1987-88 | Total Capital expenditure upto 31st March 1988 |
|---|--|----------------------------|--|
| | Rs. | Rs. | Rs. |
| A.—Works to be carried out from Municipal Fund. | | | |
| Acquisition of land within, adjoining or surrounded by clearance Areas for housing or other development works | 10,47,243 | ... | 10,47,243 |
| Transit Camps for providing temporary alternative housing accommodation to facilitate Slum Clearance. | 5,33,767 | ... | 5,33,767 |
| Construction of 4 stored Building by replacing existing patra shed situated opposite Chawl No. 49-B at Garamkhada Market, Lalbug. | 3,37,505 | 8,97,619 | 12,35,124 |
| Permanent Housing for Slum Population. | 13,54,259 | ... | 13,54,259 |
| Providing Sewerage arrangement in Kamathipura Area | 1,71,857 | ... | 1,71,857 |
| Discount and other charges on the loan of Rs. 10 lakhs raised in 1956-57 | 10,108 | ... | 10,108 |
| Discount and their charges on the loan of Rs. 20 lakhs raised in 1957-58 | 45,160 | ... | 45,160 |
| Discount and their charges on the loan of Rs. 10 lakhs raised in 1958-59 | 17,721 | ... | 17,721 |
| Miscellaneous expenses including Preliminary expenses (staff and contingencies in connection with Slum Clearance) | 38,88,775 | ... | 38,88,775 |
| Proposed structural repairs to building No. 3 of 168 TIS Matunga Labour Camp, Dharavi. | .. | 3,74,081 | 3,74,081 |
| Construction of bldg. at Bhat Chawl compound at Worli. | 8,82,044 | 1,40,168 | 10,22,212 |
| Total A.—Works to be carried out from Municipal Fund | 82,88,439 | 14,11,868 | 97,00,307 |
| B.—Works to be carried out with the Government Aid— | | | |
| Construction of tenements for conservancy staff in place of existing dilapidated structures at Prabhadevi. | .. | 5,28,535 | 5,28,535 |
| Construction of tenements at Gas works land (Peru chawl compound) Lalla-baug, Phase-II. | .. | 1,925 | 1,925 |
| Acquisition of land within adjoining or surrounded by Clearance Areas for rehousing or other development works. | 54,73,593 | ... | 54,73,593 |
| Permanent Housing for Slum Population. | 4,39,32,339 | ... | 4,39,32,339 |
| Total—B.—Works to be carried out with the Government Aid | 4,94,05,932 | 5,30,460 | 4,99,36,392 |
| Grand Total* | 5,76,94,371 | 19,42,328 | 5,96,36,699 |

* Previous expenditure amounting to Rs. 4,63,311 upto 31st March 1966 is shown in Appendix No. 43.

APPENDIX No. 45.

IMPROVEMENT SCHEMES—SLUM CLEARANCE—SUBURBS.

Block account showing details of Capital Expenditure upto 31st March 1988.

| PARTICULARS | Total Capital Expenditure upto 31st March 1987 | Expenditure during 1987-88 | Total Capital Expenditure upto 31st March 1988 |
|--|--|----------------------------|--|
| | Rs. | Rs. | Rs. |
| Slum Clearance—Suburbs. | | | |
| A.—Works to be carried out from Municipal Fund. | | | |
| Miscellaneous expenses including Preliminary Expenses (Staff and Contingencies). | 1,76,24,422 | ... | 1,76,24,422 |
| Total—A.—Works to be carried out from Municipal Fund | 1,76,24,422 | ... | 1,76,24,422 |
| B.—Works to be carried out with the Government Aid | | | |
| Construction of tenements at Match Factory Lane, Kurla, Phase-II. | .. | 18,525 | 18,525 |
| (d) Chawls and S. P. Chawls | 2,78,20,519 | ... | 2,78,20,519 |
| Total—B.—Works to be carried out with the Government Aid. | 2,78,20,519 | 18,525 | 2,78,39,044 |
| Grand Total | 4,54,44,941 | 18,525 | 4,54,63,466 |

Appendix No. 46.

Improvement Scheme Account, Slum Improvement Block account showing details of Capital Expenditure upto 31-3-1988.

| Item No. | Particulars | Total Capital Expenditure upto 31-3-87 | Expenditure during 1987-88 | Total Capital Expenditure upto 31-3-88 |
|---|---|--|----------------------------|--|
| | | Rs. | Rs. | Rs. |
| 1 | Providing Civic amenities. | 14,89,15,343 | 3,99,82,051 | 18,88,97,394 |
| 2 | Providing additional amenities. | 10,30,55,541 | 26,21,944 | 10,56,77,485 |
| 3 | Civic amenities such as A. P. Block. | 27,08,131 | ... | 27,08,131 |
| 4 | Developing the pitches and providing amenities to the hutment dwellers commencing in the way of construction of flyover bridge at Goregaon. | 6,17,314 | 1,78,673 | 7,95,987 |
| 5 | Demolition and Reconstruction of A. P./W. C. block. | 1,61,09,818 | 25,38,619 | 1,86,48,437 |
| 6 | Work of providing amenities in different slums suggested by M.L.A. in Greater Bombay from allotment of Rs. 10 lakhs per M. L. A.'s constituency. | 3,79,16,007 | 1,24,39,862 | 5,03,55,869 |
| | Total ... | 30,93,22,154 | 5,77,61,149 | 36,70,83,303 |
| Programme wise break up is as shown below : | | | | |
| | Out of programme for 1984-85 ... | 2,35,19,359 | 26,02,207 | 2,61,21,566 |
| | Out of programme for 1985-86 ... | 1,43,60,081 | 34,03,458 | 1,77,63,539 |
| | Out of programme for 1986-87 ... | 36,567 | 64,34,197 | 64,70,764 |
| | Out of programme for 1987-88 ... | ... | ... | ... |
| | Total ... | 3,79,16,007 | 1,24,39,862 | 5,03,55,869 |

APPENDIX No. 52—(Consolidated)

Statement showing outstanding balances of Loans on 31st March 1988, pertaining to Budget 'B'.

| Serial No. | Particulars of Loans | Rate of Interest per annum. | Outstanding Loan Balance on 31st March 1988. | Serial No. | Particulars of Loans | Rate of Interest per annum. | Outstanding Loan Balance on 31st March 1988 |
|------------------------------------|--------------------------------|-----------------------------|--|--------------------------------------|---|-----------------------------|---|
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| | | | Rs. | | | | Rs. |
| Improvement Scheme— | | | | | | | |
| Loans Raised from Public— | | | | | | | |
| | | | | 37 | Programme No. 10 | | |
| | | | | | Ra. 1,62,543 Loan, 1966-67 .. | 53% | 1,14,666.89 |
| | | | | | Ra. 2,108 Loan, 1967-68 .. | 53% | 1,492.84 |
| | | | | | Ra. 1,146 Loan, 1967-68 .. | 53% | 813.43 |
| | | | | 40 | Ra. 58,984 Loan, 1968-69 .. | 54% | 41,732.39 |
| | | | | | Total Prog. 10 .. | | 1,58,705.55 |
| | | | | 41 | Programme No. 11 | | |
| | | | | | Ra. 69,426 Loan, 1968-69 .. | 53% | 49,126.81 |
| | | | | 42 | Ra. 75,936 Loan, 1969-70 .. | 53% | 53,723.00 |
| | | | | 43 | Ra. 13,725 Loan, 1970-71 .. | 64% | 10,005.52 |
| | | | | | Total—Prog. 11 .. | | 1,12,855.33 |
| | | | | | Total—Covt. Loans .. | | 48,79,586.74 |
| | | | | Loan raised from the Public— | | | |
| 2 | Ra. 50 Lakhs Loan, 1963-64 .. | 41% | 50,00,000.00 | 44 | Ra. 30 Lakhs Loan, 1964-65 .. | 43% | 30,00,000.00 |
| 3 | Ra. 100 Lakhs Loan, 1963-66 .. | 6% | 1,00,00,000.00 | 45 | Ra. 50 Lakhs Loan, 1966-67 .. | 6% | 50,00,000.00 |
| 4 | Ra. 50 Lakhs Loan, 1966-67 .. | 6% | 50,00,000.00 | 46 | Ra. 25 Lakhs Loan, 1971-72 .. | 6% | 25,00,000.00 |
| 5 | Ra. 50 Lakhs Loan, 1967-68 .. | 6% | 50,00,000.00 | 47 | Ra. 50 Lakhs Loan, 1972-73 .. | 6% | 50,00,000.00 |
| 6 | Ra. 75 Lakhs Loan, 1968-69 .. | 6% | 75,00,000.00 | 48 | Ra. 50 Lakhs Loan, 1973-74 .. | 6% | 50,00,000.00 |
| 7 | Ra. 250 Lakhs Loan 1976-77 .. | 64% | 2,50,00,000.00 | 49 | Ra. 75 Lakhs Loan, 1975-76 .. | 61% | 75,00,000.00 |
| 8 | Ra. 275 Lakhs Loan 1977-78 .. | 64% | 2,75,06,000.00 | 50 | Ra. 100 Lakhs Loan, 1976-77 .. | 61% | 1,00,00,000.00 |
| | Total—Public Loans .. | | 8,50,00,000.00 | 51 | Ra. 50 Lakhs Loan 1977-78 .. | 61% | 50,00,000.00 |
| | Total—Improvement Scheme .. | | 8,50,00,000.00 | | Total—Public Loans .. | | 4,30,00,000.00 |
| Slum Clearance—City— | | | | | | | |
| Loans raised from the Govt. | | | | | | | |
| | | | | | Programme No. 1 | | |
| 9 | Ra. 9,50,997 Loan, 1957-58 .. | 43% | 5,32,371.77 | 52 | Ra. 307,000 Loan, 1959-60 .. | 43% | 2,11,733.62 |
| 10 | Ra. 6,12,000 Loan, 1958-59 .. | 43% | 3,42,600.02 | 53 | Ra. 5,84,000 Loan, 1960-61 .. | 43% | 4,02,762.82 |
| 11 | Ra. 2,73,000 Loan, 1959-60 .. | 43% | 1,52,828.26 | 54 | Ra. 3,54,375 Loan, 1962-63 .. | 51% | 2,52,484.56 |
| 12 | Ra. 1,85,000 Loan, 1960-61 .. | 43% | 1,03,563.83 | 55 | Ra. 1,67,625 Loan, 1963-64 .. | 51% | 1,19,431.17 |
| 13 | Ra. 5,04,000 Loan 1961-62 .. | 43% | 2,61,988.17 | 56 | Ra. 2,49,364 Loan, 1964-65 .. | 51% | 1,73,399.33 |
| 14 | Ra. 2,64,529 Loan, 1962-63 .. | 51% | 1,54,703.64 | 57 | Ra. 11,599 Loan, 1966-67 .. | 51% | 8,211.16 |
| 15 | Ra. 2,50,971 Loan, 1963-64 .. | 51% | 1,46,774.57 | | Total—Prog. 2 .. | | 17,65,822.76 |
| 16 | Ra. 47,290 Loan, 1964-65 .. | 51% | 27,633.18 | | Programme No. 3 | | |
| 17 | Ra. 2,20,358 Loan, 1964-65 .. | 51% | 1,28,869.57 | 58 | Ra. 1,62,000 Loan, 1960-61 .. | 43% | 56,605.79 |
| 18 | Ra. 5,504 Loan, 1965-66 .. | 51% | 28,913.28 | 59 | Ra. 9,72,000 Loan, 1961-62 .. | 43% | 3,51,632.67 |
| 19 | Ra. 73 Loan, 1965-65 .. | 51% | 41.88 | 60 | Ra. 1,00,182 Loan, 1962-63 .. | 51% | 38,442.18 |
| 20 | Ra. 568 Loan 1968-69 .. | 51% | 325.35 | 61 | Ra. 7,818 Loan, 1963-64 .. | 51% | 3,001.11 |
| | Total—Prog. 1 .. | | 13,80,619.52 | | Total—Prog. 3 .. | | 4,51,681.75 |
| | Programme No. 2 | | | | Programme No. 4 | | |
| 21 | Ra. 94,500 Loan, 1961-62 .. | 41% | 65,164.67 | 62 | Ra. 4,45,300 Loan 1963-64 .. | 51% | 3,31,553.36 |
| | Total—Prog. 2 .. | | 65,164.67 | 63 | Ra. 1,06,900 Loan 1964-65 .. | 51% | 77,595.89 |
| | Programme No. 3 | | | 64 | Ra. 4,75,911 Loan 1964-65 .. | 51% | 9,39,074.82 |
| 22 | Ra. 9,00,000 Loan 1960-61 .. | 43% | 3,25,600.96 | 65 | Ra. 1,31,267 Loan 1965-66 .. | 51% | 92,075.27 |
| 23 | Ra. 62,087 Loan 1962-63 .. | 51% | 23,805.25 | 66 | Ra. 1,53,917 Loan 1965-66 .. | 51% | 1,08,904.34 |
| 24 | Ra. 9,963 Loan 1963-64 .. | 51% | 3,623.59 | 67 | Ra. 1,07,739 Loan 1965-66 .. | 51% | 76,226.68 |
| | Total—Prog. 3 .. | | 3,53,229.80 | 68 | Ra. 1,06,343 Loan 1963-66 .. | 51% | 75,238.10 |
| | Programme No. 4 | | | 69 | Ra. 1,28,865 Loan 1966-67 .. | 51% | 91,175.23 |
| 25 | Ra. 3,49,600 Loan, 1963-64 .. | 51% | 2,63,348.44 | 70 | Ra. 64,705 Loan 1967-68 .. | 51% | 47,201.69 |
| 26 | Ra. 1,84,800 Loan, 1964-65 .. | 51% | 1,31,674.23 | 71 | Ra. 12,159 Loan, 1967-68 .. | 51% | 8,610.11 |
| | Total—Prog. 4 .. | | 3,95,022.67 | 72 | Ra. 22,388 Loan 1968-69 .. | 51% | 15,848.28 |
| | Programme No. 6 | | | 73 | Ra. 9,319 Loan 1968-69 .. | 51% | 2,493.57 |
| 27 | Ra. 1,53,900 Loan, 1966-67 .. | 51% | 88,126.89 | | Total Prog. 4 .. | | 47,66,777.34 |
| 28 | Ra. 10,190 Loan, 1967-68 .. | 51% | 5,833.75 | | Total Govt. Loan .. | | 28,86,481.85 |
| 29 | Ra. 6,910 Loan, 1967-68 .. | 51% | 3,955.79 | Loans raised from the Public— | | | |
| 30 | Ra. 57,000 Loan, 1968-69 .. | 51% | 32,632.40 | 75 | Ra. 50 Lakhs Loan 1966-67 .. | 6% | 50,00,000.00 |
| | Total—Prog. 6 .. | | 1,30,548.83 | 76 | Ra. 50 Lakhs Loan 1967-68 .. | 6% | 50,00,000.00 |
| | Programme No. 9 | | | 77 | Ra. 25 Lakhs Loan 1968-69 .. | 6% | 25,00,000.00 |
| 31 | Ra. 6,10,818 Loan, 1966-67 .. | 51% | 4,32,174.04 | 78 | Ra. 40 Lakhs Loan 1973-74 .. | 6% | 40,00,000.00 |
| 32 | Ra. 5,73,838 Loan, 1967-68 .. | 51% | 4,06,007.51 | 79 | Ra. 100 Lakhs Loan 1975-76 .. | 61% | 1,00,00,000.00 |
| 33 | Ra. 7,28,110 Loan, 1968-69 .. | 51% | 5,15,151.44 | 80 | Ra. 125 Lakhs Loan 1976-77 .. | 61% | 1,25,00,000.00 |
| 34 | Ra. 1,00,518 Loan, 1968-69 .. | 51% | 71,128.35 | 81 | Ra. 50 Lakhs Loan 1977-78 .. | 61% | 50,00,000.00 |
| 35 | Ra. 1,04,516 Loan, 1969-70 .. | 51% | 73,946.93 | | Total—Public Loans .. | | 4,40,00,000.00 |
| 36 | Ra. 3,91,298 Loan, 1970-71 .. | 64% | 2,85,038.10 | | Total—Slum Clearance (Cty. & Ext. Sube.) .. | | 4,68,86,481.8 |
| | Total—Prog. 9 .. | | 17,89,446.37 | | Slum Improvement— | | |
| | | | | | Loans raised from Public .. | 64% | 2,00,00,000.00 |
| | | | | | Ra. 200 Lakhs Loan 1976-77 .. | | |
| | | | | | Total—Slum Improvement .. | | 2,00,00,000.00 |
| | | | | | Gross Total—Budget 'B' .. | | 19,97,65,068.59 |

EDUCATION FUND

APPENDIX No. 59

Revenue Account for the year
ended 31st March 1988.

APPENDIX No. 59
EDUCATION FUND

Revenue Account for the year ended 31st March 1988:

| Particulars | Rs. | P. | Particulars | Rs. | P. |
|--|-----------------|----|--|-----------------|----|
| To revenue Expenditure | 69,49,71,875.61 | | By Revenue Receipts | 71,56,76,483.26 | |
| To Revenue Surplus during the year 1987-88 | 2,07,04,607.65 | | By Revenue Deficit during the year 1987-88 | | |
| Total | 71,56,76,483.26 | | Total | 71,56,76,483.26 | |
| To Revenue Expenditure to be incurred in 1988-89 and provided for as Renewed Grants. | 5,95,59,800.00 | | By Surplus Revenue Fund as at 1st April 1987. | 1,26,05,426.01 | |
| To Revenue deficit during the year 1987-88 | | | By Revenue Surplus during the year 1987-88. | 2,07,04,607.65 | |
| To Balance being Surplus Revenue Fund as at 31st March 1988... | 1,08,83,233.66 | | By Revenue Expenditure grant of previous years reserved for the year 1987-88 | 3,71,33,000.00 | |
| | 7,04,43,033.66 | | | 7,04,43,033.66 | |

A/c 3403 Edu.

APPENDIX No. 62
EDUCATION FUND

Revenue Account Balance Sheet as at 31st March 1988.

| Liabilities | | Assets | |
|---|-----------------|---|-----------------|
| | Rs. P. | | Rs. |
| Due on Cheques Payable | 14,80,858.48 | Cash at Bank ..Rs. 44,69,484.40 | |
| Due on Outstanding Charges on account of Interest Accrued but Not Paid.. (Appendix—69) | 49,47,812.51 | Cash in Office ..Rs. 3,60,45,230.98 | 3,15,75,746.58 |
| Unclaimed Dues & Deposits (Refundable) Account (Appendix 67-A) | 1,38,844.70 | Education Loan Interest Warrants Payable Account. | 850.25 |
| Deposits in Cash and Public Securities from Contractors and Private Parties (Appendix—68) | 4,68,81,618.99 | Advances Appendix No. 67 | 1,08,63,146.74 |
| Interest on Loans Payable A/c. (Appendix No. 65) | | Deposits— | |
| Endowment Fund (Appendix—72) | 12,79,199.39 | In Securities | |
| Due on Outstanding Charges for 1987-88 and previous year | 5,95,59,800.00 | In Office | |
| Surplus Revenue Fund (Vide Appendix No. 59) | 1,08,83,233.66 | Amount held in | |
| | | Budget 'A' Div.—I | 7,93,16,522.35 |
| | | Advance from Surplus monies for Capital Works | |
| | | Investments— | |
| | | Endowment Fund— | |
| | | (Appendix—72) | |
| | | In Securities ..Rs. 4,76,750.00 | |
| | | In Fixed Deposit ..Rs. 8,02,300.00 | |
| | | In Cash .. Rs. 149.39 | 12,79,199.39 |
| | | Surplus Fund | |
| | | In Securities* .. Rs. 21,34,200.0 | |
| | | In Call Deposit | |
| | | In Cash at Bank .. Rs. 1,702.42 | 21,35,902.42 |
| Total .. | 12,51,71,367.73 | Total .. | 12,51,71,367.73 |

* Details of Securities held in Surplus Fund

| | Face Value Rs. | Book Value Rs. |
|---|-------------------|-------------------|
| 6% Rs. 200 Lakhs B.M.D. Budget A Div I Loan 1965-66 | 21,34,200.00 | 21,34,200.00 |
| | 21,34,200.00 | 21,34,200.00 |
| | | A/c 3403 Edu. |

APPENDIX No. 63
EDUCATION FUND

Capital Fund Balance Sheet as at 31st March 1988.

| Liabilities | Rs. P. | Assets | Rs. P. |
|--|------------------------|--|------------------------|
| Loans Outstanding— | | Block Account Appendix 64 | |
| Due to Public | 35,90,50,000.00 | Loan Funds | 47,01,62,038.54 |
| Trust Fund | 694.31 | Trust Fund | 2,08,755.42 |
| | | Investment— | |
| Surplus— | | Sinking Fund Appendix 66 and 71 | |
| Sinking Fund | 6,99,28,929.56 | In Securities Rs. 6,99,28,900.00 | |
| Contribution from Trust Fund | 2,08,755.42 | In cash at Bank Rs. 29.56 | 6,99,28,929.56 |
| Contribution from Government | 10,00,000.00 | Trust Fund— | |
| Central Govt. Assistance for Flood damage | 1,28,500.00 | In Cash | 694.31 |
| Advance from Surplus Monies for meeting Capital Expenditure pending raising of Loans | | Loan Fund— | |
| Loan Redemption Fund Rs. 14,64,50,000.00 | | In Securities Rs. 3,62,21,900.00 | |
| Less— | | In Cash at Bank Rs. 66.32 | 3,62,21,966.32 |
| Assets written off Rs. 2,44,495.14 | 14,62,05,504.86 | | |
| Grand Total | 57,65,22,384.15 | Grand Total | 57,65,22,384.15 |
| * Details of Securities held in Loan Fund. | | Face Value Rs. | Book Value Rs. |
| 6% Rs. 200 Lakhs B.M.D. Budget A Div. I Loan 1965-66 | | 12,21,900.00 | 12,21,900.00 |
| 6 1/2% Rs. 150 Lakhs B.M.D. Budget E Loan 1976-77 | | 1,50,00,000.00 | 1,50,00,000.00 |
| 11% Rs. 200 Lakhs B.M.D. Budget E Loan 1987-88 | | 2,00,00,000.00 | 2,00,00,000.00 |
| | | 3,62,21,900.00 | 3,62,21,900.00 |

APPENDIX No. 64

Statement showing Capital Works Expenditure upto 31st March 1988.

Education Fund.

| Capital Account | Total Capital Works Expenditure upto 31st March 1987 | Capital Works Expenditure during 1987-88 | Total Capital Works Expenditure upto 31st March, 1988 |
|----------------------------------|--|--|---|
| | Rs. | Rs. | Rs. |
| Loan Funds | | | |
| City Section | 16,02,42,763.99 | 65,79,142.36 | 16,68,21,906.35 |
| Western Suburban Section | 21,24,70,246.66 | 45,23,013.88 | 21,69,93,260.54 |
| Eastern Suburban Section | 8,36,48,807.41 | 26,98,064.24 | 8,63,46,871.65 |
| Total Loan Fund | 45,63,61,818.06 | 1,38,00,220.48 | 47,01,62,038.54 |
| Trust Fund | 2,08,755.42 | | 2,08,755.42 |
| Grand Total | 45,65,70,573.48 | 1,38,00,220.48 | 47,03,70,793.96 |

* This includes the Eastern Suburbs Capital Expenditure in respect of Works completed upto 31-3-1982.
5326 Education.

A c 3403 Edu.

**APPENDIX
EDUCATION**

Statement showing outstanding Loans due by the Municipal Corporation the Interest out standing on 1st April 1987 and Office during that year and the balance outstanding on 31st March 1988.

| Particulars of Loans | Rate of Interest percent. p.a. | Balance due on 1-4-1987. | Amount raised on 1987-88 | Total | Amount repaid on 1987-88 |
|--|--------------------------------|--------------------------|--------------------------|--------------|--------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) |
| | | Rs. | Rs. | Rs. | Rs. |
| Loans from Public | | | | | |
| (1) Rs. 220 Lakhs Loan (1977-78) .. | 6½ | 2,20,00,000 | .. | 2,20,00,000 | 2,20,00,000 |
| (2) Rs. 253 Lakhs Loan (1978-79) .. | 6½ | 2,53,00,000 | .. | 2,53,00,000 | .. |
| (3) Rs. 275 Lakhs Loan (1979-80) .. | 6½ | 2,75,00,000 | .. | 2,75,00,000 | .. |
| (4) Rs. 55 Lakhs Loan (1980-81) .. | 7 | 55,00,000 | .. | 55,00,000 | .. |
| (5) Rs. 110 Lakhs Loan (1981-82) .. | 7½ | 1,10,00,000 | .. | 1,10,00,000 | .. |
| (6) Rs. 220 Lakhs Loan (1982-83) .. | 7½ | 2,20,00,000 | .. | 2,20,00,000 | .. |
| (7) Rs. 302.5 Lakhs Loan (1983-84) .. | 8½ | 3,02,50,000 | .. | 3,02,50,000 | .. |
| (8) Rs. 192.50 Lakhs Loan (1984-85) .. | 9 | 1,92,50,000 | .. | 1,92,50,000 | .. |
| (9) Rs. 110 Lakhs Loan (1985-86) .. | 9½ | 1,10,00,000 | .. | 1,10,00,000 | .. |
| (10) Rs. 220 Lakhs Loan (1986-87) .. | 11 | 2,20,00,000 | .. | 2,20,00,000 | .. |
| (11) Rs. 220 Lakhs Loan (1987-88) .. | 11 | .. | 2,20,00,000 | 2,20,00,000 | .. |
| Total Loans from Public .. | | 19,58,00,000 | 2,20,00,000 | 21,78,00,000 | 2,20,00,000 |
| Loans from Internal Funds | | | | | |
| (12) Rs. 25 Lakhs Loan (1962-63) .. | 4½ | 25,00,000 | .. | 25,00,000 | 25,00,000 |
| (13) Rs. 12.5 Lakhs Loan (1963-64) .. | 4½ | 12,50,000 | .. | 12,50,000 | .. |
| (14) Rs. 25 Lakhs Loan (1966-67) .. | 6 | 25,00,000 | .. | 25,00,000 | .. |
| (15) Rs. 25 Lakhs Loan (1967-68) .. | 6 | 25,00,000 | .. | 25,00,000 | .. |
| (16) Rs. 20 Lakhs Loan (1968-69) .. | 6 | 20,00,000 | .. | 20,00,000 | .. |
| (17) Rs. 20 Lakhs Loan (1971-72) .. | 6 | 20,00,000 | .. | 20,00,000 | .. |
| (18) Rs. 100 Lakhs Loan (1972-73) .. | 6 | 1,00,00,000 | .. | 1,00,00,000 | .. |
| (19) Rs. 50 Lakhs Loan (1974-75) .. | 6½ | 50,00,000 | .. | 50,00,000 | .. |
| (20) Rs. 50 Lakhs Loan (1975-76) .. | 6½ | 50,00,000 | .. | 50,00,000 | .. |
| (21) Rs. 150 Lakhs Loan (1976-77) .. | 6½ | 1,50,00,000 | .. | 1,50,00,000 | .. |
| (22) Rs. 50 Lakhs Loan (1976-77) .. | 6½ | 50,00,000 | .. | 50,00,000 | .. |
| (23) Rs. 30 Lakhs Loan (1977-78) .. | 7½ | 30,00,000 | .. | 30,00,000 | .. |
| (24) Rs. 100 Lakhs Loan (1978-79) .. | 6½ | 1,00,00,000 | .. | 1,00,00,000 | .. |
| (25) Rs. 100 Lakhs Loan (1981-82) .. | 7 | 1,00,00,000 | .. | 1,00,00,000 | .. |
| (26) Rs. 500 Lakhs Loan (1985-86) .. | 9½ | 5,00,00,000 | .. | 5,00,00,000 | .. |
| (27) Rs. 200 Lakhs Loan (1986-87) .. | 11 | 2,00,00,000 | .. | 2,00,00,000 | .. |
| (28) Rs. 200 Lakhs Loan (1987-88) .. | 11 | .. | 2,00,00,000 | 2,00,00,000 | .. |
| Total Loans from Internal Funds .. | | 14,57,50,000 | 2,00,00,000 | 16,57,50,000 | 25,00,000 |
| Grand Total .. | | 34,15,50,000 | 4,20,00,000 | 38,35,50,000 | 2,45,00,000 |

No. 65

FUND

on the different Loan, the amount Payable for the year 1987-88, the amount paid by the State Bank of India.

| Balance due on 31st March 1988 | Interest outstanding on 1-4-1987 | Interest payable in 1987-88 | Total Interest due | Deduct Interest paid by the State Bank of India and in Office. | Interest Outstanding as on 31st March 1988. |
|--------------------------------|----------------------------------|-----------------------------|--------------------|--|---|
| (7) | (8) | (9) | (10) | (11) | (12) |
| Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| | .. | 13,75,000.00 | 13,75,000.00 | 13,75,000.00 | .. |
| 2,53,00,000 | .. | 16,44,500.00 | 16,44,500.00 | 16,44,500.00 | .. |
| 2,75,00,000 | .. | 18,56,250.00 | 18,56,250.00 | 18,56,250.00 | .. |
| 55,00,000 | .. | 3,85,000.00 | 3,85,000.00 | 3,85,000.00 | .. |
| 1,10,00,000 | .. | 7,97,500.00 | 7,97,500.00 | 7,97,500.00 | .. |
| 2,20,00,000 | .. | 16,50,000.00 | 16,50,000.00 | 16,50,000.00 | .. |
| 3,02,50,000 | .. | 26,46,875.00 | 26,46,875.00 | 26,46,875.00 | .. |
| 1,92,50,000 | .. | 17,32,500.00 | 17,32,500.00 | 17,32,500.00 | .. |
| 1,10,00,000 | .. | 10,72,500.00 | 10,72,500.00 | 10,72,500.00 | .. |
| 2,20,00,000 | .. | 24,20,000.00 | 24,20,000.00 | 24,20,000.00 | .. |
| 2,20,00,000 | .. | .. | .. | .. | .. |
| 19,58,00,000 | .. | 1,55,80,125.00 | 1,55,80,125.00 | 1,55,80,125.00 | .. |
| .. | .. | 1,12,500.00 | 1,12,500.00 | 1,12,500.00 | .. |
| 12,50,000 | .. | 59,375.00 | 59,375.00 | 59,375.00 | .. |
| 25,00,000 | .. | 1,50,000.00 | 1,50,000.00 | 1,50,000.00 | .. |
| 25,00,000 | .. | 1,50,000.00 | 1,50,000.00 | 1,50,000.00 | .. |
| 20,00,000 | .. | 1,20,000.00 | 1,20,000.00 | 1,20,000.00 | .. |
| 20,00,000 | .. | 1,20,000.00 | 1,20,000.00 | 1,20,000.00 | .. |
| 1,00,00,000 | .. | 6,00,000.00 | 6,00,000.00 | 6,00,000.00 | .. |
| 50,00,000 | .. | 3,12,500.00 | 3,12,500.00 | 3,12,500.00 | .. |
| 50,00,000 | .. | 3,12,500.00 | 3,12,500.00 | 3,12,500.00 | .. |
| 1,50,00,000 | .. | 9,37,500.00 | 9,37,500.00 | 9,37,500.00 | .. |
| 50,00,000 | .. | 3,12,500.00 | 3,12,500.00 | 3,12,500.00 | .. |
| 30,00,000 | .. | 2,25,000.00 | 2,25,000.00 | 2,25,000.00 | .. |
| 1,00,00,000 | .. | 6,50,000.00 | 6,50,000.00 | 6,50,000.00 | .. |
| 1,00,00,000 | .. | 7,00,000.00 | 7,00,000.00 | 7,00,000.00 | .. |
| 5,00,00,000 | .. | 48,75,000.00 | 48,75,000.00 | 48,75,000.00 | .. |
| 2,00,00,000 | .. | 22,00,000.00 | 22,00,000.00 | 22,00,000.00 | .. |
| 2,00,00,000 | .. | .. | .. | .. | .. |
| 16,32,50,000 | .. | 1,18,36,875.00 | 1,18,36,875.00 | 1,18,36,875.00 | .. |
| 35,90,50,000 | .. | 2,74,17,000.00 | 2,74,17,000.00 | 2,74,17,000.00 | .. |

A/c 3403 Edu

APPENDIX No.—70

EDUCATION FUND

Statement showing the amounts of Receipts and Expenditure respectively credited and debited to the Education Fund during the year 1987-88 and the balance at the credit of the Fund at the close of the year 1987-88 (i.e. 31st March 1988).

| | Rs. | P. |
|--|-----------------|----|
| RECEIPTS—A.—REVENUE ACCOUNT | | |
| (1A) Education Cess | 10,10,27,129.29 | |
| (1) Contribution towards Primary Education from Municipal Corporation under Section 126C(e) of the Bombay Municipal Corporation Act— | | |
| (i) From Budget 'A' Div. I | 3,86,91,290.00 | |
| (ii) From Budget 'A' Div. II | 4,52,18,670.00 | |
| (iii) From Budget 'A' Div. III | 1,55,43,300.00 | |
| (2A) Special Contribution from— | | |
| (i) From Budget 'A' Division I | 43,00,00,000.00 | |
| (3) Contribution from Government under Clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act | 8,03,62,177.00 | |
| (4) Interest on Endowment and Investments | 716,539.78 | |
| (5) Rent and other proceeds of properties | 35,49,085.00 | |
| (6) Interest and Profits on Investments of Surplus, Loan and other balances | 7,62,600.99 | |
| (7) Miscellaneous Receipts | 5,06,291.20 | |
| Total—Revenue Receipts | 71,56,76,483.26 | |
| RECEIPTS—B.—CAPITAL ACCOUNT | | |
| (1) New Loans | 4,20,00,000.00 | |
| (2) Trust Fund | | |
| (3) Advance from Surplus Monies for meeting Capital work Expenditure pending raising of New Loans | | |
| (4) Central Govt. assistance for flood damage | | |
| Total—Capital Receipts | 4,20,00,000.00 | |
| RECEIPTS—C.—SUSPENSE ACCOUNT | | |
| Advances to Municipal Officers— | | |
| (a) Standing Advances for Contingent Expenditure | 85,506.87 | |
| (b) Motor Car and Motor Cycles to Officers | 18,800.00 | |
| (c) Dishonoured Cheque | 12,948.85 | |
| (d) Loan scholarships to Municipal Teachers Under Training | | |
| Advances for meeting the cost of repairs to private buildings housing municipal schools under Section 489/499 recoverable from the landlords | | |
| Sundries—Miscellaneous Advances | 1,09,91,244.36 | |
| Total—Advances | 1,11,08,500.08 | |
| Paper and Cash Account—State Bank of India and other Local Banks including Paper Deposits in Office Custody— | | |
| (1) Sinking Fund (Paper and Cash) Account | 2,45,29,497.57 | |
| (2) Endowment Fund (Paper and Cash) Account | 92.80 | |
| (3) Loan Fund (Paper and Cash) Account | 80,22,186.80 | |
| (4) Surplus Fund (Paper and Cash) Account | 5,49,88,438.90 | |
| (5) Sundry Deposits Account | 25,000.00 | |
| Total—Paper and Cash | 8,75,65,216.07 | |

APPENDIX No. 70—(Contd.)

| | Rs. |
|---|--------------------------|
| Deposit Account | 1,47,57,000.28 |
| Provident Fund | 4,76,98,363.70 |
| Pension Fund | 78,89,623.68 |
| Gratuity Fund | 3,35,029.42 |
| Cheques Payable | 61,19,56,582.75 |
| Endowment Fund Account | 14,907.20 |
| Sinking Fund Account—Education | 1,90,03,439.70 |
| Amount Transferred from Municipal General fund Budget A to Education Fund A/c | 70,62,73,297.63 |
| Education Loan Interest Warrants Payable Account | 1,56,14,245.00 |
| Interest Accrued but not paid | 8,59,833.33 |
| Investment of Surplus Monies in Public Securities | .. |
| Loan Redemption Fund Account | 2,45,00,000.00 |
| Unclaimed Dues and Deposits (Refundable) Account | .. |
| Advances from surplus monies for financing Capital Work Expenditure pending raising of New Loans | .. |
| Interest on Loans Payable Account | .. |
| Total—Deposit etc. | 1,44,89,02,322.69 |
| Total—Suspense Receipts | 1,54,75,76,038.84 |
| EXPENDITURE—A.—REVENUE ACCOUNT | |
| A.—General Supervision and Administration | 1,54,77,863.58 |
| B.—Municipal Primary Schools | 48,61,80,276.87 |
| C.—Private Primary Schools | 2,28,63,266.78 |
| D.—Medical Inspection of School Children | 66,36,000.59 |
| E.—Enforcement of Compulsion | 1,59,917.56 |
| F.—Educational Activities | 38,91,631.69 |
| G.—Pension and Provident Fund | 5,70,11,880.77 |
| I.—New Works | 2,49,351.17 |
| J.—Debt Charges | 4,23,07,809.74 |
| K.—Training Facilities for Municipal Teachers | 1,68,563.58 |
| L.—Proportionate Cost of Collection of Education Cess | 15,58,588.82 |
| M.—Extra-Curricular Activities | 5,84,777.20 |
| O.—Proportionate Cost of C.E.'s Central Planning Staff | 7,84,600.70 |
| P.—Lump-sum provision for payment of arrears on account of Revision of grades | 6,13,357.16 |
| T.—Lump-sum provision for Deposit Linked Insurance Scheme | 6,13,367.16 |
| R.—Lump-sum provision for payment of arrears on account of Revision of grades | 2,51,03,242.00 |
| U.—Lump-sum provision for recurring estt. cost on account of revision of grades and Ex-gratia payment | 3,13,80,737.40 |
| Total—Revenue Expenditure | 69,49,71,875.61 |
| EXPENDITURE—B.—CAPITAL ACCOUNT | |
| (1) Loan Funds | 1,38,00,220.48 |
| (2) Trust Fund | .. |
| Total—Capital Expenditure | 1,38,00,220.48 |

APPENDIX No. 70—(Contd.)

| EXPENDITURE—C.—SUSPENSE ACCOUNT | | Rs. |
|---|--|-------------------|
| Advances to Municipal Officers— | | |
| (a) Standing Advances for Contingent expenditure | | 1,050.00 |
| (b) Motor Cars and Motor Cycles to Officers | | 180.00 |
| Dishonoured Cheques | | 12,948.85 |
| Loan Scholarship to Municipal Teachers under Training | | .. |
| Advance for meeting the cost of repairs to private buildings housing Municipal Schools under Section 489/499 recoverable from the landlords | | .. |
| Sundries—Miscellaneous Advances | | 93,72,693.17 |
| Total—Advances | | 93,86,872.02 |
| Paper and Cash Account—State Bank of India and other Local Banks including paper Deposits in Office Custody— | | |
| Sinking Fund (Paper and Cash) Account | | 1,88,52,972.58 |
| Endowment Fund (Paper and Cash) Account | | .. |
| Loan Fund (Paper and Cash) Account | | 3,62,21,966.32 |
| Surplus Fund (Paper and Cash) Account | | 4,99,66,644.17 |
| Sundry Deposits Account | | 15,000.00 |
| Total—Paper and Cash | | 10,50,56,583.07 |
| Deposit Account | | 1,26,98,518.79 |
| Provident Fund | | 4,76,98,363.70 |
| Pension Fund | | 78,89,623.68 |
| Gratuity Fund | | 3,35,029.42 |
| Cheques Payable | | 61,29,87,196.09 |
| Wages Deposit Account | | .. / |
| Amount transferred from Education Fund A/c to Municipal General Fund Budget 'A' | | 73,94,65,876.74 |
| Endowment Fund Account | | .. |
| Sinking Fund Account Education | | 2,46,79,964.69 |
| Education Loan Interest Warrants—Payable Account | | 1,56,14,245.00 |
| Interest Accrued but not paid | | 4,18,506.94 |
| Interest Receivable Account | | .. |
| Investment of Surplus Monies in Public Securities | | .. |
| Advance from Surplus Monies for financing Capital Works Expenditure pending raising of New Loans | | .. |
| Repayment of Loan Account | | 2,45,00,000.00 |
| Unclaimed Dues and Deposits (Refundable) Account | | 2,23,620.01 |
| Interest on Loans Payable A/c | | .. |
| Total—Deposits etc. | | 1,48,65,10,945.06 |
| Total—Suspense Expenditure | | 1,60,09,54,400.15 |

APPENDIX No. 70—(Concl.)

SUMMARY

| Receipts | Account | Disbursements |
|--------------------------------|--|-------------------------------------|
| Rs. P. | | Rs. P. |
| 3,60,50,415.03 | Opening Balance on 1st April 1986— | |
| 71,56,76,483.26 | A.—Revenue Account .. | 69,49,71,875.61 |
| 4,20,00,000.00 | B.—Capital Account .. | 1,38,00,220.48 |
| 1,54,75,76,038.84 | C.—Suspense Account .. | 1,60,09,54,400.15 |
| 2,30,52,52,522.10 | Closing Balance on 31st March 1988 .. | 2,30,97,26,496.24 3,15,76,440.89 |
| 2,34,13,02,937.13 | Total .. | 2,34,13,02,937.13 |
| £ Banks Reconciliation— | | Rs. P. |
| | Balance as per Bank's Pass Book | 88,861.83 |
| | Add—Revenue sent to the Bank on 31st March 1988 but acknowledged on 1st April 1988 | 1,23,241.00 |
| | Total .. | 2,12,102.83 |
| | Less—Uncashed cheques | 46,81,587.23 |
| | Balance as per Day Book (Col. No. 10) | —44,69,484.40 |
| | | Rs. P. |
| | Balance in Office in Government Promissory Notes etc. | |
| | Balance in Office in Cash | |
| | Collection kept in office 3,60,45,925.29 | 3,60,45,925.29 |
| | Closing Balance as shown at above | 3,15,76,440.89 |

A/c 3403 Edu.

REVENUE & ELECTION
ASSESSMENT & COLLECTION DEPARTMENT
(INCLUDING OCTROI BRANCH)

High Lights—
 I—Money Spent on

(Rs. in Lacs)

| | City | Western Subs. | Eastern Subs. | Octroi | Total |
|---|--------|---------------|---------------|--------|--------|
| i) Establishment | 230.19 | 146.50 | 88.96 | 317.49 | 783.14 |
| ii) Other Expenditure | 34.50 | 10.24 | 10.97 | 37.71 | 93.42 |
| iii) Commission to Collecting agencies. | ... | ... | ... | ... | ... |

II—Results achieved—

Due to continuous collection drive; the recovery of Municipal Property taxes, together with wheel tax and Octroi was in excess to the tune of Rs. 85.77 Crores as compared with last year the details whereof are as under :—

(Rs. in Crores)

| Municipal Property Taxes, charges and Wheel Tax. | | | Octroi | | | Total Excess |
|--|-----------------------------|--------|-----------------------------|----------------------------|--------|--------------|
| Collection made in 1986-87 | Collection made in 1987-88. | Excess | Collection made in 1986-87. | Collection made in 1987-88 | Excess | Total Excess |
| 163.53 | 209.76 | 46.23 | 230.77 | 270.31 | 39.54 | 85.77 |

The Property taxes and Octroi are the main stay of revenue of the Municipal Corporation and therefore this department has to achieve the target of collection by strenuous efforts throughout the year so that the Corporation can render civic services efficiently.

There was a marked improvement in the total tax collection including Government taxes during the year under report in as much as the department brought Rs. 231.37 Crores as against Rs. 184.30 Crores during the previous year.

The total demand of Municipal Property taxes, including Water Charges and Wheel Tax was Rs. 366.45 Crores whereas the total outstanding which includes arrears of past and previous years was Rs. 156.94 Crores. These arrears include settled demand as well as unsettled demand. Out of these arrears 45% are generally recovered during the subsequent year and balance amount remains locked up on account of various reasons shown in the statement Appendix VIII.

The Rateable Value of Railway Properties upto 31st March 1977 has been finalised and finalization of the R. V. for the further period is under process. The quantum of taxes to be paid is 42% of General Tax payable at normal rate. Railway authorities in the meantime have paid Rs. 2.00 Crs. during the year 1987-88.

The assessment of Bombay Port Trust properties for the quinquennium 1969-74 is in progress.

As regards the assessment of State & Central Government properties for the quinquennium 1979-84 Shri C. D. Vaidya, Arbitrator, who has been appointed to fix the Rateable Values of lands and buildings in charge of State & Central Governments in Greater Bombay, has taken up the matter in hand the same is in progress.

Building Repair Cess :—

Repair Cess amounting to Rs. 10.61 Crores was collected during the year 1987-88.

Maharashtra Tax on Building with Larger Residential Premises (Re-enacted) Act 1979 :—

Under the aforesaid Act, effective from 1-4-1974 the State Government has levied retrospectively a tax on residential premises having floorage of more than 125 Sq. Mtrs., and the Reteable Value whereof being more than Rs. 1,500/-, at the rate of 10% of the Reteable Value per year. The work of levy and recovery of this tax is entrusted to Assèssment & Collection Department. Maharashtra Tax on Buildings (with Larger Residential Premises) Cell collected Rs. 1,35,09,000/- during the year 1987-88.

Octroi :—

In the year 1987-88, the rates of Octroi continued to be the same as in the year 1986-87.

The amount of Octroi collection during the year 1987-88 was Rs. 270.31 Crores as against Rs. 230.77 Crores collected during the year 1986-87. This shows an increase of Rs. 39.54 Crores in Octroi collection in the year 1987-88 as compared with Octroi collection in 1986-87.

Figures of Octroi collection, refunds etc., for 1985-86, 1986-87 and 1987-88 are as under :—

(Figures in crores).

| | 1985-86 | 1986-87 | 1987-88 | Increase or Decrease over 1986-87 |
|--------------------------------|---------|---------|---------|---|
| | Rs. | Rs. | Rs. | Rs. |
| 1. Gross collection. | 211.41 | 230.77 | 270.31 | 39.84 |
| 2. Less Refunds. | 17.57 | 13.21 | 14.38 | 1.17 |
| 3. Net Revenue. | 193.84 | 217.56 | 255.93 | 38.37 |
| 4. Fees for stamping. | 0.001 | 0.0001 | 0.0004 | 0.0003 |
| 5. Fees in respect of refunds. | 2.18 | 1.65 | 2.05 | 0.40 |
| 6. Departmental Collection. | 147.74 | 169.53 | 196.42 | 26.89 |

64,757 claims for refund of Octroi on goods exported out of Bombay were received during the year 1987-88 as compared to 75,060 claims received in the year 1986-87.

Election Branch :—

From 1st September 1985 Election branch comprising 1 clerk and 1 clerk-cum-Typist functions under the supervision of Dy. Assessor & Collector (City) in the office of the Assessor & Collector.

Two bye-elections for Ward Nos. 23 & 65 were held in 1987-88. The Poll therefore was held on 17th January 1988.

There was no occasion on which provisions of Bombay Municipal servants' Act, 1890 had to be brought into effect.

Sd/-
Assessor & Collector.

APPENDIX I

| Nature of Tax | Rates of taxation Percentage of the R. V. | | Remarks. |
|---|--|----|--|
| (1) General Tax (Including 1.50% Fire Tax). | 25.50 | | In the areas of City & suburbs. |
| (2) Water Tax | R. | NR | |
| (3) Water Benefit Tax. | 9 | 15 | —do— |
| (4) Sewerage Tax. | 6 | 10 | —do— |
| (5) Sewerage Benefit Tax. | 5 | 8 | —do— |
| (6) Education Cess. | 4 | 6 | —do— |
| | 0.50 | | For R. V. between Rs. 1/- & Rs. 74/- |
| | 2.50 | | For R. V. between Rs. 75/- & Rs. 299/- |
| | 3.00 | | For R. V. of Rs. 300/- & Rs. 4999/- |
| | 5.00 | | For R. V. of Rs. 5000/- & above |
| (7) State Education Cess— | | | |

| Slabs of Annual letting value. | In respect of lands & buildings used or intended to be used for residential purpose. | In respect of lands & buildings used or intended to be used for non-residential purpose. |
|---|--|--|
| (i) On R. V. Re. 1/- to Rs. 74/- | Nil | Nil |
| (ii) Rs. 75/- or more but not more than Rs. 150/- | 2.00 | 4.00 |
| (iii) More than Rs. 150/- but less than Rs. 300/- | 3.00 | 6.00 |
| (iv) Rs. 300/- or more but less than Rs. 3000/- | 4.00 | 8.00 |
| (v) Rs. 3000/- or more but less than Rs. 6000/- | 5.00 | 10.00 |
| (vi) Rs. 6000/- or more. | 6.00 | 12.00 |
| (8) Water charges by Meter measurement in case of properties metered. | The rates charged for supply of water by meter measurement ranged between Rs. 3.00 and Rs. 150.00 per 10,000 litres according to the user of property. | |
| (9) Sewerage charges in case of properties metered and sewered. | 50% of the amount of water charges billed where properties sewered. | |
| (10) Employment Guarantee Cess. | At 1/4th the rate at which State Education Cess is levied on non-residential portion of lands or buildings. | |

APPENDIX — II

Statement showing the position of properties during the year 1987-88.

| Properties | City | Western Subs. | Eastern Subs. | Total |
|--|--------|---------------|---------------|-------------------------------|
| (1) Properties as on 31-3-1988. | 57,867 | 1,00,790 | 61,874 | 2,20,531 Reconciled figure |
| (2) Properties exempted from General Tax | 3,418 | 1,322 | 766 | 5,506 |
| (3) Properties newly assessed | 187 | 1,667 | 848 | 2,700 |
| (4) Properties enlarged | 821 | 802 | 1,020 | 2,843 |
| (5) Properties demolished | 148 | 234 | 82 | 464 |

APPENDIX — III

Statement of Rateable Value as on 31-3-88, Rates of R. V. per head etc.

| | City | Western Subs. | Eastern Subs. | Total |
|--|-------------------|-------------------|------------------|-------------------|
| (1) Rateable Value | Rs. 125,09,83,307 | Rs. 113,28,22,249 | Rs. 45,57,78,693 | Rs. 283,95,84,249 |
| (2) Population | 32,85,040 | 28,58,152 | 21,00,443 | 82,43,635 |
| (3) Rate per head of population | 380.81% | 396.35% | 216.99% | 344.46% |
| (4) No. of complaints against R. V. | 1,147 | 2,527 | 1,215 | 4,889 |
| (5) Percentage of Reduction in R. V. | 14.78% | 10.42% | 24.41% | 17.63% |
| (6) No of appeals received against R. V. | 306 | 586 | 208 | 1,100 |
| (7) No. of appeals pending against R. V. | 280 | 424 | 166 | 870 |

APPENDIX IV.

Statement showing comparative position of Demand, Collection and Outstanding of Municipal Property Taxes, (including Water Charges, Sewerage Charges, Water Tax, Water Benefit Tax, Sewerage Tax, Sewerage Benefit Tax and Wheel Tax).

(Amount in Crores)

| Nature of Tax | Year | Total net demand | Collection | Percentage of Collection to net demand. | Out-standings | Percentage of outstandings to Net Demand. |
|----------------------|---------|------------------|------------|---|---------------|---|
| Property Tax— | | | | | | |
| City. | 1985-86 | 104.06 | 70.87 | 68.10% | 33.19 | 31.90% |
| Subs. & Extd. Subs. | —" | 116.76 | 76.07 | 65.15% | 40.69 | 34.85% |
| City. | 1986-87 | 114.74 | 72.98 | 63.80% | 41.76 | 36.40% |
| Western Subs. | —" | 87.45 | 52.92 | 60.51% | 34.53 | 39.49% |
| Eastern Subs. | —" | 58.42 | 34.73 | 59.45% | 23.69 | 40.55% |
| City. | 1987-88 | 150.23 | 88.29 | 58.77% | 61.94 | 41.23% |
| Western Subs. | —" | 114.11 | 64.63 | 56.64% | 49.48 | 43.36% |
| Eastern Subs. | —" | 82.99 | 53.54 | 64.51% | 29.45 | 35.49% |
| Wheel Tax— | | | | | | |
| City. | 1985-86 | 9.07 | 1.57 | 17.31% | 7.50 | 82.69% |
| Subs. & Extd. Subs. | —" | 6.21 | 0.79 | 12.72% | 5.42 | 87.28% |
| City. | 1986-87 | 9.97 | 1.86 | 18.66% | 8.11 | 81.34% |
| Western Subs. | —" | 4.41 | 0.69 | 15.65% | 3.72 | 84.35% |
| Eastern Subs. | —" | 2.98 | 0.35 | 11.74% | 2.63 | 88.25% |
| City | 1987-88 | 10.90 | 1.95 | 17.89% | 8.95 | 82.11% |
| Western Subs. | —" | 4.88 | 0.64 | 13.11% | 4.24 | 86.89% |
| Eastern Subs. | —" | 3.33 | 0.34 | 10.21% | 2.99 | 89.79% |

| | City | Western Subs. | Eastern Subs. | Total |
|---------------------------------------|-------------|---------------|---------------|-------------|
| Miscellaneous Receipts 1987-88 | | | | |
| 1) Notice Fee | 2,88,082 | 3,15,917 | 1,86,248 | 7,90,227 |
| 2) Warrant Cost. | 1,85,909 | 1,87,328 | 1,57,669 | 5,30,906 |
| 3) Penalty. | 8,95,693 | 11,75,164 | 4,97,958 | 23,68,813 |
| Amount of General Tax exempted. | 1,21,91,364 | 65,73,120 | 59,34,617 | 2,48,99,101 |

APPENDIX - V

1) Statement showing total demand, collection and outstanding of the Municipal property taxes during 1987-88 (Municipal Property Taxes including Water Tax, Water Benefit Tax, Sewerage Tax, Sewerage Benefit Tax but excluding Water charges & Sewerage charges).

| Period | (Rs. in lacs) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------|----------|---------------------------------------|----------------|----------------------------|----------------|--|----------------|---|----------------|--|-------------------------|--|------------------|--|----------------------------|--|---------------------------|--|---|--|---|------|---|------|---|------|---|------|---|------|----------------------|--|--|--|--|--|--|--|--|--|--|----------------|---|---|---|---|--------|---|---------|---|---|---|---------|---|---|---|---|--------|---|--------|---|---|---|---------|---|---|---|---|---------|---------|---------|--------|---|---|----------------|----------|----------|----------|----------|----------------|----------------|----------------|---------------|---------------|---------------|--------------------------------|--|--|--|--|--|--|--|--|--|--|----------------|---|---|---|---|--------|---|---------|---|---|---|---------|---|---|---|---|--------|---|--------|---|---|---|---------|---|---|---|---|---------|--------|---------|--------|---|---|----------------|----------|----------|----------|----------|----------------|---------------|----------------|---------------|---------------|---------------|---------------------------------|--|--|--|--|--|--|--|--|--|--|----------------|---|---|---|---|--------|---|---------|---|---|---|---------|---|---|---|---|--------|---|--------|---|---|---|---------|---|---|---|---|---------|--------|--------|--------|---|---|----------------|----------|----------|----------|----------|----------------|---------------|----------------|---------------|---------------|---------------|----------------------|----------|----------|----------|----------|----------------|----------------|----------------|----------------|---------------|---------------|
| | Outstanding as on 1-4-87 | | Amount of bill issued during the year | | Gross Demand | | Amount of bills recalled during the year | | Net Demand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | R | N.R. | R | N.R. | R | N.R. | R | N.R. | R | N.R. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Div. - I City | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upto & 1985-86 | 1672.05 | — | 89.86 | — | 1761.91 | — | 91.04 | — | 1670.87 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1986-87 | 1099.09 | — | 126.84 | — | 1225.93 | — | 163.92 | — | 1062.01 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1987-88 | — | — | 4750.15 | 1871.13 | 4750.15 | 1871.13 | 510.68 | 218.07 | 4239.47 | 1653.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total : | 2771.14 | — | 4966.85 | 1871.13 | 7737.99 | 1871.13 | 765.64 | 218.07 | 6972.35 | 1653.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Div. - II Western Subs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upto & 1985-86 | 1800.21 | — | 36.62 | — | 1836.83 | — | 51.56 | — | 1785.27 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1986-87 | 1008.71 | — | 184.50 | — | 1193.21 | — | 192.24 | — | 1000.97 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1987-88 | — | — | 4679.06 | 928.05 | 4679.06 | 928.05 | 478.28 | 103.87 | 4200.78 | 824.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total : | 2808.92 | — | 4900.18 | 928.05 | 7709.10 | 928.05 | 722.08 | 103.87 | 6987.02 | 824.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Div. - III Eastern Subs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upto & 1985-86 | 1150.28 | — | 7.79 | — | 1158.07 | — | 11.56 | — | 1146.51 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1986-87 | 420.17 | — | 94.68 | — | 514.85 | — | 98.94 | — | 415.91 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1987-88 | — | — | 1821.17 | 449.70 | 1821.17 | 449.70 | 177.23 | 62.17 | 1643.94 | 387.53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total : | 1570.45 | — | 1923.64 | 449.70 | 3494.09 | 449.70 | 287.73 | 62.17 | 3206.36 | 387.53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Total : | 7150.51 | — | 11790.67 | 3248.88 | 18941.18 | 3248.88 | 1775.45 | 384.11 | 17165.73 | 2864.77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Less : Unsettled Demand</th> <th colspan="2">Effective Demand</th> <th colspan="2">Collection during the year</th> <th colspan="2">Outstanding as on 31-3-88</th> <th colspan="2">Percentage of collection to Net Demand.</th> </tr> <tr> <th>R</th> <th>N.R.</th> <th>R</th> <th>N.R.</th> <th>R</th> <th>N.R.</th> <th>R</th> <th>N.R.</th> <th>R</th> <th>N.R.</th> </tr> </thead> <tbody> <tr> <td colspan="11">Div. - I City</td> </tr> <tr> <td>Upto & 1985-86</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>206.16</td> <td>—</td> <td>1464.71</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>1986-87</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>391.29</td> <td>—</td> <td>670.72</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>1987-88</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>3135.91</td> <td>1022.69</td> <td>1103.56</td> <td>630.47</td> <td>—</td> <td>—</td> </tr> <tr> <td>Total :</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>3733.36</td> <td>1022.69</td> <td>3238.99</td> <td>630.47</td> <td>53.55%</td> <td>61.86%</td> </tr> <tr> <td colspan="11">Div. - II Western Subs.</td> </tr> <tr> <td>Upto & 1985-86</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>184.95</td> <td>—</td> <td>1600.32</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>1986-87</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>478.74</td> <td>—</td> <td>522.23</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>1987-88</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>3152.17</td> <td>397.29</td> <td>1049.61</td> <td>426.89</td> <td>—</td> <td>—</td> </tr> <tr> <td>Total :</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>3815.86</td> <td>397.29</td> <td>3171.16</td> <td>426.89</td> <td>54.61%</td> <td>48.20%</td> </tr> <tr> <td colspan="11">Div. - III Eastern Subs.</td> </tr> <tr> <td>Upto & 1985-86</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>109.19</td> <td>—</td> <td>1037.32</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>1986-87</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>185.05</td> <td>—</td> <td>230.86</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>1987-88</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>1180.70</td> <td>268.43</td> <td>463.24</td> <td>119.10</td> <td>—</td> <td>—</td> </tr> <tr> <td>Total :</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>1474.94</td> <td>268.43</td> <td>1731.42</td> <td>119.10</td> <td>46.00%</td> <td>69.27%</td> </tr> <tr> <td>Grand Total :</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>9024.16</td> <td>1688.31</td> <td>8141.57</td> <td>1176.46</td> <td>52.57%</td> <td>58.93%</td> </tr> </tbody> </table> | | | | | | | | | | | | Less : Unsettled Demand | | Effective Demand | | Collection during the year | | Outstanding as on 31-3-88 | | Percentage of collection to Net Demand. | | R | N.R. | R | N.R. | R | N.R. | R | N.R. | R | N.R. | Div. - I City | | | | | | | | | | | Upto & 1985-86 | — | — | — | — | 206.16 | — | 1464.71 | — | — | — | 1986-87 | — | — | — | — | 391.29 | — | 670.72 | — | — | — | 1987-88 | — | — | — | — | 3135.91 | 1022.69 | 1103.56 | 630.47 | — | — | Total : | — | — | — | — | 3733.36 | 1022.69 | 3238.99 | 630.47 | 53.55% | 61.86% | Div. - II Western Subs. | | | | | | | | | | | Upto & 1985-86 | — | — | — | — | 184.95 | — | 1600.32 | — | — | — | 1986-87 | — | — | — | — | 478.74 | — | 522.23 | — | — | — | 1987-88 | — | — | — | — | 3152.17 | 397.29 | 1049.61 | 426.89 | — | — | Total : | — | — | — | — | 3815.86 | 397.29 | 3171.16 | 426.89 | 54.61% | 48.20% | Div. - III Eastern Subs. | | | | | | | | | | | Upto & 1985-86 | — | — | — | — | 109.19 | — | 1037.32 | — | — | — | 1986-87 | — | — | — | — | 185.05 | — | 230.86 | — | — | — | 1987-88 | — | — | — | — | 1180.70 | 268.43 | 463.24 | 119.10 | — | — | Total : | — | — | — | — | 1474.94 | 268.43 | 1731.42 | 119.10 | 46.00% | 69.27% | Grand Total : | — | — | — | — | 9024.16 | 1688.31 | 8141.57 | 1176.46 | 52.57% | 58.93% |
| | Less : Unsettled Demand | | Effective Demand | | Collection during the year | | Outstanding as on 31-3-88 | | Percentage of collection to Net Demand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | R | N.R. | R | N.R. | R | N.R. | R | N.R. | R | N.R. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Div. - I City | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upto & 1985-86 | — | — | — | — | 206.16 | — | 1464.71 | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1986-87 | — | — | — | — | 391.29 | — | 670.72 | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1987-88 | — | — | — | — | 3135.91 | 1022.69 | 1103.56 | 630.47 | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total : | — | — | — | — | 3733.36 | 1022.69 | 3238.99 | 630.47 | 53.55% | 61.86% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Div. - II Western Subs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upto & 1985-86 | — | — | — | — | 184.95 | — | 1600.32 | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1986-87 | — | — | — | — | 478.74 | — | 522.23 | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1987-88 | — | — | — | — | 3152.17 | 397.29 | 1049.61 | 426.89 | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total : | — | — | — | — | 3815.86 | 397.29 | 3171.16 | 426.89 | 54.61% | 48.20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Div. - III Eastern Subs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upto & 1985-86 | — | — | — | — | 109.19 | — | 1037.32 | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1986-87 | — | — | — | — | 185.05 | — | 230.86 | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1987-88 | — | — | — | — | 1180.70 | 268.43 | 463.24 | 119.10 | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total : | — | — | — | — | 1474.94 | 268.43 | 1731.42 | 119.10 | 46.00% | 69.27% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Total : | — | — | — | — | 9024.16 | 1688.31 | 8141.57 | 1176.46 | 52.57% | 58.93% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

2) Water charges by Meter Measurement including Sewerage Charges & Meter Rent 1987-88

(Amount in Lacs)

| Period | Out-standing as on 1-4-87 | Amount of bills issued during the year | Gross demand | Amount of bills recalled during the year | Net Demand | Less Unsettled demand | Effective Demand | Collection during the year | Out-standings as on 31-3-88 | Percentage of collection to net demand. |
|--------------------------------------|---------------------------|--|--------------|--|------------|-----------------------|------------------|----------------------------|-----------------------------|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Div. I. City Upto & 1985-86 | 1116.17 | 57.71 | 1173.88 | 54.27 | 1119.61 | — | — | 115.05 | 1004.56 | |
| 1986-87 | 476.81 | 24.82 | 501.63 | 37.18 | 464.45 | — | — | 258.14 | 206.31 | |
| 1987-88 | — | 4926.72 | 4926.72 | 111.79 | 4813.93 | — | — | 3700.14 | 1113.79 | |
| Total : | 1592.98 | 5008.25 | 6601.23 | 203.24 | 6397.99 | — | — | 4073.33 | 2324.66 | 63.67% |
| Div. II Western Sub. Upto & 1985-86 | 737.23 | 19.43 | 756.66 | 14.05 | 742.61 | — | — | 48.11 | 694.50 | |
| 1986-87 | 254.58 | 58.07 | 312.65 | 16.21 | 297.44 | — | — | 158.69 | 138.75 | |
| 1987-88 | — | 2593.73 | 2593.73 | 33.41 | 2560.32 | — | — | 2043.17 | 517.15 | |
| Total : | 991.81 | 2671.23 | 3663.04 | 62.67 | 3600.37 | — | — | 2249.97 | 1350.40 | 82.49% |
| Div. III Eastern Sub. Upto & 1985-86 | 582.55 | 51.84 | 634.40 | 98.47 | 535.93 | — | — | 65.08 | 470.85 | |
| 1986-87 | 282.13 | 20.25 | 302.38 | 92.55 | 209.83 | — | — | 91.37 | 118.46 | |
| 1987-88 | — | 4207.00 | 4207.00 | 247.36 | 3959.64 | — | — | 3453.89 | 505.75 | |
| Total : | 864.68 | 4279.09 | 5143.78 | 438.38 | 4705.40 | — | — | 3810.34 | 1095.06 | 76.73% |
| Grand Total : | 3449.48 | 11958.57 | 15408.05 | 704.29 | 14703.76 | — | — | 9833.64 | 4770.12 | 67.56% |

(3) Sewerage Charges

(Amount in Lacs)

| Period | Out-standing as on 1-4-87 | Amount of bills issued during the year | Gross demand | Amount of bills recalled during the year | Net Demand | Less Unsettled demand | Effective Demand | Collection during the year | Out-standings as on 31-3-88 | Percentage of collection to net demand. |
|--|---------------------------|--|--------------|--|------------|-----------------------|------------------|----------------------------|-----------------------------|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Div. I City Upto & 1985-86 | 310.60 | 8.28 | 318.88 | 11.76 | 307.12 | — | — | 20.43 | 286.69 | |
| 1986-87 | 110.29 | 4.56 | 114.85 | 11.63 | 103.22 | — | — | 45.65 | 57.57 | |
| 1987-88 | — | 1,503.07 | 1,503.07 | 36.32 | 1,466.75 | — | — | 1,055.95 | 410.80 | |
| Total : | 420.89 | 1,515.91 | 1,936.80 | 59.71 | 1,877.09 | — | — | 1,122.03 | 756.06 | 66.77% |
| Div. II Western Sub. Upto & 1985-86 | 121.33 | 6.23 | 128.56 | 2.34 | 124.22 | — | — | 6.78 | 117.44 | |
| 1986-87 | 39.96 | 9.03 | 48.99 | 1.98 | 47.01 | — | — | 22.29 | 24.72 | |
| 1987-88 | — | 686.20 | 686.20 | 5.27 | 680.93 | — | — | 430.62 | 250.31 | |
| Total : | 161.29 | 700.46 | 861.75 | 9.59 | 852.16 | — | — | 459.69 | 392.47 | 63.94% |
| Div. III Eastern Sub. Upto and 1985-86 | 148.34 | 11.71 | 160.05 | 9.23 | 147.82 | — | — | 9.96 | 137.86 | |
| 1986-87 | 48.22 | 3.54 | 52.76 | 8.92 | 43.84 | — | — | 18.56 | 25.28 | |
| 1987-88 | — | 870.94 | 870.94 | 69.11 | 801.83 | — | — | 584.71 | 217.12 | |
| Total : | 196.56 | 896.19 | 1,080.75 | 87.26 | 993.49 | — | — | 613.23 | 380.26 | 61.72% |
| Grand Total : | 776.74 | 3,102.66 | 3,879.30 | 166.56 | 3,722.74 | — | — | 2,194.95 | 1,627.79 | 68.96% |

(4) Wheel Tax.

(Amount in Lacs)

| Period | Out-standing as on 1-4-87 | Amount of bills issued during the year | Gross demand | Amount of bills recalled during the year | Net Demand | Less Unsettled demand | Effective Demand | Collection during the year | Out-standings as on 31-3-88 | Percentage of collection to net demand. |
|--------------------------------------|---------------------------|--|--------------|--|------------|-----------------------|------------------|----------------------------|-----------------------------|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Div. I. City Upto & 1985-86 | 658.89 | 5.57 | 664.26 | 12.94 | 651.42 | — | — | 41.38 | 610.04 | |
| 1986-87 | 152.82 | 4.09 | 156.71 | 4.03 | 152.68 | — | — | 36.23 | 116.45 | |
| 1987-88 | — | 289.73 | 289.73 | 4.08 | 285.64 | — | — | 115.90 | 169.74 | |
| Total : | 811.31 | 299.39 | 1,110.70 | 20.96 | 1,089.74 | — | — | 194.51 | 895.23 | 17.85% |
| Div. II Western Sub. Upto & 1985-86 | 296.24 | 2.47 | 298.71 | 1.87 | 296.84 | — | — | 18.25 | 278.59 | |
| 1986-87 | 73.48 | 3.59 | 77.07 | 0.77 | 76.30 | — | — | 12.50 | 63.80 | |
| 1987-88 | — | 115.61 | 115.61 | 1.01 | 114.60 | — | — | 33.21 | 81.39 | |
| Total : | 369.72 | 121.67 | 491.39 | 3.65 | 487.74 | — | — | 63.96 | 423.78 | 13.11% |
| Div. III Eastern Sub. Upto & 1985-86 | 219.69 | 2.31 | 220.74 | 2.73 | 218.01 | — | — | 12.11 | 205.90 | |
| 1986-87 | 44.42 | 3.58 | 48.00 | 0.70 | 47.30 | — | — | 6.31 | 40.99 | |
| 1987-88 | — | 68.70 | 68.70 | 0.61 | 68.09 | — | — | 15.75 | 52.34 | |
| Total : | 262.85 | 74.59 | 337.44 | 4.04 | 333.40 | — | — | 34.17 | 299.23 | 10.25% |
| Grand Total : | 1,443.88 | 495.65 | 1,939.53 | 28.65 | 1,910.88 | — | — | 292.64 | 1,618.24 | 15.31% |

(5) Water Tax.

| Period | Outstanding as on 1-4-1987 | | Amount of bills issued during the year | | Gross Demand | | Amount of bills not Demand recalled during the year. | | | | |
|-------------------------|----------------------------|------|--|--------|--------------|--------|--|-------|--------|--------|---|
| | R. | N.R. | R. | N.R. | R. | N.R. | Net Demand | | | | |
| | | | | | | | R. | N.R. | R. | N.R. | |
| Div. — I City | | | | | | | | | | | |
| Upto & 1985-86 | 187.72 | — | 4.35 | — | 192.07 | — | 14.70 | — | 177.37 | — | — |
| 1986-87 | 100.37 | — | 11.32 | — | 111.69 | — | 19.68 | — | 92.01 | — | — |
| 1987-88 | — | — | 187.45 | 363.65 | 187.45 | 363.65 | 20.70 | 42.65 | 166.65 | 321.00 | — |
| Total : | 288.09 | — | 203.12 | 363.65 | 491.21 | 363.65 | 55.08 | 42.65 | 436.13 | 321.00 | — |
| Div. — II Western Sub. | | | | | | | | | | | |
| Upto & 1985-86 | 60.21 | — | 0.19 | — | 60.40 | — | — | — | 60.40 | — | — |
| 1986-87 | 10.31 | — | 0.10 | — | 10.41 | — | — | — | 10.41 | — | — |
| 1987-88 | — | — | 25.08 | 1.06 | 25.08 | 1.06 | 0.67 | 0.42 | 24.41 | 0.64 | — |
| Total : | 70.52 | — | 25.37 | 1.06 | 95.89 | 1.06 | 0.67 | 0.42 | 95.22 | 0.64 | — |
| Div. — III Eastern Sub. | | | | | | | | | | | |
| Upto & 1985-86 | 21.59 | — | 0.24 | — | 21.83 | — | — | — | 21.83 | — | — |
| 1986-87 | 2.97 | — | 0.22 | — | 3.19 | — | 0.13 | — | 3.06 | — | — |
| 1987-88 | — | — | 19.78 | 1.15 | 19.78 | 1.15 | — | 0.01 | 19.78 | 1.14 | — |
| Total : | 24.56 | — | 20.24 | 1.15 | 44.80 | 1.15 | 0.13 | 0.01 | 44.67 | 1.14 | — |
| Grand Total : | 383.17 | — | 248.73 | 365.86 | 631.90 | 365.86 | 55.88 | 43.08 | 576.02 | 322.78 | — |

6) Water Benefit Tax.

(Amount in Lacs)

| Period | Less Unsettled Demand | | Effective Demand | | Collection during the year | | Outstanding as on 31-3-1988 | | Percentage of Collection of Net Demand | |
|--------------------------------|-----------------------|------|------------------|---------|----------------------------|---------|-----------------------------|--------|--|---------|
| | R. | N.R. | R. | N.R. | R. | N.R. | R. | N.R. | R. | N.R. |
| Div. - I City | | | | | | | | | | |
| Upto & 1985-86 | 235.58 | — | 5.77 | — | 241.35 | — | 11.63 | — | 229.72 | — |
| 1986-87 | 140.68 | — | 16.32 | — | 157.00 | — | 19.55 | — | 137.45 | — |
| 1987-88 | — | — | 332.28 | 820.69 | 332.28 | 820.69 | 28.36 | 94.17 | 303.92 | 726.52 |
| Total : | 376.26 | — | 354.37 | 820.69 | 730.63 | 820.69 | 59.54 | 94.17 | 671.09 | 726.52 |
| Div. - II Western Sub. | | | | | | | | | | |
| Upto & 1985-86 | 266.43 | — | 5.05 | — | 271.48 | — | 8.38 | — | 265.10 | — |
| 1986-87 | 167.42 | — | 25.40 | — | 182.82 | — | 25.60 | — | 157.22 | — |
| 1987-88 | — | — | 483.70 | 411.37 | 483.70 | 411.37 | 47.02 | 43.47 | 436.68 | 367.90 |
| Total : | 433.85 | — | 514.15 | 411.37 | 938.00 | 411.37 | 79.00 | 43.47 | 859.00 | 367.90 |
| Div. - III Eastern Sub. | | | | | | | | | | |
| Upto & 1985-86 | 128.18 | — | 0.99 | — | 129.17 | — | 1.50 | — | 127.67 | — |
| 1986-87 | 59.32 | — | 13.18 | — | 72.47 | — | 15.65 | — | 56.82 | — |
| 1987-88 | — | — | 185.48 | 198.15 | 185.48 | 198.15 | 15.43 | 27.89 | 170.03 | 170.46 |
| Total : | 187.50 | — | 199.60 | 198.15 | 387.10 | 198.15 | 32.58 | 27.89 | 354.52 | 170.46 |
| Grand Total : | 987.61 | — | 1068.12 | 1430.21 | 2055.73 | 1430.21 | 171.12 | 165.33 | 1884.61 | 1264.88 |
| Div. - I City | | | | | | | | | | |
| Upto & 1985-86 | — | — | — | — | 30.97 | — | 148.40 | — | — | — |
| 1986-87 | — | — | — | — | 31.83 | — | 60.18 | — | — | — |
| 1987-88 | — | — | — | — | 122.92 | 201.99 | 43.63 | 119.01 | — | — |
| Total : | — | — | — | — | 185.72 | 201.99 | 250.41 | 119.01 | 42.58% | 62.93% |
| Div. - II Western Sub. | | | | | | | | | | |
| Upto & 1985-86 | — | — | — | — | 0.13 | — | 60.27 | — | — | — |
| 1986-87 | — | — | — | — | 0.53 | — | 9.88 | — | — | — |
| 1987-88 | — | — | — | — | 13.79 | 0.20 | 10.62 | 0.44 | — | — |
| Total : | — | — | — | — | 14.45 | 0.20 | 80.77 | 0.44 | 15.16% | 31.25% |
| Div. - III Eastern Sub. | | | | | | | | | | |
| Upto & 1985-86 | — | — | — | — | 0.75 | — | 21.68 | — | — | — |
| 1986-87 | — | — | — | — | 0.21 | — | 2.85 | — | — | — |
| 1987-88 | — | — | — | — | 17.72 | 0.53 | 2.06 | 0.61 | — | — |
| Total : | — | — | — | — | 18.68 | 0.53 | 26.59 | 0.61 | 41.82% | 45.49% |
| Grand Total : | — | — | — | — | 218.85 | 202.72 | 357.17 | 120.06 | 37.99% | 62.80% |
| Div. - I City | | | | | | | | | | |
| Upto & 1985-86 | — | — | — | — | 22.61 | — | 207.21 | — | — | — |
| 1986-87 | — | — | — | — | 47.44 | — | 90.01 | — | — | — |
| 1987-88 | — | — | — | — | 266.48 | 446.76 | 38.44 | 280.76 | — | — |
| Total : | — | — | — | — | 336.53 | 446.76 | 335.66 | 280.76 | 49.98% | 61.36 |
| Div. - II Western Sub. | | | | | | | | | | |
| Upto & 1985-86 | — | — | — | — | 22.64 | — | 242.46 | — | — | — |
| 1986-87 | — | — | — | — | 57.53 | — | 89.69 | — | — | — |
| 1987-88 | — | — | — | — | 348.04 | 180.90 | 90.64 | 187.00 | — | — |
| Total : | — | — | — | — | 428.21 | 180.90 | 432.79 | 187.00 | 49.62% | 49.17% |
| Div. - III Eastern Sub. | | | | | | | | | | |
| Upto & 1985-86 | — | — | — | — | 18.09 | — | 112.58 | — | — | — |
| 1986-87 | — | — | — | — | 24.86 | — | 31.87 | — | — | — |
| 1987-88 | — | — | — | — | 111.87 | 116.21 | 58.18 | 85.25 | — | — |
| Total : | — | — | — | — | 154.82 | 116.21 | 202.71 | 85.25 | 42.82% | 67.59% |
| Grand Total : | — | — | — | — | 813.48 | 741.67 | 791.16 | 623.01 | 48.47% | 68.65% |

(7) Sewerage Tax

| Period | Outstanding as on 1-4-1987 | | Amount of bills issued during the year | | Gross Demand | | Amount of bills net Demand recalled during the year. | | | |
|-------------------------|----------------------------|------|--|--------|--------------|--------|--|-------|---------|--------|
| | R. | N.R. | R. | N.R. | R. | N.R. | R. | N.R. | R. | N.R. |
| Div. - I City | | | | | | | | | | |
| Upto & 1985-86 | 187.91 | — | 2.58 | — | 190.49 | — | 8.50 | — | 181.99 | — |
| 1986-87 | 75.79 | — | 8.43 | — | 82.22 | — | 11.21 | — | 71.01 | — |
| 1987-88 | — | — | 125.96 | 196.35 | 125.96 | 196.35 | 11.66 | 25.15 | 114.30 | 171.20 |
| Total : | 263.70 | — | 134.97 | 196.35 | 398.67 | 196.35 | 31.37 | 25.15 | 367.30 | 171.20 |
| Div. - II Western Sub. | | | | | | | | | | |
| Upto & 1985-86 | 223.45 | — | 2.99 | — | 226.44 | — | 8.19 | — | 217.95 | — |
| 1986-87 | 121.84 | — | 17.59 | — | 139.43 | — | 21.20 | — | 118.23 | — |
| 1987-88 | — | — | 331.03 | 282.39 | 331.03 | 281.39 | 35.27 | 33.23 | 295.76 | 229.16 |
| Total : | 345.29 | — | 351.31 | 282.39 | 696.60 | 282.39 | 64.66 | 33.23 | 631.94 | 229.16 |
| Div. - III Eastern Sub. | | | | | | | | | | |
| Upto & 1985-86 | 125.11 | — | 0.78 | — | 125.89 | — | 1.42 | — | 124.47 | — |
| 1986-87 | 45.23 | — | 7.04 | — | 52.27 | — | 10.71 | — | 41.56 | — |
| 1987-88 | — | — | 112.78 | 131.60 | 112.78 | 131.60 | 11.20 | 17.86 | 101.58 | 113.74 |
| Total : | 170.34 | — | 120.60 | 131.60 | 290.94 | 131.60 | 23.33 | 17.86 | 267.61 | 113.74 |
| Grand Total : | 779.33 | — | 606.88 | 590.34 | 1386.21 | 590.34 | 119.36 | 78.24 | 1266.85 | 514.10 |

8) Sewerage Benefit Tax.

| Period | Less Unsettled Demand | | Effective Demand | | Collection during the year | | Outstanding as on 31-3-1988 | | Percentage of Collection of Net Demand | |
|-------------------------|-----------------------|------|------------------|--------|----------------------------|--------|-----------------------------|-------|--|--------|
| | R. | N.R. | R. | N.R. | R. | N.R. | R. | N.R. | R. | N.R. |
| Div. - I City | | | | | | | | | | |
| Upto & 1985-86 | 166.33 | — | 4.83 | — | 171.16 | — | 8.79 | — | 162.37 | — |
| 1986-87 | 95.91 | — | 10.98 | — | 106.89 | — | 13.65 | — | 93.24 | — |
| 1987-88 | — | — | 217.29 | 490.44 | 217.29 | 490.44 | 18.33 | 56.10 | 197.96 | 434.34 |
| Total : | 262.24 | — | 233.10 | 490.44 | 495.34 | 490.44 | 41.77 | 56.10 | 453.57 | 434.34 |
| Div. - II Western Sub. | | | | | | | | | | |
| Upto & 1985-86 | 201.16 | — | 3.46 | — | 204.66 | — | 4.26 | — | 200.39 | — |
| 1986-87 | 110.41 | — | 17.00 | — | 127.41 | — | 17.05 | — | 110.36 | — |
| 1987-88 | — | — | 321.45 | 253.23 | 321.45 | 253.23 | 31.49 | 26.75 | 289.96 | 226.48 |
| Total : | 311.60 | — | 341.91 | 253.23 | 653.51 | 253.23 | 52.80 | 26.75 | 600.71 | 226.48 |
| Div. - III Eastern Sub. | | | | | | | | | | |
| Upto & 1985-86 | 84.60 | — | 0.67 | — | 85.27 | — | 1.02 | — | 84.25 | — |
| 1986-87 | 39.08 | — | 8.68 | — | 47.76 | — | 10.45 | — | 37.31 | — |
| 1987-88 | — | — | 121.24 | 118.80 | 121.24 | 118.80 | 10.40 | 16.61 | 110.84 | 102.19 |
| Total : | 123.68 | — | 130.59 | 118.80 | 254.27 | 118.80 | 21.87 | 16.61 | 232.40 | 102.19 |
| Grand Total : | 697.52 | — | 705.60 | 862.47 | 1403.12 | 862.47 | 110.44 | 99.46 | 1286.88 | 763.01 |

7) Sewerage Tax

(Amount in Lacs)

| Period | Less Unsettled Demand | | Effective Demand | | Collection during the year | | Outstanding as on 31-3-1988 | | Percentage of collection to Net Demand | | |
|---|-----------------------|------|------------------|------|----------------------------|--------|-----------------------------|--------|--|--------|---|
| | R. | N.R. | R. | N.R. | R. | N.R. | R. | N.R. | R. | N.R. | |
| Div. - I City Upto & 1985-86 | - | - | - | - | 5.83 | - | 176.16 | - | - | - | - |
| 1986-87 | - | - | - | - | 28.35 | - | 42.66 | - | - | - | - |
| 1987-88 | - | - | - | - | 75.82 | 114.32 | 38.48 | 56.88 | - | - | - |
| Total : | - | - | - | - | 110.00 | 114.32 | 257.30 | 56.88 | 29.96% | 66.77% | - |
| Div. - II Western Sub. Upto & 1985-86 | - | - | - | - | 21.92 | - | 196.03 | - | - | - | - |
| 1986-87 | - | - | - | - | 36.24 | - | 79.99 | - | - | - | - |
| 1987-88 | - | - | - | - | 175.15 | 103.33 | 120.61 | 125.63 | - | - | - |
| Total : | - | - | - | - | 235.31 | 103.33 | 396.63 | 125.63 | 37.24% | 45.09% | - |
| Div. - III Eastern Sub. Upto & 1985-86 | - | - | - | - | 10.84 | - | 113.63 | - | - | - | - |
| 1986-87 | - | - | - | - | 16.95 | - | 24.81 | - | - | - | - |
| 1987-88 | - | - | - | - | 61.75 | 78.56 | 39.63 | 35.18 | - | - | - |
| Total : | - | - | - | - | 89.54 | 78.56 | 178.07 | 35.18 | 53.46% | 69.07% | - |
| Grand Total : | - | - | - | - | 434.85 | 296.21 | 832.00 | 217.69 | 34.32% | 57.62% | - |

8) Sewerage Benefit Tax:

| | | | | | | | | | | | |
|---|---|---|---|---|--------|--------|--------|--------|--------|--------|---|
| Div. - I City Upto & 1985-86 | - | - | - | - | 17.16 | - | 145.21 | - | - | - | - |
| 1986-87 | - | - | - | - | 33.31 | - | 59.93 | - | - | - | - |
| 1987-88 | - | - | - | - | 178.58 | 280.52 | 21.38 | 173.82 | - | - | - |
| Total : | - | - | - | - | 227.05 | 280.52 | 226.52 | 173.82 | 60.06% | 59.98% | - |
| Div. - II Western Sub. Upto & 1985-86 | - | - | - | - | 15.49 | - | 184.93 | - | - | - | - |
| 1986-87 | - | - | - | - | 36.38 | - | 71.98 | - | - | - | - |
| 1987-88 | - | - | - | - | 231.84 | 112.86 | 58.12 | 113.62 | - | - | - |
| Total : | - | - | - | - | 285.68 | 112.86 | 315.03 | 113.62 | 47.56% | 49.83% | - |
| Div. - III Eastern Sub. Upto & 1985-86 | - | - | - | - | 10.23 | - | 74.02 | - | - | - | - |
| 1986-87 | - | - | - | - | 16.48 | - | 20.83 | - | - | - | - |
| 1987-88 | - | - | - | - | 82.43 | 74.13 | 28.41 | 28.06 | - | - | - |
| Total : | - | - | - | - | 109.14 | 74.13 | 123.26 | 28.06 | 48.06% | 72.84% | - |
| Grand Total : | - | - | - | - | 621.87 | 447.61 | 664.81 | 315.60 | 48.33% | 58.66% | - |

APPENDIX — VI

Statement showing total Demand, Collection and outstanding of Government Taxes and Cess during 1987-88.

(1) State Education Cess
(Amount in Lacs)

| Period | Out- standing as on 1-4-87 | Amount of bills issued during the year | Gross demand | Amount of bills recall- ed during the year | Net Demand | Less Unsettled demand | Effective Demand | Collec- tion dur- ing the year | Out- standings as on 31-3-88 | Percen- tage of collection to net demand. |
|---|-------------------------------------|---|-----------------|---|---------------|-----------------------------|---------------------|---|---------------------------------------|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Div. I. City. Upto & 1985-86 | 373.94 | 11.03 | 384.97 | 20.63 | 364.34 | — | — | 37.02 | 327.32 | — |
| 1986-87 | 228.65 | 31.61 | 260.26 | 37.22 | 223.04 | — | — | 85.62 | 137.42 | — |
| 1987-88 | — | 1252.21 | 1252.21 | 138.38 | 1113.85 | — | — | 761.30 | 352.55 | — |
| Total : | 602.59 | 1294.85 | 1897.44 | 196.21 | 1701.23 | — | — | 883.94 | 817.29 | 51.85% |
| Div. II Western Subs. Upto & 1985-86 | 298.01 | 8.46 | 306.47 | 10.75 | 295.72 | — | — | 24.60 | 271.06 | — |
| 1986-87 | 178.51 | 32.63 | 211.14 | 34.41 | 176.73 | — | — | 71.90 | 104.83 | — |
| 1987-88 | — | 929.33 | 929.33 | 99.86 | 829.47 | — | — | 548.20 | 281.27 | — |
| Total : | 476.52 | 970.42 | 1446.94 | 145.02 | 1301.92 | — | — | 644.76 | 657.16 | 49.52% |
| Div. III Eastern Sub. Upto & 1985-86 | 212.29 | 2.32 | 214.61 | 2.48 | 212.13 | — | — | 22.52 | 189.61 | — |
| 1986-87 | 80.08 | 19.97 | 100.03 | 18.97 | 81.06 | — | — | 38.18 | 42.88 | — |
| 1987-88 | — | 404.38 | 404.38 | 45.49 | 358.89 | — | — | 255.89 | 103.00 | — |
| Total : | 292.35 | 426.67 | 719.02 | 66.94 | 652.08 | — | — | 316.59 | 335.49 | 48.55% |
| Grand Total : | 1371.46 | 2691.94 | 4063.40 | 408.17 | 3655.23 | — | — | 1845.29 | 1809.94 | 50.48% |

(2) Urban Immoveable Property Tax
(Amount in lacs)

| | | | | | | | | | | |
|------------------------|------|---|------|---|------|---|---|------|------|-------|
| Upto & 1982-83 City | 0.26 | — | 0.26 | — | 0.26 | — | — | — | 0.26 | — |
| W. Subs. | 1.19 | — | 1.19 | — | 1.19 | — | — | 0.01 | 1.18 | 0.84% |
| E. Subs. | 1.07 | — | 1.07 | — | 1.07 | — | — | 0.01 | 1.06 | 0.93% |
| Total : | 2.52 | — | 2.52 | — | 2.52 | — | — | 0.02 | 2.50 | 0.79% |

(3) Employment Guarantee Cess
1987-88

(Amount in Lacs)

| Period | Out- standing as on 1-4-87 | Amount of bills issued during the year | Gross demand | Amount of bills recall- ed during the year | Net Demand | Less Unsettled demand. | Effective Demand | Collec- tion dur- ing the year | Out- standings as on 31-3-88 | Percen- tage of collection to net demand. |
|---|-------------------------------------|---|-----------------|---|---------------|------------------------------|---------------------|---|---------------------------------------|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Div. I. City Upto & 1985-86 | 166.79 | 3.15 | 169.94 | 5.28 | 164.66 | — | — | 11.74 | 152.92 | — |
| 1986-87 | 58.53 | 5.05 | 62.18 | 9.23 | 52.95 | — | — | 16.53 | 36.42 | — |
| 1987-88 | — | 258.83 | 258.83 | 32.36 | 226.47 | — | — | 159.36 | 67.11 | — |
| Total : | 223.32 | 267.03 | 490.95 | 46.87 | 444.08 | — | — | 187.63 | 256.45 | 42.25% |
| Div. II Western Subs. Upto & 1985-86 | 81.62 | 1.64 | 83.26 | 2.07 | 81.19 | — | — | 4.54 | 76.65 | — |
| 1986-87 | 37.99 | 3.94 | 41.93 | 4.25 | 37.68 | — | — | 8.85 | 28.83 | — |
| 1987-88 | — | 127.60 | 127.60 | 13.99 | 113.61 | — | — | 63.29 | 50.32 | — |
| Total : | 119.61 | 133.18 | 252.79 | 20.31 | 232.48 | — | — | 76.68 | 155.80 | 32.98% |
| Div. III Eastern Sub. Upto & 1985-86 | 44.70 | 0.66 | 45.36 | 0.50 | 44.86 | — | — | 3.47 | 41.39 | — |
| 1986-87 | 14.33 | 3.59 | 17.92 | 3.34 | 14.58 | — | — | 6.92 | 7.66 | — |
| 1987-88 | — | 67.84 | 67.84 | 8.79 | 59.05 | — | — | 40.96 | 18.09 | — |
| Total : | 59.03 | 72.09 | 131.12 | 12.63 | 118.49 | — | — | 51.35 | 67.14 | 43.34% |
| Grand Total : | 401.96 | 472.90 | 874.86 | 79.81 | 795.05 | — | — | 315.66 | 479.39 | 39.70% |

(4) Additional State Education Cess

(Amount in Lacs)

| | | | | | | | | | | |
|------------------|------|---|------|---|------|---|---|------|------|-------|
| (Upto & 1973-74) | | | | | | | | | | |
| City | 0.61 | — | 0.61 | — | 0.61 | — | — | — | 0.61 | — |
| W. Subs. | 2.67 | — | 2.67 | — | 2.67 | — | — | 0.02 | 2.65 | 0.76% |
| E. Sub | 2.49 | — | 2.49 | — | 2.49 | — | — | 0.04 | 2.45 | 1.61% |
| Total : | 5.77 | — | 5.77 | — | 5.77 | — | — | 0.06 | 5.71 | 1.03% |

(5) Repairs and Reconstruction Cess

(Amount in Lacs)

| Period | Out- standing as on 1-4-87 | Amount of bills issued during the year 1987-88 | Gross Demand | Amount of bills recall- ed during the year 1987-88 | Net Demand | Less Unsettled Demand. | Effective Demand 87-88 | Collec- tion dur- ing the year 87-88 | Out- standings as on 31-3-88 | Percen- tage of collection to net demand. |
|---|-------------------------------------|--|-----------------|--|---------------|------------------------------|------------------------------|--|---------------------------------------|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Past & Previous years upto & 1986-87 | | | | | | | | | | |
| A | 16,89.55 | 95.41 | 17,83.96 | 94.39 | 16,89.57 | — | 16,89.57 | 7.29 | 13,62.28 | |
| B | 1,39.80 | 2.90 | 1,42.70 | 3.91 | 1,38.79 | — | 1,38.79 | 19.84 | 1,18.95 | |
| C | 1,98.72 | 8.86 | 2,06.58 | 6.40 | 2,00.18 | — | 2,00.18 | 24.31 | 1,75.87 | |
| Total : | 20,28.07 | 1,06.17 | 21,33.24 | 1,04.70 | 20,28.54 | — | 20,28.54 | 3,71.44 | 16,57.10 | 18.31% |
| Current Year 1987-88 | | | | | | | | | | |
| A | — | 14,65.18 | 14,65.18 | 1,58.59 | 13,27.59 | — | 13,27.59 | 5,82.98 | 7,44.61 | |
| B | — | 1,03.20 | 1,03.20 | 6.78 | 96.42 | — | 96.42 | 42.88 | 53.54 | |
| C | — | 1,36.69 | 1,36.69 | 11.80 | 1,24.79 | — | 1,24.79 | 63.67 | 61.12 | |
| Total : | — | 17,25.07 | 17,25.07 | 1,77.27 | 15,48.80 | — | 15,48.80 | 6,89.53 | 8,59.27 | 44.52% |
| Grand Total : | 20,28.07 | 18,31.24 | 38,59.31 | 2,81.97 | 36,77.34 | — | 36,77.34 | 10,60.97 | 25,16.37 | 39.66% |

APPENDIX — VII

Bills issued during the year 1987-88

| | CITY | | WESTERN SUBS. | | EASTERN SUBS. | | GRAND TOTAL | |
|--|-------------------------------|------------------|-------------------------|------------------|-----------------------------|------------------|-----------------------------|------------------|
| | Past and Pre- vious years. | Current year. | Past and pre- years. | Current year. | Past & pre- vious years. | Current year. | Past & pre- vious years. | Current year. |
| | No. of bills | No. of bills | No. of bills | No. of bills | No. of bills | No. of bills | No. of bills | No. of bills |
| (1) Property Taxes | 2,076 | 1,20,554 | 4,929 | 2,02,773 | 3,239 | 1,23,565 | 10,244 | 4,46,892 |
| (2) Water Charges by Meter Measurement including Meter Hire. | 2,611 | 82,368 | 7,924 | 3,35,091 | 2,453 | 84,830 | 12,988 | 5,02,289 |
| (3) Wheel Tax. | 9,41,121 | 2,41,996 | 4,09,390 | 1,15,547 | 2,99,921 | 68,504 | 16,50,432 | 4,26,047 |

APPENDIX — VIII

Break-up of locked up outstanding of Municipal Taxes and Charges as on 31st March 1988.

(Rs. in Crores)

| | City | W. Subs. | E. Subs. | Total |
|--|-------|----------|----------|--------|
| (1) Amount involved in Writ Petitions, appeals, etc. (G.T., E.C./G Budget Taxes) | 4.90 | 4.92 | 1.43 | 11.25 |
| (2) Amount involved in Complaints against R. V. | 17.31 | 4.99 | 1.96 | 24.26 |
| (3) Amount involved in unauthorised structures, G.T., E. C./G Budget Taxes | 0.73 | 7.81 | 8.49 | 17.03 |
| (4) Taxes due from other departments pending adjustment. | 1.01 | 0.41 | 0.54 | 1.96 |
| (5) Property Taxes dues from Govt., B.P.T., Railways, etc. | 3.21 | 1.71 | 0.05 | 4.97 |
| (6) Water charges being amount of monthly and quarterly issue and disputes regarding rates and consumption in respect thereof. | 9.96 | 1.06 | 2.20 | 23.22 |
| (7) Attachment cases under process | 2.80 | 2.26 | 1.54 | 6.60 |
| (8) Instalment Allowed. | 0.36 | 0.19 | 0.23 | 0.78 |
| (9) Property & Wheel Tax disputes | 6.87 | 3.96 | 3.02 | 13.85 |
| (10) Bills issued at the tax end of the years. | 2.94 | 5.92 | 3.49 | 12.35 |
| (11) Arrears of textile mills & N. T. C. | 4.83 | 0.03 | 0.13 | 4.99 |
| (12) Disputes of under consumption bills (water charges) | 1.67 | 0.24 | 0.17 | 2.08 |
| (13) Court Cases of water charges disputes | 2.16 | 0.60 | 0.80 | 3.56 |
| (14) Official Liquidator | 0.91 | 0.02 | — | 0.93 |
| Recoverable as on 31st March 1988. | 7.94 | 9.29 | 11.88 | 29.11 |
| Total balance as on 31-3-1988 : | 67.60 | 53.41 | 35.93 | 156.94 |

- (1) The matters are pending before the Court and recovery would be effected as and when appeals and petitions before the Court are disposed of.
- (2) Complaints are pending and the payments can be demanded after disposal of complaints against Rateable Value.
- (3) Since the numbering of hutment recovery has received set back and the arrears have mounted up. The position may improve only when question is finally settled and compensation recovered from hutment dwellers is made available.
- (4) Amount awaits adjustment.
- (5) Payment was not received from Govt. Deptts. The Railways have made 'on account' payment of Rs. 200.00 lacs during 1987-88. The question of assessment of Railway properties from 1st April 1977 is under process.
- (6) Water meters often go out of order and require repairs and testing. Dispute on account of high consumption, wrong rate require verification, sanction etc. at different levels.
- (7) Properties have been attached and steps have since been taken to expedite the sale of properties attached.
- (8) The recovery would be effected in due course.
- (9) Efforts are being made to settle the disputes so as to effect recovery.
- (10) Recovery is in progress.
- (11) Textile Mills and Mills under N. T. C. do not pay bills in time due to financial crisis. Many mills are declared as sick mills. Disconnection of water supply though possible as per rules, is not enforced so far as it would affect production and increase unemployment.
- (12) Provision of Rule 111(d)(i) of water charges rules are struck down by High Court.
- (13) Recovery can be effected on disposal of suits.
- (14) Recovery is possible subject to availability of funds with official liquidator.

APPENDIX — IX
Cinema Theatre and Tax

| | No. of Theatres Class I | No. of Theatres Class II | Total No. of Theatres | Collection during 1986-87 | Collection during 1987-88 |
|---------------|-------------------------------|--------------------------------|--------------------------|---------------------------------|---------------------------------|
| | | | | Rs. | Rs. |
| City | 66 | — | 66 | 17,20,608/- | 17,75,416.65 |
| Western Subs. | 40 | — | 40 | 9,35,524/- | 6,07,475.10 |
| Eastern Subs. | 22 | — | 22 | 5,44,131/- | 9,93,801.00 |
| | 128 | — | 128 | | |
| | | | Total : | 32,00,263/- | 33,76,692.75 |

(B) Vehicles and Animals taxed under Public Conveyance Act

| | |
|--|--------|
| (a) Hack Victories (2 Horses each) | 184 |
| (b) Labour Carts (with pair of bullocks) | 257 |
| (c) Hand Carts | 12,041 |

Vehicles and Animals taxed during the year 1987-88.

| Vehicles or Animals taxed during the year | No. | Vehicles or Animals taxed during the year | No. |
|--|----------|---|----------|
| 1) Motor cycle solo. | 1,73,565 | 12) Passenger Buses | 2,197 |
| 2) Motor cycle with side car. | 3,960 | 13) Ambulance | 198 |
| 3) Trade certificates | 36 | 14) Others | — |
| 4) Motor lorries | 27,184 | 15) Four wheeled vehicles drawn by animals | 25 |
| 5) Delivery Vans | 15,701 | 16) Two wheeled vehicles drawn by animals | 203 |
| 6) Trailors | 649 | 17) Hand Carts | 12,041 |
| 7) Tankers | 1,011 | 18) Horses | 136 |
| 8) Cranes | 603 | 19) Ponies | 2,748 |
| 9) Motor Trucks | 348 | 20) Bullocks | 702 |
| 10) Motor Cars | 2,02,509 | 21) Auto Rickshaw | 24,602 |
| 11) Taxis | 33,098 | | |
| | | | 5,01,516 |

APPENDIX — X
Classification of properties according to Rateable Value

| Rateable Value | City No. of properties | Western Sub. No. of properties | Eastern Sub. No. of properties | Total No. of Properties. |
|--------------------------------------|------------------------------|--------------------------------------|--------------------------------------|--------------------------------|
| Below Rs. 200/- | 7,681 | 20,816 | 12,933 | 41,430 |
| Between Rs. 201/- to 300/- | 2,609 | 7,217 | 4,853 | 14,679 |
| Between Rs. 301/- to 400/- | 2,707 | 6,071 | 4,004 | 12,782 |
| Between Rs. 401/- to 500/- | 2,404 | 4,748 | 2,956 | 10,108 |
| Between Rs. 501/- to 750/- | 3,857 | 8,135 | 6,024 | 18,016 |
| Between Rs. 751/- to 1,000/- | 2,648 | 5,480 | 3,800 | 11,928 |
| Between Rs. 1,001/- to 1,500/- | 4,110 | 7,842 | 4,942 | 16,894 |
| Between Rs. 1,501/- to 2,000/- | 3,104 | 4,601 | 3,211 | 10,916 |
| Between Rs. 2,001/- to 5,000/- | 9,762 | 11,009 | 7,819 | 28,590 |
| Between Rs. 5,001/- to 10,000/- | 7,006 | 6,079 | 3,784 | 16,869 |
| Between Rs. 10,001/- to 20,000/- | 5,152 | 6,943 | 3,131 | 15,226 |
| Between Rs. 20,001/- to 30,000/- | 1,797 | 3,715 | 1,470 | 6,982 |
| Between Rs. 30,001/- to 40,000/- | 945 | 2,066 | 835 | 3,846 |
| Between Rs. 40,001/- to 50,000/- | 684 | 1,391 | 514 | 2,589 |
| Between Rs. 50,001/- to 1,00,000/- | 1,538 | 2,897 | 929 | 5,364 |
| Between Rs. 1,00,001/- to 1,50,000/- | 644 | 791 | 315 | 1,750 |
| Between Rs. 1,50,001/- to 2,00,000/- | 330 | 364 | 126 | 820 |
| Between Rs. 2,00,001/- to 2,50,000/- | 201 | 218 | 78 | 497 |
| Between Rs. 2,50,001/- to 3,00,000/- | 154 | 121 | 33 | 308 |
| Between Rs. 3,00,001/- & Above | 534 | 286 | 117 | 937 |
| Total | 57,867 | 1,00,790 | 61,874 | 2,20,531 |

Assessment and Collection Department

| Sr. No. | Designation | Name of the Officer | Qualification | Period | | Remarks if any |
|---------|---|----------------------|--|---------|----------|--------------------------------------|
| | | | | From | To | |
| 1. | Assessor & Collector I/c. Assessor & Collector | Shri D. R. Joshi | B. A. (Spl.) L.S.G.D. | 1-4-87 | 17-4-87 | Retired from M. S. w.e.f. 1-11-87 |
| | | Shri D. R. Joshi | B.A. (Spl.) L.S.G.D. | 18-4-87 | 31-10-87 | |
| | | Shri M. R. Prabhu | B.A. (Spl.) L.S.G.D., Pravin L.L.B.—II, L.G.S. | 1-11-87 | 31-3-88 | |
| 2. | Addl. Assessor & Collector (Octroi) | Shri D. R. Joshi | B.A. (Spl.) L.S.G.D. | 1-4-87 | 17-4-87 | |
| | | Shri M. R. Prabhu | B.A. (Spl.) L.S.G.D. Pravin, L.L.B.—II, L.G.S. L.S.G.D. | 18-4-87 | 31-10-87 | |
| | | Shri N. M. Salunke | B.A. (Spl.) | 1-11-87 | 31-3-88 | |
| 3. | Dy. Assessor & Collector (Octroi) | Shri M. R. Prabhu | B.A. (Spl.), L.S.G.D., Pravin L.L.B.—II, L.G.S. | 1-4-87 | 17-4-87 | Vacant for 18-4-87 to 17-5-87 |
| | | Shri K. G. Bhide | Matric, L.S.G.D. | 18-5-87 | 25-6-87 | |
| | | Shri V. A. Lokapur | B.A., L.S.G.D. | 26-6-87 | 30-9-87 | |
| | | Shri Y. R. Gosavi | Matric, L.S.G.D. | 1-10-87 | 7-10-87 | |
| | | Shri V. A. Lokapur | B.A., L.S.G.D. | 8-10-87 | 29-2-88 | |
| | | Shri Y. R. Gosavi | Matric, L.S.G.D. | 1-3-88 | 31-3-88 | |
| 4. | Dy. Assessor & Collector (Western Suburbs) | Shri S. D. Madiwale | S.S.C. | 1-4-87 | 31-3-88 | |
| 5. | Dy. Assessor & Collector (City) | Shri N. M. Salunke | B.A. (Spl.) | 1-4-87 | 31-10-87 | |
| | | Shri K. G. Rahalkar | B.A., L.S.G.D., L.G.S. | 1-11-87 | 31-3-88 | |
| 6. | Dy. Assessor & Collector (Eastern Suburbs) | Shri K. G. Bhide | Matric L. S. G. D. | 1-4-87 | 30-9-87 | |
| | | Shri V. A. Lokapur | B.A., L.S.G.D. | 1-10-87 | 7-10-87 | |
| | | Shri Y. R. Gosavi | Matric L. S. G. D. | 8-10-87 | 29-2-88 | |
| | | Shri P. B. Janvalkar | B. Com. | 1-3-88 | 31-1-88 | |
| 7. | Dy. Assessor & Collector (Vigilance) | Shri S. S. Desai | B.A. (Spl.) L.S.G.D. | 1-4-87 | 31-1-88 | |
| | | Shri S. R. Joshi | S.S.C. | 1-2-88 | 29-2-88 | |
| | | Shri K. G. Kulkarni | S.S.C., Pravin | 1-3-88 | 31-3-88 | |
| 8. | Dy. Assessor & Collector (Octroi/Refund) | Shri K. G. Rahalkar | B.A., L.S.G.D., L.G.S. | 1-4-87 | 31-10-87 | |
| | | Shri K. G. Kulkarni | S.S.C., Pravin | 1-11-87 | 29-2-88 | |
| | | Shri G. G. Jadhav | B.A. (Spl.) L.L.M., L.S.G.D. | 1-3-88 | 31-3-88 | |
| 9. | Dy. Assessor & Collector (Computer) | Shri R. D. Inamdar | B.A. (Spl.), L.S.G.D., L.G.S. First L.L.B., General. | 1-4-87 | 17-5-87 | |
| | | Shri H. M. Shah | B.A. (Spl.) L.L.B. | 18-5-87 | 31-3-88 | |

EDUCATION DEPARTMENT

Under Section 61(g) of the Bombay Municipal Corporation Act, it is incumbent on the Corporation to provide primary Education to the children of school going age between 6 to 11 years and this responsibility is being carried out by the Education Department of the Corporation right from 1907.

In addition to the primary Education, the Corporation also run a few Secondary schools since 1965 just to give a helping hand to the State Government.

The entire supervision and administration of Education Department was carried out by the Education Officer, Dr. Smt. S. V. Desai, B. A. (Hons), M. Ed., Ph. D (Bombay), M. A. (London) up to 31-10-87, Shri B. P. Naik, E. A., (Hons.) M.A., B.Ed. from 1-11-1987 as the Head of the department with assistance of officers on academic side as well as the Administrative staff.

School Premises

In order to meet the ever increasing Educational needs of all the children, the Corporation has planned a programme of construction of school buildings at various places. The position of the school premises is shown in the statement given below :—

| | As on 1st March 1987 | | As on 31st March 1988 | |
|----------------------|-------------------------|--------------------------|-------------------------|--------------------------|
| | No. of schools premises | No. of schools conducted | No. of schools Premises | No. of schools conducted |
| (1) Municipal owned. | 311 | 968 | 311 | 968 |
| (2) Rented building. | 345 | 328 | 345 | 328 |
| (3) Rent free. | 27 | 29 | 27 | 29 |
| Total | 682 | 1325 | 683 | 1325 |

The construction of additional class-rooms has helped in reducing the congestion in the class rooms.

Teachers

Every year, the Department has to recruit teachers due to increase in the number of students as also for those who are superannuated, retired, resigned and/or expired.

Private Primary Schools

In addition to our own Municipal schools, the Department controls private primary schools by way of giving them recognition and grant-in-aid. The number of students in private primary schools is also increasing.

Special Education

In addition to the normal school children the Corporation conduct special education classes especially for the mentally retarded children and to centres for the Deaf and the dumb with assistance of B. Y. L. Nair Charitable Hospital and L. T. M. G. hospital. The position of the classes held and the pupils benefitted are given as below :—

| Medium | No. of classes | No. of divisions | No. of teachers | No. of children | Average |
|---------------------------------------|----------------|------------------|-----------------|-----------------|---------|
| Marathi, Gujarati, Hindi, English. | 15 | 42 | 34 | 634 | 557 |

Information regarding Junior Colleges of Education

In addition to the primary schools, the department conducts two Junior Colleges of Education for Urdu Teaching one each for male and females at Mahim and Imamwada respectively.

| | No. of students | 1st year D. Ed. | 2nd year D. Ed. | Teaching staff. Principal/one |
|--|-----------------|-----------------|-----------------|---|
| 1. Municipal Urdu teachers Junior College of Education, Mahim. | 78 | 42 | 36 | 1) Principal one 2) Full time Instructors.— 4 3) Physical part time Instructor—1 4) Spl. Teachers for drawing, Music, Craft and Marathi etc-4. |
| 2. Junior College Education Imamwada | 258 | 127 | 131 | 1 Principal 2 Full time Instructors —14. 3 Part time Instructors for physical education — 1. 4 Spl. teachers for teaching subject viz., sewing, drawing, Music, Marathi etc—4. |

The different activities of the department organised through the different Section.

| Name of Section | Activity | No. of Participants/Beneficiaries. |
|------------------------|--|---|
| 1 | 2 | 3 |
| 1. Sr. Sup. Phy. Inst. | (1) Physical Training-Institute. Drill Competitions Game —" Annual sports. Mass Drill. | 280 teachers completed the training in 3 batches from June 1987 to March 1988. 12,335 students. 11,000 students. 6,144 students. 8,000 students. |
| Scout/Guide | R. S. P. Units. Activities. Monsoon Hikes Revision course Judges Trg. Camp. Social service Project. Project S/G Sports & Rallies 25th Presidents S/G Rally. Craft standard Judging Camp. | Total Units 70 Pupils 3360 Instructors 70 Cub. Masters 143 Cubs 2574 Scout Masters 121 Scouts 2904 Clock Leaders 109 Bulbuls 1926 Guide Captains 112 Guides 2688 Teachers/Oftrs. 77 Officers 33 Trs. Officers & Incharges 116 Including student 63 Trs. and Officers. 3500 Pupils 400 Trs. 2 Scouts, 6 Guides and 1 Tr. 204 pupils including Judges and officers. |

| Name of Section | Activity | No. of participants Beneficiers. |
|--|--|--|
| 1. | 2 | 3 |
| Bal Bhavan Centres. (No. of Bal Bhavans : 47) | Organising different games, handicrafts, drawing painting, folk songs, dramatic, elevation etc., and other programmes at all centres after school hours. | 45 centres. 1780 participants. |
| Audio Visual Section. | Schools No. of film shown No. of students benefited. | 460 1593 2,25,750 |
| Teaching Training. | Teaching Aid Centres for Inservice Tr. Teaching Aid centre at Gilder Tank prepared different teaching aids. Printing Section of Teaching Aid | 1 centre — 300 Trs. 1000 Nos. 5,00,000 in 2 languages. |
| Teaching Aid Centre. | Centre printed (Pragati Magazines, booklets and different invitation cards for all the activities of the Department for the programmes etc. and diferent types of forms. | |
| Teachers Library | Centres Members Books | 4 12176 89237 |

Language Development Project :—

Activities of the language Development Project were carried out in the following broad areas.

1. Teacher Training.
2. Production of instructional material.
3. Research and Evaluation.

These broad areas were covered in respect of five languages in namely English, Marathi, Hindi, Gujarati and Urdu.

Teacher Training :

Teacher training is an important activity at the project centre during the year 1987-88, a number of Training programme, workshops orientation lectures, seminars and literary programmes were organised in the area of English language teaching and mother tongue teaching.

DEPARTMENT OF ENGLISH

The fourth correspondence-cum-contact Course in English which is of 8 months duration was carried to a successful completion. The contact sessions were held every 15 days and the teacher trainees were given units and lectures on "Methods of teaching English, English grammar" and spoken English. They were also shown films, film strips, video films and they were given a course in spoken English through audio cassettes. 81 teachers appeared in the final examination of this course which was held in July 1987. A function was held for the distribution of certificates to the successful teacher-trainees who had successfully completed the Correspondence-cum-Contact Course. 76 teachers-trainees received the certificates in the function organised in which Mr. Ventat Charl, Addl. Municipal Commissioner (V) was the Chief Guest. The first four teacher-trainees were given prizes by Mr. Charl.

As per the instructions of Ex. Adl. M. C., Shri Ajit Warty five batches of teachers attended Correspondence-cum-Contact C course in English during the year 1987-88. Shri Ajit Warty felt that the facilities at the Language Development Project should be extended to a larger number of teachers teaching English and hence about 204 teachers registered their names for the Correspondence-cum-Contact Course in English including a batch of about 25 Secondary Teachers teaching English in Std. V to VII. Because of the appointment of a full time Language Training Officer in English two more components in the curriculum of the C. C. C. were added to the existing course.

- 1) Conversational English
- 2) Functional English

During the contact sessions, the teacher-trainees are exposed to language laboratory experiences and a number of Films, film strips, slides etc. are shown to the trainees. The contact sessions which were part-time till 1985, were made fulltime during 1986-87.

As the contact sessions for the five batches of teachers taking the C. C. C. twice a month come to about 10 days in a month. We could not accommodate teacher-trainees from private institutions for the training in spoken English this year. However, the five day spoken English Course was given to about 20 teacher-trainees from Somaiyya Vidya Vihar and teachers from Girton High school on payment of Rs. 25/— per person.

A three-day workshop of about 25 teachers working in secondary schools run by the Vidya Vardhini Education Society was conducted by L. D. P. at the request of the management of the school. It was the first time that L. D. P. conducted a workshop for the teachers working in private institutions. The teachers from far away places like Jat and Akkalkot attended this workshop.

A workshop for the preparation of tasks in functional English was held for two weeks. 29 activities and four tasks per activity were prepared by the resource persons, Ms. Rochelle D'Souza and Ms. Lorna Barrett from Jai Hind College and St. Ann's College respectively. Five secondary teachers were selected by a selection Committee for conducting spoken English Courses for bright students of Std. IX in Municipal Secondary Schools. These teachers were trained in the Audio—Active Course in English prepared by linguaphone. They were also deputed to R. I. E. Bangalore to attend the conference on the teaching of English in May June 1987. These five selected teachers conducted the spoken English Course at 10 centres in Secondary Schools in Bombay. The Centres were 1) Topiwala Lane Sec. school 2) Mahim Sec. School 3) Nana Chowk Sec. school 4, Rajda Nagar Sec. School 5) Vile-Parle Sec. School 6) Naigaum Sec. school 7) Malvani Sec. School 8) Vile-Parle (W) Sec. school 9) G. K. Marg Sec. school 10) Agripada Sec. school 11) Shindewadi Sec. School. About 920 students of Std. IX participated in this spoken English Course and they will be given some books as gifts as a token present. The spoken English Course was supported by specially prepared charts, cassette recorders and there is a demand from many secondary schools for conducting similar courses.

In addition to the five secondary teachers who were deputed to R. I. E. Bangalore, four officers from the department were also deputed to the conference on the subject of 'Methods in teaching English'.

Seventeen officers of the department were deputed to the H. M. Patel Institute of Research and Training at Vallabh-Vidya Nagar, Anand to attend a one-month course in English from 15th October to 14th November 1987.

The total number of teachers and students trained during the year were as follows :—

- | | |
|---------------------------------------|---|
| 1) Correspondence-cum-contact Course. | — 80 primary school teachers. |
| 2) Spoken English for students. | — 920 students of Std. IX. |
| 3) Orientation in English teaching. | — 300 Marathi Urdu teachers under massive teacher training programme. |
| 4) Part-time orientation to teachers. | — 472 Teachers from Municipal & private schools. |

As the L. D. P. is on the visiting lists of all the colleges of Education in Bombay groups of teachers, teacher trainees, experts in language teaching and educationists all over India visit the L. D. P. in groups and individually. Batches of teachers who are being trained under the massive teacher training programmes continuously visit the L. D. P. and they are shown the language laboratory and other audio visual equipment available at L. D. P.

1) Special Workshops conducted in the teaching of language.

A four-day workshop was organised at the L. D. P. in April 1987 on the subject of evaluation. The Resource Person was Mr. Gregory James who was sponsored by the British Council. Two general lectures were arranged for the officers of the department and other educationist on evaluation and the skill tests prepared by the Hindi and Marathi department were discussed and reviewed by Mr. Gregory James during the course of this workshop.

2) Children's Literature Week.

In collaboration with the Child Development and Education centre was organised at the Nehru Centre in the first week of January 1988. A number of activities for the promotion of "Reading for enjoyment" were conducted for the pupils of Municipal and Private schools.

A number of guidance lectures were simultaneously arranged for parents and teachers. About 300 Municipal students and 13 teachers participated in this workshop.

3) A three-week workshop on the Development of Writing Skills.

Was organised by L. D. P. and the Resource Person sponsored by British Council was Mr. Jeremy Rowe. Demonstration lessons on writing skills were organised in Nana Chowk Secondary school and about 25 teachers teaching in Municipal school participated in this workshop.

4) A five day Workshop on the use of Drama Techniques for the.

Development of Language was organised with the help of British Council. This workshop was attended by a number of teachers working in the field of dramatics, teachers from private schools and the L. D. P. staff. The Resource Person was Mrs. Elaine Philips. It was held on 7th to 11th March 1988.

As a follow-up-programme of the training of teachers working in the beats of officers who attended the one month course at 'Anand' a half day work shop is organised on the last day of every month. Every month end, about 60 teachers from the beats of 'Anand' trained officers visit L. D. P. and they are exposed to language laboratory experiences, shown films and video films and given training in audio lingual drills.

MOTHER—TONGUE DEPARTMENT

1. An Audio Visual show of two famous classic fairy tales in English was shown to about 2000 students of Std. II and III. These fairy tales were translated in to Marathi, Gujarati, Hindi and Urdu.

2. Tests based on Listening and Reading Skills for primary level students have been prepared in Hindi and Marathi and these tests are being administered to students in Municipal Schools.

| Language | Name of Programme | Name of resource persons | Month | No. of tra. attended. |
|--|---|--|-------------|-----------------------|
| Marathi | 1) A programme for trs. of Std. V, VI and VII on prose and poetry | 1) Prof. Digamber Padhye Vile Parle College | July 1987 | 1556 |
| | | 2) Prof. Shankar Vaidya renowned poet and critic | --- | |
| | | 3) Prof. Vasant Bapat renowned poet. | August 1987 | |
| | | 4) Prof. Gangadhar Gadgil. renowned author & critic. Ex. Chairman of Sahitya Parishad | Sept. 1987 | |
| Gujarati | 1) Audio Visual Programme based on literary personalities for teachers of Std. V, VI & VII. | 1) Shri Ajit Sheth | Sept. 1987 | 200 |
| | | 2) Shri Anil Joshi | | |
| | | 3) Smt. Nirupama Sheth. | | |
| | | | | |
| Gujarati | 2) Teacher Training programme based on new trends in literature and medieval poetry for teachers of Std. V, VI & VII. | Dr. Suresh Dalal Shri Harindra Dave. | Sept. 1987 | 350 |
| | | | | |
| | | Shri Anil Joshi | Oct. 1987 | |
| | | | | |
| Gujarati | 3) Teacher Training programme on poem appreciation based on Std. V textbook. | | | 75 |
| | | | | |
| | | | | |
| | | | | |
| Gujarati | 4) Teacher Training programme on poem appreciation based on Std. V textbook. | Shri Anil Joshi | Nov. 1987 | 50 |
| | | | | |
| | | | | |
| | | | | |
| Hindi | 1) A programme for teachers of Std. V from Beat No. 1 and 2 | 1) Shri Nandlal Pathak | June 1987 | 45 |
| | | 2) Shri Vinod Godre | | |
| | | 3) Smt. Rajam From Bombay University | | |
| | 2) Literary programme for the enrichment of teachers | 1) Prof. T.N. Pathak M. V. College | July 1987 | 101 |
| | | 2) Dr. S. Nathani prof. St. Xaviers' | | |
| | | 3) Dr. I. B. Singh Reader Somaiyya College. | | |
| 3) Literary programme for the enrichment of teachers | | 4) Dr. L. Nahata prof. M.V. College | | |
| | | 1) Dr. I. B. Singh Somaiyya College | Aug. 1987 | 80 |
| | | 2) Mr. A. N. Tiwari | | |
| | | 3) Prof. T. N. Pathak M.V. College. | | |
| 4) Prof. Pande Somaiyya College. | | | | |
| Urdu | 1) A one-day programme for teachers of Std. V. | Prof. F.M. Siddique | July 1987 | 65 |
| | | | | |
| | | | | |
| Urdu | 2) A programme on the contribution of Urdu in the Freedom struggle at Imamwada Mun. Urdu Sch. Hall. | Dr. Zoe Ansari | Aug. 1987 | 225 |
| | | | | |
| Urdu | 3) A programme at Nair hosp. auditorium given by the famous urdu poet | Shri Janab Ali sardar Jafri | Sept. 1987 | 300 |

WORKSHOPS

| Language | Topic | No. of days | No. of teachers attended |
|----------|--|------------------------------------|--------------------------|
| Marathi | 1) Training for resource persons to teach Marathi as a second language. | 7 | 10 |
| 214 | 2) How to develop Reading skills for students of Std. II | 18 days (3 days each at 6 centres) | |
| Hindi | Essay Writing | 1 day | 29 |
| Urdu | 1) Workshop for teachers of Std. I on "Introduction of alphabets" and Method of joining syllables" at 4 centres. | 4 days (at 4 centres) | 125 |
| | 2) Urdu Grammar | 2 days (in August) | 10 |

Marathi :—

A 3 tier course in Marathi was prepared for teaching the language to non-Marathi teachers. The course consists of audio-tapes, a booklet on conversational Marathi and printed books on substitution tables.

About 200 non-Marathi teachers are taking the Marathi Course prepared by L.D.P. at 10 different centres in Bombay. These teachers were trained from August 1987 to March 1988. They were examined in Marathi at the end of the course and their results are being prepared.

Mrs. Dhavan, A. O. (S) one of the member of the Committee for the preparation of the "8-week programme for Std. I" assisted in the preparation of the activities.

The Marathi Department of L.D.P. assisted the Teachers' Training Centre at Hindu Colony as resource persons and three lectures were given.

Gujarati :

Guidance lectures for S.S.C. Students were given in Gujarati Secondary Schools in Borivall, Goregaon and Kandivali.

Poems based on the alphabet were prepared for Std. I.

A script on metres based on the S.S.C. textbook was prepared for students and teachers.

A script for childrens' puppet play was written for the Child Development Centre. The objective was to motivate reading skills.

Hindi :

A report on the Action Reserch Project on Essay Writing for Std. IV was finalised and distributed to schools.

Reviewing of Hindi Multi-level reading uaterial has been completed.

Urdu :

Guidance material prepared for Std. VII based on the textbook was distributed to schools.

The work of Reading comprehension was completed in Nizampura U. P. School.

Grammar Units for teachers of Std. V, VI were completed

The project regarding Urdu alphabet is in progress.

A training programme based on grammer was conducted and 30 teachers attended a programme in 3 centres on activities in language teaching for Std. I

PRODUCTION OF MATERIAL :

The following publications have been printed by the L.D.P. in languages mentioned against their name. These books have been distributed to various municipal schools.

1. भाषिक कौशल्य A booklet based on development of four language skills for teachers.
2. थोडीशी गंमत A book of puzzles in Marathi.
3. शिक्षकांसाठी हस्तपुस्तिका A Teachers' Guide based on Balbharati Std. IV. in Hindi.
4. शिक्षकॉकेलिये हस्तपुस्तिका A Teachers' Guide based on Balbharati Std. IV in Hindi.
5. Simple sketches for teaching of Eng. A book of Match stick figures based on structures of Std. V.
6. चकलीबोले चीचीची A book for Supplementary reading for students of Std. I and II in Gujarati.
7. Hamjoli A collection of poems based on Balbharati of Std. I in Urdu. This is still in cyuclostyle for but is accompanied by audio cassette.

Audio cassettes :

Taping of poems were done in the following languages :

- | | |
|---------------|--|
| i) Marathi | (a) Balbharati Std. II and ethnic songs. (b) Part I Spoken Marathi of the 3 tier Marathi Cours. |
| ii) Hindi | Balbharati Stds. II, III and V also recording of prayers for Std. I. |
| iii) Gujarati | Balbharati Std. III and VI. |
| iv) Urdu | Balbharati Std. V and recording of two short stories |

Video cassettes :

Video films were not produced by L.D.P. this year but the following video courses produced by B.B.C. for the teaching of English were purchased this year. These films were shown to groups of teachers visiting L.D.P., teacher-trainees of the correspondence-cum-contact course and students of Std. IX attending the spoken English courses.

- 1) On we go (basic course in English)
- 2) Person to person (Intermediate course in functional English)
- 3) Bid for Power (Advance course in English).

Research Evaluation :

Small Action Research Projects were taken by the L.D.P. staff in schools and final reports are prepared for further work in that area.

- 1) Improvement of Handwriting Adarsh Nagar Marathi School.
- 2) Remedial Reading-Colaba Marathi School.
- 3) Development of oral expression-Kherwadi Hindi School.
- 4) Development of Reading Comprehension - Kherwadi Hindi School.
- 5) Use of Drama techniques in classroom - Kherwadi Marathi School.
- 6) Development of creative writing - Hasnabad Marathi School.

The listening tests discussed with Mrs. Gregory James was administered to 250 students of Std. II and a final report was prepared in this tests; A list of activities for the development of listening skill is under preparation for distribution to schools.

Important events at the Language Development Project :

Shri Ajit Warty, Addl. Municipal Commissioner, Shri Pravin Kamdar, Dy. Municipal Commissioner (I), Shri V. W. Joshi, C. A. and Shri D. T. Sidhaye, D. A. E. F., E. O. visited L.D.P. on 16-5-1987 for the follow up work with respect to the meeting of 10-2-1987 and to discuss the annual planning of L.D.P.

Shri Venkat Chari, Addl. Municipal Commissioner visited L.D.P. in December 1987 and spent three hours with teacher-trainees and students and saw all the activities of the L.D.P.

A meeting of the Local Advisory Committee of the Language Development Project was held on 4-1-1988 and the following members were present for the meeting.

- | | |
|-----------------------|-------------------------|
| 1) Dr. Willy Engineer | British Council. |
| 2) Dr. R. S. Saraf | Ex. Director, L.D.P. |
| 3) Shri N. K. Patble | Principal S. T. College |
| 4) Shri Rajmane | D. A. E. F. |
| 5) Shri B. P. Nayak | Education Officer. |

The Local Advisory Committee reviewed all the activities of the L.D.P. and discussed future planning.

Clive Brasnet, First Secretary, British Council, Bombay Division visited L.D.P. on 31-1-1988 and presided over a lecture demonstration by Mr. Jeremy Rowe, B.M.C. (I) Shri Pravin Kamdar Shri S. R. Dange, D.M.C. Zone (I), Shri Ajit Pandit, Chairman, Education Committee also remained present throughout the talk, Shri Laxman Khubchandani, Director of the Indian Institute Advance Studies, Simla visited L.D.P. on 21-1-1988 and saw all the facilities available at L.D.P. Smt. Panna Achvaryu, Superintendent, Language Development Project visited H. M. Patel Institute at Vallabh Vidya Nagar, Anand and discuss the proposed course in English for Officers of the department.

Smt. Panna Adhvaryu, Superintendent, L.D.P. acted as Resource Person in the following three seminars :

- 1) Use of play-way method in the teaching of English
- 2) Development of language skills
- 3) Innovative methods to be used in the classroom.

Smt. Laxmi Dhavan, A.O.(S), L.D.P. was deputed to the linguistic conference at University, Hyderabad and read a paper the dialect of 'Kunchi Kurve'.

| Educational & other activities | Music Activities | Singing of Vande Mataram in the several programmes organised at Corporation hall & employees of the Academy participated the same | |
|--|--|---|---|
| Training classes for Music. About 704 subject trs. took benefit of Music, Dance | Music competition of Municipal School children was organised. About 3260 pupils & 118 Trs. from 457 school participated in it. | <ol style="list-style-type: none"> 1) Inter-caste marriage couples reception 28-4-87. 2) Shiv Jayanti 30-4-87. 3) Maharashtra Day 1-5-87 4) Prize distribution ceremony of first 10 students from S.S.C. Exam. 1-7-87 5) Independence Day 15-8-87 6) Mayor's Award distribution ceremony 4-9-87 7) A felicitation function to honour of representative from Japan 15-10-87. 8) A felicitation function to honour of senior citizens 19-10-87 9) Inauguration function of seminar lapresy & T. B. control 14-11-87 10) A felicitation function to honour of T. V. artists serial "Ramayana" 15-11-87. 11) All India Council of Mayor's conference 15-11-87. 12) A felicitation function to honour of Astronomers 20-11-87. 13) Civic address to Shri Sunil Gavaskar 16-12-87. 14) Republic Day 26-1-88 15) A felicitation function in honour of Blood Doners 20-2-88. 16) Prize distribution function of clean & green Mumbai competition 26-2-88. 17) Civic address & felicitation function to honour of Smt. Lata Mangeshkar. | <p>16</p> <p>18</p> <p>17</p> <p>12</p> <p>11</p> <p>20</p> <p>10</p> <p>7</p> <p>10</p> <p>10</p> <p>9</p> <p>12</p> <p>19</p> <p>12</p> <p>12</p> <p>13</p> |
| Arranged lecture cum-Demonstration & Seminar in Music. About 200 Music-Trs. took part. Given Training to 225 Music Trs. at 5 different music centres at every month end day. Arranged a meeting of Spl. Music & centre incharge on 23-4-88. Arranged "Gunwika Music centers" at 5 different Centers. | | | |

Administrative Report of Art Wing

Educational Activities.

- 1) About 300 Art Trs. took benefit of the Inservice Training Centre.
- 2) Given valuable guidance regarding art exhibition of high level to 25 Art Trs.
- 3) Given valuable guidance to go art trs. regarding grade Art examination.

Education & Other Activities

- 1) Given possible co-operation to art Trs. for Child Art Competitions.
- 2) Given co-operation to "Sangeed Sabha" to arrange an Art Exhibition at Birla Kreedakendra.
- 3) Given training to Special art teachers regarding New Educational policy.
- 4) Given co-operation to arrange an Art exhibition.
- 5) Prepared folders & certificates for the students of Inservice Training Class.
- 6) Arranged seminar & gathering programme for 300 art Trs.
- 7) Arranged "Raigori exhibition at August Kranti Maidan on 9-8-87

Key school project

There is a key school centre almost in all the Wards and Senior Officers are in-charge of the centre. According to the test and aptitude of the pupils different courses are prescribed for the pupils and the training is being given by the expert teacher usually language, Music, instrument Music, drawing, Maths.

Research Unit.**(A) Research Projects undertaken—**

1. A critical study of "Entry-books" filled in by the staff of Primary schools.
2. Study of the Remarks given by the supervising Officers at the time of visits to school.

(B) Material Production.

1. "Eight—weeks Programme" (Revised from of six week programme) for Std. I children.
2. Hand-Book for teachers to conduct "Parallel" classes for the failed students in Std. I.

(C) Construction of selection tests for recruitment of teachers in Primary Schools.

1. Two parallel new selection tests for recruitment of trs. primary were constructed.
2. The above mentioned tests are translated in to Marathi Gujarati, Hindi, Urdu and South Indian Languages.

(D) Administration of selection test to teacher candidates.

Administered selection tests to about 1000 teacher candidates for all mediums Marathi, Gujarati, Hindi, Urdu, English and South Indian Languages.

(E) Drop-out rate of primary school children.

Started to collect information from all schools regarding dropped out-children for the year 1984—85, 1985—86 and 1986—87.

(F) Participation in L. D. P.'s Training Programme.

Participated in L. D. P.'s Training Programme for teachers.

(G) Other work.**(1) C.L.I. Project.**

Supervised the work done in the project "Childrens Learning Interest (Reading)" by dr. Aruna Thakkar and UNICEF and prepared a programme report of the project giving suggestion for improvement.

(2) Parisar Asha Project.

Supervised the work done in the project "Parisar Asha" by Environmental Education Centre and prepared a progress report of the project giving suggestions.

Schools Social Service Project including nonformal Education.

With the view to restrict the rate of drop-out in the Municipal Schools, the social service centres were launched in the year 1979. The international year of the child.

During the year under report, the following are the highlights of the work done by social service centres. The total child population served is 72,270 in the area of drop-out problem. Out of cases 1,775, 1450 children were brought back to the school successfully.

The total number of 11,319 malnourished, poverty-sticken children and also those suffering from chronic diseases were given supplementary nutritious food through philentropic organisation.

The children suffering from behaviour and psychological programme successfully handled were 264 children suffering from various types of medical problems i.e., leprosy, T. B. Scabies, B. N. T. etc. were 1,350 who benefitted from social service centres.

Through the various schemes like material Aid, sponsorship, financial assistance, 3,066 children belonging to poverty sticken families were helped prevented from dropping out of schools.

With the view of prevention of potential drop-outs and various child problems in relation to the family school system and slum community, the projects such as Balwadi, Study-centres therapeutic group works, medical camps, leadership camps, competitions, vocational guidance and training programmes. Day camps, Recreation Centres, Anand Malas etc. were conducted. The total beneficiences were 90,979.

The importance of parents role in and all-round development of children is vital and to create this awareness and strengthen this role, various Educational meetings and programmes were held in which 8005 parents participated through various medias e.g. film shows, slide-shows, demonstrations, folds, discussions, visits exhibitions in the area of health & Hygiene, social problems, Alcoholism and Drug application family budgeting low cast nutrition, importance of education, non-formal education programme, and housing problems, the parents were educated.

With the view to bring back to the field of education, schools-drop-outs as also the non-entrances, the Education Department started non-formal Education Centres for children within the age-ground of 9-14 years. Some of these centres impart only academic education where as some include vocational training too.

Schools Health Services for the year 1987-88 (June-87 to April 88)

During the year, 29,14,53 children were examined in 1196 primary Municipal Schools, 21,769 children were examined in 38 secondary Municipal schools, 27,64,14 children were found defectives. Total defects noted among the children were 61,58,64. 8386 cases were treated at the Municipal General Dispensaries. 10,49,52 (New & Old) cases were treated at the school clinics.

30,456 children were referred to the out patient department of Municipal General Hospital for exports opinion. 263 Toncils operations were performed at the school clinics, 700 children were supplied with spectacles, 22 children were supplied with special aid, such as callipers, hearing aid etc. 831 cases of leprosy and 794 of Tuberculosis were referred to the special clinics for investigation and treatment.

Major Defects Noticed were as under :-

| Major defects | Percentage | Major defects | Percentage |
|------------------------|------------|-----------------------|------------|
| Dental | 61.52% | Lungs & Tuberculosis. | 1.22% |
| Throat | 11.35% | Spleen | 0.002% |
| Nose | 12.86% | Skin | 6.07% |
| Eye (External Disease) | 1.55% | Detormity of Bones | 1.77% |
| Eye (vision) | 2.17% | General dbility. | 27.73% |
| Ear (Disases) | 5.18% | Other diseases | 7.83% |
| Lymphthatic | 33.65% | Vitamin Deficiency | 11.01% |
| Heart & circulation. | 0.28% | | |

Health Education was imparted to about 59,643 parents and Teachers, 14,295 domiciliary visits and Revisits were paid. Health parade, Health Ministry and Health Trophy competitions were arranged in schools in C, D, E, G/S, F/S, H/E, K/E, K/W, P/N, R/S, R/N, L, M, N, S, T Wards with a view to inclulcate health habits among the children.

Immunization work done as under :-

| | | |
|------------------------|------------|----------|
| Diphtheria and tetanus | 1st Dose | 99,138 |
| —do— | IIInd dose | 82,686 |
| T.A.B. | | 2,73,218 |

The Medical examination in Municipal schools were also carried out by :

1. Child Welfare at J. J. Group of Hospitals - 3 schools
2. Departmental of Preventive Social Medicine T. N. M. college — 5 schools
3. L. T. M. G. College - P.S.M. Deptt - 11 Schools.
4. K. E. M. Hospital - P.S.M. Deptt. - 14 schools..
5. Mobile Health Unit, Parel - 82 schools.

Their reports are not included in this.

Elocution competitions -1987-88

As usual story telling competition for the students of standard II and IIIrd and elocution competition on provided subject for students of Standard IV to VIIth were held in the year 1987-88. However, apontaneous competition were also held for students of Standard Vth to VIIth. In this competition subjects were given just before three or five minutes to participants.

About 56,362 competitors (all from the standard IInd to VIIth) participated in the competition. from each group. top five successful condidates were honoured with cash prizes. Arrangement also have been made to issue certificates to these candidates.

The performance report of Teachers and Head Teachers Seminars held on 1987-88.

The seminars for the teachers and the Head Teachers are held annually for all the languages schools on topics of Educational importance. The teachers seminars are held heat wise by the Best Inspectors and the Head Teachers. Seminars are held by the Superintendents Divisionwise.

Superintendents of private primary schools also held the seminars for the teachers and the Head Teachers of those schools.

The Objectives are :

1. To improve the professional competency of the teacher.
2. To help the teachers to come together and have a free exchange of views on educational topics.
3. To make available the knowledge of experts in the field of the education by inviting them as resource persons to the Teachers seminars.

No fixed topic was allowed by the Education Officer either for the teachers seminars and the Head Teachers.

Seminars, each Beat Officers and the Superintendent were given the to select topics of their own choice that would reflect the needs and difficult areas of teaching as expressed by the teachers. The topics chosen for the Head Teachers' Seminars were mostly related to the supervisory duties of the Head

Teachers. The particulars of the seminars languagewise are given below :—

| Sr. No. | Language | Total Seminars | Total Teachers participants | Total recourse persons |
|---------|-------------------------------|----------------|-----------------------------|------------------------|
| 1. | Marathi | 24 | 6161 | 30 |
| 2. | Urdu | 6 | 1500 | 18 |
| 3. | Hindi | 5 | 455 | 16 |
| 4. | Gujrati | 4 | 890 | 13 |
| 5. | South Indian English & Sindhi | 4 | 370 | 8 |
| 6. | Private primary school | 3 | 780 | 8 |

Balkotsav :

As usual during Balkotsav, Cultural programme dramatic competitions and Folk Dances etc. were arranged. 8290 students and 1364 teachers participated in this programme which were enjoyed by 16,430 parents. End of the programmes prizes has also given to 7022 prize winners students and 237 prize winner teachers. The performance was very much appreciated.

School Social service project :

In 1979 the international year of the child, the Bombay Municipal Corporation decided to establish 17 social services centres in the Municipal schools with collaboration of Niruala Niketan as Grant in aid project. This project served the children in some of the poorest and most deprived, slums area in the Bombay City. In Feb. 1986 the project was merged in Bombay Municipal Corporation, Education Department.

The focus of activities in the school is (1) to bring back dropouts (2) enrollment of the compulsory age group children in Municipal school (3) To create a school environment conducive to the children learning and growth and to prevent potential dropouts (4) to solve their individual and familiar problem.

Many activities are undertaken to develop the talents of the child and leadership training all of which make the school an attractive place for the child, which helps to prevent potential dropouts. Nutrition programmes.

Health exhibition, various competitions, sports Day-Camp, Parents education, science projects, educational visits etc. have been conducted by the school social workers.

School social workers also work in the surrounding community which helps to bridge the gap between the slum community from where the child come to the school.

Secondary Education

The Municipal Corporation of Greater Bombay have undertaken the activities of Secondary education since 1965.

Though it is not an obligatory duty of the Corporation has undertaken this activity purely with a view to meet the needs of children from low income group and also to supplement the efforts of private schools.

| | | |
|-----------------------------|---|-------|
| No. of secondary schools | — | 51 |
| No. of classes | — | 1661 |
| No. of students | — | 78263 |
| Total no of teaching staff. | — | 2500 |

Different Activities

To improve the S. S. C. result additional study classes were conducted for all the students studying in Std. X, Question papers in various languages were prepared and circulated to the schools for the benefit of S.S.C. students.

Result of S. S. C. examination of Municipal Secondary schools is as follows.

| Year | Total No. of students appeared and pass | Percentage of passing. | No. of students secured more than 70% marks. |
|------|---|------------------------|--|
| 1987 | 9235/3664 | 39.68 | 297 |
| 1988 | 9245/3886 | 42.03 | 290 |

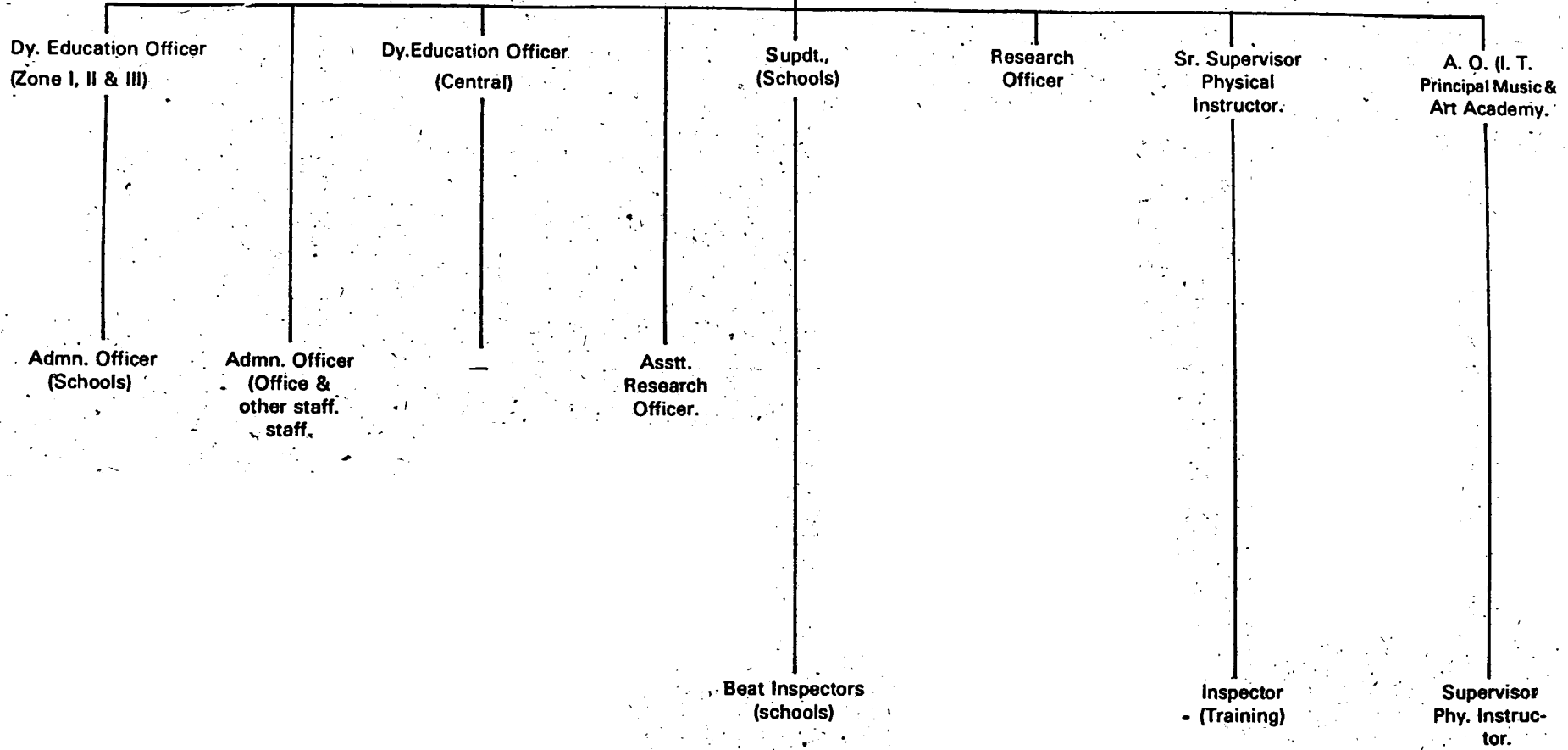
A candidate secured first rank subjectwise and awarded merit certificate by S.S.C. Board, Bombay.

Name : Ashok Kumari Annamalai with 82 marks. Out of 100 marks in Tamil language. The students of Wachaaji Muni. Secondary school.

Top in Muni. Secondary schools.

1. Kumari Kavita J. Jadhav securing 87.67 % of Borivall Muni. Secondary school.
2. Kumari Shamala V. Shetty securing 87.67% of Goregaon Municipal secondary school.

Organizational Chart
Education Officer



A statement showing the No. of Municipal Schools, Pupils & Teachers as on 31st March 1988.

| Sr. No. | Language | City | | | | Suburbs | | | | Ext. Suburbs | | | |
|---------|-----------|---------|---------|--------|------|---------|---------|--------|------|--------------|---------|--------|------|
| | | Schools | Classes | Pupils | Trs. | Schools | Classes | Pupils | Trs. | Schools | Classes | Pupils | Trs. |
| 1. | Marathi | 246 | ... | 118689 | 3373 | 202 | 1 | 160372 | 3637 | 124 | 3 | 93347 | 2296 |
| 2. | Tamil | 13 | 2 | 6292 | 153 | 14 | 1 | 5042 | 119 | 12 | 1 | 4948 | 116 |
| 3. | Telugu | 17 | 3 | 7314 | 187 | 11 | 4 | 2831 | 63 | 8 | 4 | 2213 | 55 |
| 4. | Kannada | 13 | 3 | 3303 | 106 | 23 | 2 | 5367 | 185 | 11 | 1 | 2973 | 106 |
| 5. | Malayalam | ... | ... | ... | ... | ... | 1 | 16 | 4 | ... | ... | ... | ... |
| 6. | Gujarati | 58 | 1 | 12447 | 348 | 54 | 2 | 14315 | 457 | 46 | 3 | 18471 | 536 |
| 7. | Hindi | 55 | 2 | 26695 | 608 | 79 | 1 | 48847 | 1059 | 48 | 2 | 34081 | 743 |
| 8. | English | 19 | 1 | 5866 | 160 | 12 | ... | 3755 | 107 | 6 | ... | 2313 | 69 |
| 9. | Urdu | 100 | 3 | 39155 | 1036 | 87 | 3 | 61170 | 1361 | 25 | 1 | 12987 | 321 |
| 10. | Sindhi | ... | ... | ... | ... | 1 | ... | 27 | 7 | 1 | ... | 52 | 5 |
| Total | | 521 | 15 | 219761 | 5971 | 483 | 15 | 301742 | 6999 | 281 | 15 | 171385 | 4247 |

A statement showing the numbers of private primary schools and pupils as on 31st March 1988.

| Sr. No. | Language | City | | | | Suburbs | | | | Ext. Suburbs | | | |
|---------|-----------|------------|--------|--------|--------|------------|--------|--------|--------|--------------|--------|--------|--------|
| | | Recognised | | Aided | | Recognised | | Aided | | Recognised | | Aided | |
| | | School | Pupils | School | Pupils | School | Pupils | School | Pupils | School | Pupils | School | Pupils |
| 1. | Marathi | 26 | 14193 | 35 | 13429 | 25 | 10352 | 52 | 23490 | 7 | 3645 | 27 | 10153 |
| 2. | Gujarati | 29 | 5567 | 22 | 5267 | 20 | 12302 | 19 | 13175 | 16 | 9952 | 26 | 16886 |
| 3. | Hindi | 3 | 1160 | 10 | 5632 | 4 | 2005 | 12 | 4519 | 3 | 1682 | 9 | 3676 |
| 4. | English | 143 | 61960 | 30 | 12292 | 159 | 66425 | 33 | 15036 | 75 | 30115 | 8 | 4563 |
| 5. | Urdu | 3 | 1029 | 10 | 4770 | 6 | 1068 | 4 | 697 | ... | ... | ... | ... |
| 6. | Kannada | 1 | 22 | 5 | 342 | ... | ... | ... | ... | ... | ... | 1 | 139 |
| 7. | Tamil | 1 | 195 | 1 | 583 | ... | ... | ... | ... | 1 | 393 | ... | ... |
| 8. | Malayalam | 1 | 423 | ... | 423 | ... | ... | ... | ... | 1 | 150 | ... | ... |
| Total : | | 207 | 84126 | 113 | 43315 | 214 | 92162 | 120 | 56917 | 103 | 45937 | 72 | 35417 |

List of Municipal Award Winning Teachers for 1987-88

| Sr. No. | Name of the teacher. | Designation | Name of the school |
|---------|---------------------------------------|--------------|---|
| 1. | Shri Prabha Shriram Ranade | Head Teacher | New Naigaon Marathi School No. 1 |
| 2. | Shri Dhondiram Ananta Jagtap | —do— | Cama Rd. U. P. Mar. Sch., Andheri (W). |
| 3. | Smt. Kamal Madhavrao Deshmāne | —do— | Barvenagar Pri. Sch. No. 8, Ghatkopar (W). |
| 4. | Smt. Vijaya Narayan Velankar | —do— | Sarswatibaug U. P. Mar. Sch. No. 1. |
| 5. | Shri Bhagvandin Ramsaran Yadav | —do— | Sambhaji Chowk Hindi Sch. Kuria (W). |
| 6. | Smt. Bhanuben Khandubhai Desai | —do— | Ratanbai Ratansi Praghji U. P. Guj. sch. |
| 7. | Shri Dattatraya Krishnarao Raut | —do— | Mahim Mori Rd. U.P. Eng. sch. |
| 8. | Smt. Shirin Moijbhai Abid | —do— | Petit Urdu sch. Bandra (W). |
| 9. | Smt. Indu Arjun Zatte. | —do— | Dongri Mun. Secondary school. |
| 10. | Smt. Savitri Suryakant Thakar | —do— | Sheth Notibhai Pachan Rashtriya School Mulund. |
| 11. | Smt. Savita Gurunath Goyekar | —do— | Sevasadan So. Pri. sch, Gaondevi. |
| 12. | Shri Ayodhyaprasad Surya-prasad Yadav | —do— | New Sion U. P. Hindi school |
| 13. | Smt. Ramaben Naginbhai Patel | —do— | Rani Sati Marg Guj. school. |
| 14. | Shri Pula Krishnaswami Chetti | —do— | Kamathipura U.P.Telugu school. |
| 15. | Shri Khan Zulkarmin Kauym | —do— | New Sion U. P. Urdu school. |
| 16. | Shri Gulam Dastgir Shaik Dawood | —do— | Bhàrat Nagar Urdu sch. No. 1 Bandra |
| 17. | Smt. Kantaben Devjibhai Makwana | —do— | Sheth Gokuldas Tejpal Girls High sch., Fort. |
| 18. | Smt. Kamal Vishnu Bhave | —do— | Paranjape Vidyalaya Andheri |
| 19. | Shri Raghunath Laxman Kavitate | —do— | Thakurnagar Vidyamandir Mulund (W). |
| 20. | Smt. Suhāsinī Yeshwant Revankar | Dy. H. T. | Salbaba Path U. P. Mar. school. |
| 21. | Shri Shaikh Ismail Pakir mohd. | —do— | Mominpura Urdu school. |
| 22. | Shri Jaywant Gangaram Shinde | —do— | Parel Bhoiwada U. P. Mar. sch. |
| 23. | Smt. Shaila Trambak Gokhale | —do— | Agarbazar U. P. Mar. sch. |
| 24. | Smt. Vijaya Narayan Pandit | —do— | Abhyankar nagar, Mahanagarpalika secondary sch., Lalbang. |
| 25. | Smt. Tillottama Ravji Khanvilkar | Trained-Tr. | Kamathipura vocational U. P. Mar. sch. No. 2 |
| 26. | Smt. Urmila Arvind Bhide | —do— | Utkarsh mandir pri. sch., Malad (W). |
| 27. | Shri Kundalik Bandu Adhate | —do— | Station Chembur U. P. Mar. Sch. No. 2 |
| 28. | Shri Eknath Dagdu Mahajan | —do— | Pantnagar U. P. Mar. sch. No. 1 |
| 29. | Smt. Padma Dinkar Kulkarnir | —do— | Powai U. P. Mar. sch. No. 1 |
| 30. | Shri Shankar Mahadeo Patil | Music | Keshvrao Kadsm Marg, Vocational. U. P. Mar. Sch. |
| 31. | Shri Ramchandra Nana Chopdar | P.T. Tr. | Khedgalli U. P. Mar. sch. |
| 32. | Shri Harivadan Lallubhai chauhan | Draw Tr. | I. B. Patel urdu sch. Goregaon. |

PUBLIC HEALTH

HIGH LIGHTS

Expenditure :

| | | |
|--|-----|-----------------|
| (1) Maternity and Child Welfare Centres. | ... | Rs. 3,56,47,284 |
| (2) Pre-School and School Health Services. | ... | Rs. 1,19,44,979 |
| (3) Prevention and Control of Infectious Disease, etc. | ... | Rs. 5,49,16,476 |

INCOME

Issue of licences, certificates of Births, Deaths, etc. ... Rs. 57,50,425

Control of Food Adulteration:

| | | |
|---|-----|------|
| Samples under P. F. A. Act Collected | ... | 1701 |
| Samples under P. F. A. Act Adulterated. | ... | 18 |
| Prosecutions. | ... | 18 |
| Fines realised | ... | Nil |

| Food Establishments: | Eating Houses. | Bakeries. |
|----------------------|----------------|------------|
| Grade I | 787 | 2 |
| Grade II | 926 | 1 |
| Grade III | 4124 | 507 |
| Without Grade. | Nil | Nil |
| Total | 5837 | 510 |

HYGIENE

Maternity and Child Welfare Services :

| | Maternity Homes. | Maternity Wards. | Maternity & Child Welfare Centres. |
|---------------------------|------------------|------------------|------------------------------------|
| | 25 | 11 | 39 |
| Deliveries conducted. | 39,276 | 46,757 | — |
| Cases treated at Clinics. | — | — | 6,51,578 |

Family Welfare Centres.

| | |
|---------------------------|-----------------------------|
| I. U. C. D. insertions. | 9,103 |
| Vasectomy Operations. | 3,944 |
| Tubectomy Operations. | 15,160 |
| Condoms distributed free. | 10,12,111 |
| Dispensaries. | Mobile Dispensaries. |
| 150 | 7 (Munl.) |

Municipal Laboratory.

| Total samples received. | Water samples. | Samples found unfit for potable purposes. |
|-------------------------|----------------|---|
| 44,674 | 25,713 | 2,823 |

Municipal Hospitals.

| | Indoor | Outdoor |
|---|----------|-----------|
| 1) Eye Hospital, Kamathupura. | | |
| i) New Cases. | 1,622 | 23,845 |
| ii) Old Cases. | 15,546 | 44,746 |
| 2) 13 Municipal General Hospitals under Executive Health Officer. | | |
| i) New cases. | 1,49,669 | 12,41,336 |
| ii) Total attendance. | 6,69,935 | 43,26,896 |
| 3) Kasturba Hospital for Infectious Diseases. | | |
| Total beds. | 680 | |
| Admissions. | 17,146 | |

Outside Activities.

The following Dispensary is newly opened.

(1) Banganga Dispensary, Walkeshwar, Bombay.

STATISTICS FOR THE YEAR 1987

| | City | Suburbs | Ext. Sub. | Gr. Bombay |
|---|---------|---------|-----------|------------|
| 1. Area of Greater Bombay (Municipal Corporation). | 68.71 | 192.33 | 176.67 | 437.71 |
| 2. Density of Population as per Sq. Kms. (1981 Census). | 47810 | 15983 | 10666 | 18833 |
| 3. Population Census of 1981. | 3285040 | 3073981 | 1884384 | 8243405 |
| 4. Total Birth registered 1987. | 73154 | 87391 | 59446 | 219991 |
| 5. Birth rate per 1000 population census 1981 | 22.26 | 28.42 | 31.54 | 26.68 |
| Mid year estimated 1987. | 18.41 | 23.06 | 26.02 | 22.02 |
| 6. Death registered in 1987. | 32060 | 25941 | 14758 | 72759 |
| 7. Death rate per 1000 population census of 1981. | 9.7 | 8.4 | 7.8 | 8.8 |
| Mid year estimated 1987. | 8.1 | 7.0 | 6.5 | 7.3 |
| 8. Total Deaths among infants (under 1 year). | 4595 | 5162 | 2711 | 12468 |
| 9. Infant death rate per 1000 live births. | 62.8 | 48.9 | 59.6 | 56.6 |
| 10. Maternal Deaths. | 38 | 38 | 35 | 111 |
| 11. Maternal Death rate per 1000 live births. | 0.5 | 0.4 | 0.5 | 0.6 |
| 12. Still births. | 1746 | 2233 | 1703 | 5683 |
| 13. Plague, Cholera, Small Pox deaths. | — | — | — | — |
| 14. Tuberculosis death. | 3729 | 2145 | 1134 | 7008 |
| Death Rate. | 0.9 | 0.5 | 0.4 | 0.7 |
| 15. Acute Anterior Poliomyelitis Deaths. | 93 | 74 | 48 | 215 |
| Death Rate. | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. Diphtheria Death. | 11 | 10 | 2 | 23 |
| Death rate. | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. Typhoid Deaths. | 10 | 10 | 5 | 25 |
| Death Rate. | 0.0 | 0.0 | 0.0 | 0.0 |

FOOD SANITATION AND PREVENTION OF FOOD ADULTERATION

Food sanitation comprises of Control and Supervision over the Food Premises, where articles of food are manufactured, stored and kept for sale. This control is exercised by imposing licence under the B.M.C. Act and the Maharashtra Prevention of Food Adulteration Rules, 1962. The Food Establishment are also controlled from the point of view of Prevention of Adulteration of food under the provision of the Prevention of Food Adulteration Act, 1954 and the Rules thereunder. In order to improve the standard of food, sanitation, eating houses and bakeries are classified as Grade I, II and III depending upon the compliance with the conditions of the licence and other measures taken to maintain cleanliness and sanitation in the various trade operations and in the trade premises.

There is also system of medical examination of food handlers (cooks and cook-mates) in eating houses so as to prevent the spread of various diseases through articles of food.

Details of Food articles destroyed being unfit for human consumption are as under :—

| Solid articles of food including sweets (Kgs.) | Liquid food Lts. | Vegetables Kgs. | Fruits Doz. |
|---|---------------------|--------------------|----------------|
| 2,11,435 | 1,03,540 | 94,768 | 86,727 |

DESTRUCTION OF UNWHOLESOME FOOD :

Destruction of unwholesome food exposed for sale by hawkers and shopkeepers including those near Schools and markets is done under Section 415 to 417 of the Bombay Municipal Corporation Act, by special squads appointed for the purpose and by war Inspectional staff to prevent food borne diseases such as Cholera, Typhoid, Infective Hepatitis, etc.

REGISTRATION OF BIRTHS AND DEATHS :

The Registration of Births and Deaths Act, 1969, unified the system of registration throughout the country and made reporting and registration of births and deaths compulsory. This Act is implemented in the Greater Bombay from 1-1-1982 and has replaced the provisions of the Bombay Municipal Corporation Act. The Executive Health Officer is appointed as Registrar for Greater Bombay and all the Medical Officers of Health as Sub-Registrar for the respective Wards for the purpose of registration of births and deaths.

According to the Act the information of live births, still births and deaths is required to be given in prescribed forms to the Registrar within 14 days from the date of occurrence of the events. The Name of the Newly born child can be registered free of charge within 12 months from the date of registration of birth and thereafter on payment of prescribed late fee and compounding charges.

The medical practitioners and Heads of the Medical Institutions are required to issue medical certificate of cause of death in form No. 8. These forms are supplied by the Medical Officers of Health in the respective Ward Offices.

The parents and guardians are advised to sign or put their thumb impression on the birth reports filled in at the Medical Institutions after verifying the correctness of the facts recorded in the said report so as to avoid any mistakes there in etc. Certificates of Birth and Death occurring in Greater Bombay is issued at the office of the Medical Officer of the ward concerned according to the residential address given in the birth or death report.

Vital Statistics and Control of communicable diseases :

The statistics regarding Birth and Birth rate, Death and Death rate, Infant mortality, infectious and communicable diseases immunization etc. are shown in the table at page 5 and 39.

Anti — plague measure.

Rat Control Work :

Integrated rat control with the employment of combinations of different measures was planned and executed. Total number of rates caught and destroyed was 7,32,621. No rat was found plague infected.

Other anti-plague measures viz., fluea destruction, especially through cynogassing of rat holes and cleansing of areas was carried out.

Cholera : There was not case of Cholera. Preventive measures such as anti-cholera inoculations, disinfection of well water, destruction of over ripe and rotten fruits, were continued as routine measures. 83,577 person were inoculated against Cholera.

Tuberculosis : T. B. Control Unit continued its activities during the year. Majority of hidden cases have been brought on the register. During the year 17,227 T. B. cases were notified and deaths numbered 7008. Services of Health Visitors have been integrated with the services of Treatment Organisers working under Assistant Health Officer (T.B.) at F/South Municipal Ward Office, Parel, Bombay 400 012.

E. C. G. Vaccination : In view of the new policy for E. C. G. Vaccination in National T. B. Control Programme all the new born babies in Municipal and private maternity homes are being given Neo-natal B. C. G. vaccination. The drop-outs and the children upto the age of 2 years, who are born outside Bombay and living in Bombay are also being immunised with B. C. G. vaccination at the Maternity Homes or in the field.

As per the directives from the Directorate General of Health Services, B. C. G. vaccination in the Municipal Schools and revaccination is stopped.

Under the programme of B. C. G. Training, more nurses and Jr. Health Visitors are being trained in B. C. G. vaccination at the B. C. G. Training Centre, Rajawadi Hospital, Bombay.

B. C. G. Camps : To achieve more B. C. G. vaccination coverage among the children, more B. C. G. camps are being held in slums and such areas where there is no facility for B. C. G. vaccination nearby hutments.

Sexuality Transmitted Diseases (V. D.) :

At the Municipal Anti S. T. D. Clinic, S.T.D. Cases are treated confidentially with the latest methods of treatment after proper clinical diagnosis, confirmed by modern laboratory test carried out at the clinic's laboratory. Male and Female patients are examined and treated in separate wings of the clinic, maintained in absolute privacy and secrecy. In addition, a Medico-Social Department comprising of one Male Medico-Social Worker and one Female Medico-Social Worker and supplemented by Health Visitor (Auxiliary Nurse) render necessary medico-social service to the patients attending the clinic. This clinic is presently participating in AIDS screening programme.

S.T.D. Reference Laboratory situated at Kamathipura Maternity Home premises, undertakes Blood, V.D.R.L. and certification tests; Dark Ground, Illumination for Treponema Pallidum and extends facilities to patients referred by general medical practitioners and medical institutions free of charge.

LEPROSY :

Leprosy cases in Greater Bombay are treated at the out-patient clinics of the Acworth Leprosy Hospital and also at the 7 centres situated throughout Greater Bombay under the Greater Bombay Leprosy Control Scheme. The Corporation bears the expenditure of about 225 permanent beds out of 500 beds and 100 temporary beds at Acworth Leprosy Hospital. Due to repeal of Lepers Act 1898 from 26-1-1984, in Greater Bombay Corporation Area, the total expenditure of all the in-patients is provisionally being borne by Corporation. The Corporation also bears the cost of the out-patients clinics at Acworth Leprosy Hospital and 50% cost of the recurring as well as capital expenditure of the Greater Bombay Leprosy Scheme.

Mobile Health Unit : The Health Unit continued to perform its the following stipulated objectives during the year.

(1) Comprehensive Health Care to the Municipal School Children.

The Mobile Health Unit is working under the supervision of Assistant Health Officer (Epidemiologist) and undertaking Medical examination and immunization of school children and slums of Greater Bombay.

(2) Control of communicable diseases.

51,492 immunization procedures against various communicable diseases were performed both in the Municipal Schools and in the field (Table 12).

(3) Health Drives and Family Planning Exhibition.

In addition to the general health education performed and the mass immunization carried through its units, 218 health drives were carried out when 60,868 persons were immunized against measles, T. A. B., T. A. B. C., T. T., D. T. and Triple, including the administration of Polio vaccine and vit. A orally.

VECTOR CONTROL.

Potential breeding places such as wells, cisterns, over head tanks, mill-tanks, storm water entrances and drains were checked periodically for detection and destruction of mosquitoes. Necessary anti-mosquito treatments were rendered to these situations and occurrence of mosquito breeding was destroyed as an anti-malaria measure.

Mosquito Nuisance : For controlling mosquitoes causing nuisance by breeding in large numbers, regular round of applications of insecticides were continued. Insecticidal fogging operations were also resorted to serve a dual purpose of anti-malaria and anti-mosquito operations.

Precautions against yellow fever : Campaigns against Aedes Aegypti the vector for Yellow Fever and dengue diseases was continued throughout the year. Aedes Aegypti breeding was detected on 477 occasions and stegemiya index was 0.014%.

House Fly Control : For abatement of fly nuisance and to check fly borne diseases regular anti-fly measures were continued through-out the year and were intensified during monsoon months.

Entomological Survey : Entomological Survey to assess and delimit the transmission of Filariasis by mosquitoes was continued during this year.

MALARIA : Under the National Malaria Eradication Programme, Malaria Surveillance Scheme is divided into two parts (1) Active Surveillance and (2) Passive Surveillance. The area occupied by the City proper is covered for Passive Surveillance, while that of the Suburbs is covered for both. In the city, blood smears are collected from the patients suffering from fever and attending the Municipal Dispensaries, Municipal and Government Hospitals and other Charitable Institutions and from those treated by private Medical Practitioner wherever possible.

In the case of Indigenous cases, Mass — Survey is carried out and if necessary. Mass treatment is arranged to control transmission.

Filaria Control Programme: Filaria night control clinic is functioning at Khar Danda Village at night for collecting blood smears and for giving treatment for positive cases.

Vector density rate and infectivity rate are monitored by collecting and dissecting mosquitoes at various parts of suburban wards.

Intensive larviciding and thermal fogging are carried out when there is increase in the density rate as well as when infective mosquitoes are detected to prevent filarial transmission.

CEMETERIES.

There are in all 183 cemeteries in use in Greater Bombay, out of which 29 are Municipal. At the Municipal Cemeteries, amenities are provided by the Corporation and at the private cemeteries, by the private bodies.

ELECTRIC CREMATORIUM.

There are 3 Electric Crematoria (1) Chandanwadi (2) Sion and (3) Oshivara, Andheri (West). They are opened round-the-clock for cremation. The charges for cremation are Rs. 125/- per adult dead body and Rs. 60/- per child dead body, below 12 years of age. The crematorium at Chandanwadi is at present under repairs.

Permission for removal of dead body outside Greater Bombay is issued at the office of Executive Health Officer during office hours and thereafter at the residence of zonal Dy. Executive Health Officer, Zonal Asstt. Health Officers and Medical Officers of Health of the wards. Permissions are also given by Heads of the all Municipal General Hospitals when dead body is to be removed by motor to places which can be reached within 24 hours after death.

MUNICIPAL LABORATORY.

To safeguard public health, samples of various food stuffs and samples of water from different parts of Greater Bombay were examined at the Municipal Laboratory situated at 2nd floor, G/North Ward Of after death.

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To safeguard public health, samples of various food stuffs and samples of water from different parts of Greater Bombay were examined at the Municipal Laboratory situated at 2nd floor, G/North Ward Of on have also been provided. The stones are given to Dhobies for washing clothes at a monthly rent of Rs. 60/-.

School Health Services.

Children attending Primary and Secondary Municipal schools are examined at regular intervals by the Medical staff under Medical Officer (Schools). The rectification of defects and treatment of their ailments are arranged through school clinics at the six municipal General Hospitals and at Dental Clinics at the Nair Hospital Dental College and Dr. R. N. Cooper Hospital, Juhu, as also at the Municipal Dispensaries, etc. Special appliances such as calipers, hearing aid and spectacles, etc. if needed are given free of charge or at nominal cost to the students of Municipal schools. Milk is also given to the ailing school children at school clinics attached to the K. E. M. Hospital, Nair Hospital, Sion Hospital, Cooper Hospital, Juhu, Seth V. C., Gandhi and Seth M. A. Vora Municipal General Hospital, Rajawadi, Ghatkopar and Harilal Bhagwati Municipal General Hospital at Borivli.

Children suspected to be suffering from infectious diseases, such as Leprosy, Tuberculosis, etc. are referred to the special clinics for investigation and treatment.

Health Education Scheme is implemented in all the Municipal Schools by giving talks, showing slides, etc. on the various Health subjects.

Impounding of stray cattles

As per provisions of Section 441 C to 441 G of the Bombay Municipal Corporation Act stray Cattles are seized and impounded in the Municipal Cattle Pound at Malad (West). The claimant of the animal is prosecuted in the Court and after the claimant is penalised by the court, the cattles are released on branding under orders from the Magistrate and on payment of pound fees etc. Unclaimed cattle and branded cattle if seized are not released and are sold to Bombay Humanitarian League on prescribed charges. The stray pigs are seized and sent to Deonar Abattoir for destruction as per provision of section 384 (2) of B. M. C. Act.

Maternity and Child Welfare.

The Maternity and Child Welfare Services were rendered through 25 Municipal Maternity Homes, 11 Mat. Wards attached to 11 Municipal General Hospitals and 39 Maternity and Child Welfare Centres. The scheduled strength of Maternity Beds was 1577 Then number of deliveries conducted was 73526 The average stay of mothers in the maternity homes was 3 days. Domiciliary care was rendered to impart health education and to carry out health propoganda amongst mothers. Institutional care included antenatal, post-natal, infant and pre-school age child care, follow up work and health education by propogands through posters, leaflets, group-talk, domonstrations and filmshows, etc,

Milk was given mothers. Institutional care included antenatal, post-natal, infant and pre-school age child care, follow up work and health education by propogands through posters, leaflets, group-talk, demonstrations and filmshows, etc.

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Milk was given place within walking distance from the slums and other residnetial areas where they live Bombay Municipal Corporation has located 56 Health posts in existing Family Welfare Centres.

About 30,00,000 population is to be covered through these posts. The health workers attached to these posts with the assistance of voluntary women health workers residing in the selected areas would help in rendering preventive, promotive and curative services to this population which will include Health Education, Immunization Family Planning, mother's and child's health care etc.

The entire scheme will be cent percent financed by Government of India.

KASTURBA HOSPITAL FOR INFECTIOUS DISEASES

Dr. (Smt.) S. N. Marathe, M.B.B.S., D.P.H., worked as Medical Superintendent through out the year.

Admission and expenditure in Kasturba Hospital is as follows :—

| | |
|-------------|----------------|
| Admission | :—17,146 |
| Expenditure | :—2,12,94,501. |

Pharmacy Department

The Paharmacy Department at this hospital is under expansiopn to raise the production of I. V. Fluids, from 600 bottles to 1000 bottles per day to meet the requirement of I. V. Fluids of all other Hospitals and Maternity Homes under Bombay Municipal Corporation.

Immunization Centre

515 persons were immunized against Diphtheria, 1406 against Enteric Fever, 1406 against Cholera. 360 against meningococcal meningitis and 28 against Serum Hepatitis.

Ward Laboratories

As required by the Bombay University, the ward laboratories have been started for a recognition to House posts for post graduate studies.

Intensive Care Unit

To render prompt medical treatment, cases in acute condition requiring very prompt and Intensive Care are admitted in Ward No. 11 of the Hospital. The total No. of patients admitted are 394 as against 554 during the previous year.

Paying Beds

The paying bed facility is provided to those desiring the same voluntarily.

Teaching.

Lectures in Infectious Diseases were given to 139 students including under-graduates of Allopathic Ayurvedic and Homeopathic. Students Nurses, Nurses, Health Visitors, etc. from various institutions in Greater Bombay were also given instructions in Nursing Management of infectious Diseases.

A full-fledged Laboratory, X-Ray Department, Operation Theatre, Library and Medical Record Department worked satisfactorily.

MEDICAL RELIEF

Municipal General Hospitals

The Public Health Department conducted thirteen General Hospitals in the Suburbs and Extended Suburbs. Details of the work doen thereat are detailed in Table No. 13.

Dispensaries

New cases treated at the 150 dispensaries and 7 Mobile Dispensaries were 14,17,208 and the total attendance was 46,01,768.

IMMUNIZATION

B. C. G. vaccination, Polio, Triple, Injections to the infants and children aged 3 months and above are given free at the Municipal Maternity Homes, General Hospitals and Dispensaries.

Measles

Measles vaccine is given in all the Municipal Maternity Homes, Hospitals and Dispensaries.

Maternity and Child Welfare Clinics

2,21,018 new cases were treated at the 39 Maternity and Child Welfare Clinics and total attendance was 6,51,578 during the year 1986.

Municipal Eye Hospital, Kamathipura

The total number of new cases and the total attendance at the out-patient department of this hospital was 23,845 and 68,591 as against 26,631 and 56,783 respectively during the previous year. The number of indoor patients amongst new cases and total attendance was 1622 and 15,546 respectively, as against 2,927 and 19,698 respectively during the previous year.

Ambulance and Hearse Services

Municipal ambulance service is available at all Municipal General Hospitals in City and Suburbs. The Services are available round the clock at the major hospitals. In other cases, it is in two shifts from Morning to Evening. Ambulance services, are also available in Maternity Homes situated at Mahim, Deonar, Bhandup, Malad and Tagor Nagar, Vikhroli. Ambulance under the control of Fire Brigade is available for removal of case of Mat. Street Accident (free) and non-infectious medical cases on payment within the limits of Greater Bombay.

Ambulance service at Sané Guruji Marg is available for removal of infectious disease cases free and hearse for removal of dead bodies on payment within Greater Bombay.

The services of hearse are also available on payment of prescribed charges at Juhu Hospital, Rajawadi Hospital, Mulund (W) Hospital, Borivli Hospital round the clock and at Maa Hospital, Chembur, and K. B. Bhabha Hospital, Bandra from morning to evening for removal of dead bodies in Greater Bombay.

Upgraded Dispensaries

There has been considerable over crowding at the out-patient departments of the Municipal General Hospitals, making it difficult for the medical staff of the Hospitals to pay adequate attention to each patient. The over crowding in the O. P. Ds. is due to attendance of a large number of patients requiring dispensary treatment. With a view to relieving the general hospitals of the heavy load of patients, 65 Municipal General Dispensaries were upgraded.

Integrated Child Development Services Scheme

In pursuance of the National Policy for Children, the Government of India have sanctioned the Integrated Child Development Scheme, integrating various services for the development of a child. The scheme is in operation in the slums of R and R Wards from September 1976 and has been extended to Dharavi Slums recently. The main aspect of the scheme is to deliver basic health services such as Immunizations, Health Check-up of Children upto the age of 6 years and expectants and nursing mothers, health education, referred services etc. The entire expenditure on the scheme is borne by the Government of India.

Voluntary Health Services Scheme

This scheme has been introduced by Government of Maharashtra in 1982. The scheme is extended to student volunteers of 11th and 12th standard of science faculty with a view of giving them an opportunity for rendering their services in improving the health conditions of the people of Greater Bombay, to make people more health conscious and also to inculcate in the students, a habit of social service which also makes the students, aware of the various health needs of the people. The students can participate in the scheme during vacation period every year. Each participant has to pay house to house visit for health survey. The overall performance of each student is consider by giving additional marks which helps him for admission to Government Medical, Ayurvedic etc. colleges. However the Government has discontinued from 1-4-1987 the scheme of giving additional marks though the scheme is otherwise continued.

Expanded Programme on Immunization

Multi-purpose Worker's Scheme is prevalent in Greater Bombay and includes Expanded Programme of Immunization. Under the scheme every child in Greater Bombay is contacted and immunized for Diphtheria, Tetanus Whooping Cough, Tuberculosis within 1 to 1½ years from its birth.

'Expanded Programme of Immunization' is implemented in Brihan Mumbai. The aim of the scheme is to immunize the children below 3 years of age with 3 doses of Triple and Polio, 1st dose of B. C. G. and pregnant mothers with 2 doses of Tetanus Toxide. This will reduce the morbidity and mortality caused by disease like Diphtheria, Whooping Cough, Tetanus, T. B., Measles and Poliomyelitis in children and Tetanus in pregnant mothers. The immunization against Measles has already been included in the Programme. The immunization work under the programme is carried out in all Municipal Maternity Homes, Dispensaries and Hospitals and also in the slum areas for which special staff has been appointed under the Programme. E. P. I. diseases mentioned above. It is proposed to cover 90% of eligible population by the year 1990.

Rabies

Anti-Rabic Treatment is given at 15 Municipal Hospitals, 1 Government Hospital and 15 Municipal Dispensaries, (list shown in the Annual Civic Health Bulletin) pet dogs are also immunized against rabies at nine dog immunization centre list of which is shown in the Annual Health Bulletin of the Public Health Department. The stray dogs are seized and destroyed by electrocution method if not retrieved within three days. Pet dogs are licensed by the dog licensing establishment of the Corporation.

Control on Certain Trades and Cinema and Drama Theatres

Certain trades like hair dressing saloons, Pan shops, laundries, etc. are controlled from Public Health Point of view by imposing a licence under Section 394 of the Bombay Municipal Corporation Act.

Similarly Cinema Theatres, Drama Halls, etc. are inspected to control them from public health point of view under the prevention of "Maharashtra Cinema (Rules) Regulations, 1966 and Rules for licensing and controlling places for public amusement respectively.

Health Education

The citizens are educated through health film, posters and others publicity media in matters of environmental sanitation, good habits for healthy living, immunization, etc. Special educational campaigns are arranged on various Health subject from time to time in slums.

REGISTRATION OF NURSING HOMES

Nursing Homes require registration under the Bombay Nursing Home Registration Act 1949 and Rules thereunder. Certificate of Registration is issued on payment of the prescribed fees of Rs. 50/- (less than 10 beds) and Rs. 100/- (more than 10 beds) at the office of the Medical Officer of Health at each of the wards. Renewal of registration is done annually on payment of equal amount payable for the first registration.

LICENSING OF NURSES ESTABLISHMENT

Nurses Establishment require licence under the provisions of the Bombay Nurses, Midwives and Health Visitors Act, 1954 and the Rules and Bye-Laws passed thereunder. The licence is issued on payment of prescribed fees of Rs. 100/- by the Medical Officer of Health of the ward and is renewable every year in April. Failure to take licence is punishable with fine which extends to Rs. 250/- for the first offence and for any subsequent offence with fine which may extends to Rs. 500/- or with simple imprisonment which may extend to six months or with both.

INTERNATIONAL HEALTH CERTIFICATE

Inoculation against cholera, and T. A. B. is done and duly authenticated certificates in approved form are issued at certain Municipal Institutions on payment of Rs. 10/- each.

Every traveller must produce his passport at the time of immunization and authentication. The Medical Officer, may, however, inoculate a traveller in the absence of a passport and keep the certificate with him by giving him an undergoing that the certificate would be cancelled if he would not turn up within fifteen days of the inoculation.

Inoculations against yellow fever are given at the seamen's medical examination organisation, Nav Bhuvan, Nicol Road, Karwar Street, Bombay — 400 001 and at Sahar Air Port.

Table — 1

| Notifiable Diseases. | | Attacks. | Deaths. |
|----------------------|--------------------------|----------|---------|
| 1. | Plague. | — | — |
| 2. | Cholera. | — | — |
| 3. | Small Pox. | — | — |
| 4. | Diphtheria. | 43 | 23 |
| 5. | Enteric Fever. | 165 | 25 |
| 6. | Infectious Hepatitis. | 732 | 153 |
| 7. | Tuberculosis. | 17227 | 7008 |
| 8. | Meningococcal Infection. | 150 | 45 |
| 9. | Typhus. | — | — |
| 10. | Puerperal Fever. | — | — |
| 11. | Anterior Poliomyelitis. | 1032 | 215 |
| 12. | Influenza. | — | — |
| 13. | Virus Encephalitis. | — | — |
| 14. | Scarlet Fever. | — | — |
| 15. | Yellow Fever. | — | — |
| 16. | Relapsing Fever. | — | — |
| 17. | Acute Spinal | — | — |
| 18. | Leprosy. | 2915 | 17 |
| 19. | Dangue Fever. | — | — |

Table 1 (Cont.)

| | Immunization. | Total during 1987. |
|----------------------|-----------------|--------------------|
| Diphth. Tetanus. | 1st dose. | 1,63,564 |
| | 2nd dose. | 41,075 |
| | Booster dose | 1,990 |
| Triple. | 1st dose | 1,53,992 |
| | 2nd dose | 1,24,815 |
| | 3rd dose | 1,07,907 |
| | Booster dose | 79,928 |
| Polio | 1st dose | 1,78,999 |
| | 2nd dose | 1,28,855 |
| | 3rd dose | 1,14,617 |
| | Booster dose | 85,682 |
| T. A. B. | — | 3,99,930 |
| Cholera. | — | 83,577 |
| Small Pox | Primary | — |
| | Re-vaccination. | — |
| Tetanus Toxide. | 1st dose | 3,88,324 |
| | 2nd dose | 1,19,727 |
| | 3rd dose | 38,380 |
| | Booster dose | 32,259 |
| B. C. G. Vaccination | | 1,22,930 |
| Measles | | 45,000 |

TABLE NO. 2.
Deaths and Death Rates from Epidemic and Principal Causes 1987.

| Cause of death. | Average of Year 1982-86 | | 1986 | | 1987 | |
|--|-------------------------|------------|--------------|------------|--------------|------------|
| | Deaths | Death Rate | Deaths | Death Rate | Deaths | Death Rate |
| Small Pox. | — | — | — | — | — | — |
| Measles. | 212 | 0.0 | 43 | 0.0 | 17 | 0.0 |
| Plague. | — | — | — | — | — | — |
| Enteric Fever. | 32 | 0.0 | 22 | 0.0 | 25 | 0.0 |
| Influenza. | — | — | — | — | — | — |
| Cholera. | — | — | — | — | — | — |
| Malarial Fever. | — | — | — | — | — | — |
| Diphtheria. | 13 | 0.0 | 14 | 0.0 | 23 | 0.0 |
| OTHER PRINCIPAL CAUSES. | | | | | | |
| Tuberculosis. | 8062 | 0.8 | 6800 | 0.7 | 7008 | 0.7 |
| Meningococcal Infection. | 5 | 0.0 | 27 | 0.0 | 45 | 0.0 |
| Diseases of Nervous system. | 1037 | 0.1 | 1421 | 0.1 | 805 | 0.0 |
| Diseases of Respiratory system. | 11460 | 1.2 | 12080 | 1.2 | 12827 | 1.2 |
| Dysentery, Diarrhoea & Enteritic | 3342 | 0.3 | 3183 | 0.3 | 2463 | 0.2 |
| Purperal State. | 99 | 0.0 | 132 | 0.0 | 111 | 0.0 |
| Congenital Debility & Early Infancy. | 5201 | 0.5 | 4433 | 0.4 | 3522 | 0.3 |
| Senility without mention of psychosis. | 3132 | 0.3 | 2158 | 0.2 | 2024 | 0.2 |
| Violence. | 5554 | 0.6 | 6052 | 0.6 | 6628 | 0.6 |
| Other causes: | 33929 | 3.6 | 35942 | 3.6 | 37261 | 3.7 |
| Total :— | 72078 | 7.8 | 72307 | 7.3 | 72759 | 7.3 |

TABLE NO. 3.

Deaths among infants from Principal causes by age period 1987.

| Age Period | Small-pox | Measles | Malarial fever | Diarrhoea Dysentery Enteritis | Congenital malformation & disease at early infancy | Diseases of respiratory system | Polio- myelitis | Other causes | All cases | Percentage to the total of infant death |
|---|-----------|---------|----------------|-------------------------------------|---|--------------------------------------|--------------------|-----------------|--------------|--|
| Upto 7 days. | — | — | — | 21 | 3748 | 519 | 2 | 1140 | 5430 | 43.55 |
| 1 to 4 weeks. | — | — | — | 101 | 403 | 503 | — | 618 | 1623 | 13.01 |
| Total under 4 weeks. | — | — | — | 122 | 4151 | 1022 | 2 | 1756 | 7053 | 56.56 |
| 4 weeks to 6 months. | — | — | — | 809 | 144 | 1546 | 24 | 1198 | 3521 | 28.24 |
| 6 months to 12 months. | — | 3 | — | 450 | 38 | 769 | 43 | 591 | 1894 | 15.19 |
| Total under 4 weeks to 12 months | — | 3 | — | 1059 | 182 | 2315 | 67 | 1789 | 5415 | 43.43 |
| Grand Total :— | — | 3 | — | 1181 | 4333 | 3337 | 69 | 3545 | 12488 | 100.00 |

TABLE NO. 4.

Infant Mortality from Principal Causes (1981 - 1987)

| Cause of Death | 1982 | 1983 | 1984 | 1985 | 1986 | 1982 to 1986 (A) | 1987 (B) | Difference between (A) & (B) |
|--|-------|-------|-------|-------|-------|------------------------|-------------|------------------------------------|
| Poliomyelitis. | 42 | 17 | 24 | 62 | 60 | 41 | 69 | + 28 |
| Small pox. | — | — | — | — | — | — | — | — |
| Measles. | 1 | 17 | 103 | 89 | 10 | 44 | 3 | 41 |
| Malarial Fever. | — | — | — | — | — | — | — | — |
| Diarrhoea & Dysentery and Enteritis. | 1315 | 1449 | 1531 | 1735 | 1421 | 1490 | 1181 | 310. |
| Congenital malformation disease of early infancy. | 7155 | 5832 | 4588 | 4001 | 4453 | 5205 | 4533 | — 672 |
| Disease of respiratory System. | 2893 | 3148 | 2777 | 2536 | 2959 | 2862 | 3089 | + 217 |
| All Causes. | 12945 | 13558 | 13061 | 13282 | 12493 | 13067 | 12468 | — 599 |

TABLE NO. 5

Cases of Notifiable Diseases reported in 1987.

| Wards | Cholera | Small-pox | Plague | Enteric Fever | Diph- teria | Typh- us | Puer- peral Fever | Tuber- culosis | Relap- sing Fever | Influ- enza | Spinal Fever | Acute interior Polio Myelitis | Scar- let Fever | Infective Hepa- titis | Leprosy | Total |
|----------------|---------|-----------|--------|------------------|----------------|-------------|-------------------------|-------------------|-------------------------|----------------|-----------------|--|-----------------------|-----------------------------|---------|-------|
| A | — | — | — | 2 | 1 | — | — | 111 | — | — | — | 5 | — | 20 | 19 | 158 |
| B | — | — | — | 9 | 2 | — | — | 893 | — | — | — | 5 | — | 36 | 26 | 771 |
| C | — | — | — | 3 | — | — | — | 245 | — | — | — | 4 | — | 10 | 11 | 273 |
| D | — | — | — | 4 | 1 | — | — | 2170 | — | — | — | 21 | — | 31 | 37 | 2324 |
| E | — | — | — | 71 | 5 | — | — | 733 | — | — | — | 41 | — | 114 | 206 | 1170 |
| F/S | — | — | — | 43 | 2 | — | — | 5402 | — | — | — | 36 | — | 57 | 227 | 5767 |
| F/N | — | — | — | 4 | 2 | — | — | 484 | — | — | — | 68 | — | 51 | 361 | 950 |
| G/S | — | — | — | 17 | — | — | — | 847 | — | — | — | 23 | — | 37 | 156 | 1080 |
| G/N | — | — | — | 3 | 3 | — | — | 1662 | — | — | — | 57 | — | 51 | 147 | 1923 |
| H/E | — | — | — | — | 2 | — | — | 389 | — | — | — | 34 | — | 28 | 198 | 558 |
| H/W | — | — | — | 2 | 3 | — | — | 551 | — | — | — | 29 | — | 19 | 75 | 679 |
| K/E | — | — | — | — | 3 | — | — | 428 | — | — | — | 69 | — | 26 | 171 | 695 |
| K/W | — | — | — | — | — | — | — | 358 | — | — | — | 27 | — | 11 | 81 | 477 |
| L | — | — | — | 1 | 4 | — | — | 760 | — | — | — | 48 | — | 42 | 92 | 947 |
| M | — | — | — | 3 | 3 | — | — | 92 | — | — | — | 124 | — | 48 | 128 | 398 |
| N | — | — | — | 1 | 1 | — | — | 367 | — | — | — | 53 | — | 34 | 89 | 545 |
| P/S | — | — | — | — | — | — | — | 428 | — | — | — | 23 | — | 12 | — | 463 |
| P/N | — | — | — | 1 | — | — | — | 180 | — | — | — | 41 | — | 11 | 224 | 457 |
| R | — | — | — | — | 1 | — | — | 859 | — | — | — | 82 | — | 20 | 114 | 906 |
| S | — | — | — | — | 1 | — | — | 352 | — | — | — | 23 | — | 9 | — | 385 |
| T | — | — | — | — | 1 | — | — | 287 | — | — | — | 23 | — | 6 | 41 | 358 |
| Imported cases | — | — | — | 1 | 8 | — | — | — | — | — | — | 196 | — | 61 | 617 | 783 |
| Total | — | — | — | 165 | 43 | — | — | 17176 | — | — | — | 1032 | — | 732 | 2915 | 22063 |

TABLE No. 6

NATIONAL MALARIA ERADICATION PROGRAMME

| 1 | No. of fever cases detected. | No. of persons given treatment. | No. of Blood Smears | | | Found + ves | Parasite Species | | | | | Personstreated | | Epidemiological Classification | | | |
|--------------------|------------------------------|---------------------------------|---------------------|-----------|---------|-------------|------------------|-----|---|-------|--------------|----------------|------|--------------------------------|----------|--------|---------------|
| | | | Collected. | Examined. | Broken. | | V | F | M | Mixed | Compl- etely | Parti- ally. | Imp. | Ind. | Relapsed | Indige | Not treat- ed |
| | | | | | | | | | | | | | | | | | |
| (1) ACTIVE | | | | | | | | | | | | | | | | | |
| CITY | 1896 | 1896 | 1896 | 1896 | — | 5 | 4 | 1 | — | — | 4 | — | 3 | 2 | — | — | 1 |
| W. SUB. | 58245 | 58245 | 58245 | 58245 | — | 32 | 20 | 12 | — | — | 27 | 4 | 23 | 7 | — | — | 1 |
| E. Sub. | 28760 | 28760 | 28760 | 28760 | — | 4 | 4 | — | — | — | 3 | — | 3 | 1 | — | — | — |
| | 88901 | 88901 | 88901 | 88901 | — | 41 | 28 | 13 | — | — | 34 | 4 | 29 | 10 | — | — | 2 |
| (2) PASSIVE | | | | | | | | | | | | | | | | | |
| CITY | 189486 | 189486 | 189486 | 189486 | — | 1350 | 1261 | 85 | — | 4 | 1058 | 42 | 531 | 587 | — | — | 101 |
| W. SUB. | 107431 | 107431 | 107431 | 107431 | — | 211 | 186 | 24 | — | 1 | 147 | 11 | 118 | 35 | — | — | 21 |
| E. SUB. | 77591 | 77591 | 77591 | 77591 | — | 110 | 94 | 16 | — | — | 75 | 9 | 63 | 23 | — | — | 17 |
| | 374508 | 374508 | 374508 | 374508 | — | 1671 | 1541 | 125 | — | 5 | 1280 | 62 | 711 | 644 | — | — | 139 |
| (3) MASS | | | | | | | | | | | | | | | | | |
| CITY | 54453 | 54453 | 54453 | 54453 | — | 375 | 373 | 2 | — | — | 345 | 13 | 50 | 308 | — | — | 19 |
| W. SUB. | 3366 | 3366 | 3366 | 3366 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| E. SUB. | 27343 | 27343 | 27343 | 27343 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| TOTAL :— | 85162 | 85162 | 85162 | 85162 | — | 375 | 373 | 2 | — | — | 345 | 13 | 50 | 308 | — | — | 19 |

TABLE - 7

Ward-wise Malaria Positives cases with species and classification for the year 1987.

| Ward | No. of + ve cases | Malaria Parasites | | | | | Classification | | | |
|-------|----------------------|-------------------|-----|---|-------|------|-----------------|---------------|-------------------|--|
| | | V | F | M | Mixed | Imp. | Indig- enous | Untra- ced | Unclas- sified | |
| A | 168 | 155 | 12 | — | 1 | 30 | 96 | 10 | 32 | |
| B | 24 | 19 | 5 | — | — | 15 | 7 | 2 | — | |
| C | 35 | 31 | 4 | — | — | 22 | 4 | 6 | 3 | |
| D | 64 | 57 | 7 | — | — | 36 | 16 | 3 | 9 | |
| E | 176 | 150 | 26 | — | — | 104 | 43 | 10 | 19 | |
| F | 71 | 453 | 17 | — | 1 | 191 | 232 | 14 | 34 | |
| G | 789 | 771 | 16 | — | 2 | 185 | 499 | 40 | 65 | |
| H | 54 | 45 | 8 | — | 1 | 26 | 12 | 7 | 9 | |
| K | 74 | 59 | 15 | — | — | 39 | 15 | 14 | 6 | |
| L | 20 | 17 | 3 | — | — | 13 | 5 | 1 | 1 | |
| M | 31 | 27 | 4 | — | — | 17 | 4 | 4 | 6 | |
| N | 34 | 30 | 4 | — | — | 24 | 8 | 1 | 1 | |
| P | 66 | 57 | 9 | — | — | 44 | 7 | 10 | 5 | |
| R | 51 | 46 | 5 | — | — | 31 | 8 | 8 | 4 | |
| S | 15 | 13 | 2 | — | — | 9 | 2 | 1 | 3 | |
| T | 15 | 12 | 3 | — | — | 4 | 4 | 4 | 3 | |
| Total | 2087 | 1942 | 140 | — | 5 | 790 | 962 | 135 | 200 | |

TABLE NO. 8

Admissions deaths and average number of patients at Kasturba Hospital, Sane Guruji Marg, Bombay 400 011.

| Months | Chicken Pox | Measles | Mumps | Anterior Polio myelitis | Infective Hepatitis | Influenza | Cholera | Diarrhoea & Vomiting due to Gastro enteritis | Plague | Diphtheria | Enteric Fever | C.S. Fever | Typhus Fever | Erysipelas | B. Dysen-tery | A. Dysen-tery | Whooping Cough | Other diseases | Total | Discharge | Death | Daily Average No. of patients. |
|----------|-------------|---------|-------|-------------------------|---------------------|-----------|---------|--|--------|------------|---------------|------------|--------------|------------|---------------|---------------|----------------|----------------|-------|-----------|-------|--------------------------------|
| Jan. | 330 | 158 | 23 | 35 | 60 | — | — | 183 | — | 3 | 1 | 15 | — | — | — | — | — | 855 | 1363 | 1287 | 76 | 344 |
| Feb. | 563 | 177 | 39 | 31 | 77 | — | — | 200 | — | 4 | 8 | 29 | — | — | — | — | 6 | 444 | 1578 | 1540 | 38 | 430 |
| Mar. | 245 | 89 | 28 | 26 | 27 | — | — | 81 | — | 2 | 1 | 27 | — | — | — | — | 2 | 140 | 668 | 625 | 43 | 188 |
| Apr. | 421 | 72 | 43 | 44 | 40 | — | — | 201 | — | 3 | 1 | 21 | — | — | — | — | 6 | 440 | 1292 | 1244 | 48 | 282 |
| May | 233 | 49 | 28 | 41 | 67 | — | — | 289 | — | 2 | 6 | 13 | — | — | — | — | 9 | 581 | 1318 | 1269 | 49 | 327 |
| June | 98 | 30 | 25 | 62 | 68 | — | — | 456 | — | 3 | 6 | 5 | — | — | — | — | 2 | 717 | 1472 | 1421 | 51 | 291 |
| July | 49 | 22 | 24 | 143 | 49 | — | — | 663 | — | 4 | 54 | 7 | — | — | 1 | — | 7 | 1082 | 2105 | 1990 | 115 | 467 |
| Aug. | 29 | 22 | 25 | 166 | 72 | — | — | 458 | — | 2 | 16 | 6 | — | — | — | — | 5 | 1049 | 1850 | 1757 | 93 | 447 |
| Sep. | 18 | 25 | 52 | 149 | 69 | — | — | 318 | — | 5 | 25 | 11 | — | — | — | — | 18 | 934 | 1624 | 1547 | 77 | 382 |
| Oct. | 18 | 31 | 31 | 158 | 68 | — | — | 373 | — | 10 | 7 | 2 | — | — | — | — | 7 | 681 | 1386 | 1310 | 76 | 324 |
| Nov. | 26 | 24 | 18 | 90 | 54 | — | — | 323 | — | — | 7 | 5 | — | — | — | — | 21 | 663 | 1231 | 1177 | 54 | 293 |
| Dec. | 88 | 25 | 35 | 87 | 81 | — | — | 292 | — | 5 | 33 | 9 | — | — | — | — | 38 | 566 | 1259 | 1219 | 40 | 286 |
| Total :— | 2118 | 724 | 371 | 1032 | 732 | — | — | 3837 | — | 43 | 165 | 150 | — | — | 1 | 121 | — | 7852 | 17146 | 16386 | 760 | 337 |

TABLE NO. 9

Admission from 1984 to 1987 at the Kasturba Hospital for Infectious Diseases.

| Year | Chicken Pox | Measles | Mumps | C. S. Fever | Diphtheria | Influenza | Whooping Fever | Enteric Fever | B. Dysen-tery | A. Dysen-tery | Cholera | Plague | Typhus Fever | Diarrhoea & Vomiting due to Gastro-Enteritis | Anterior Poliomyelitis | Infective Hepatitis | Other diseases | Total | Death | Discharge | Daily average No. of patient |
|------|-------------|---------|-------|-------------|------------|-----------|----------------|---------------|---------------|---------------|---------|--------|--------------|--|------------------------|---------------------|----------------|-------|-------|-----------|------------------------------|
| 1984 | 2647 | 888 | 296 | — | 53 | — | 7 | 116 | 257 | 241 | — | — | — | 3440 | 643 | 816 | 8440 | 17852 | 519 | 17333 | 376 |
| 1985 | 2100 | 789 | 349 | 30 | 47 | — | 1 | 253 | 4 | 81 | — | — | — | 5337 | 833 | 658 | 10046 | 20528 | 718 | 19810 | 388 |
| 1986 | 2263 | 1168 | 396 | 183 | 38 | — | — | 192 | 1 | 92 | — | — | — | 4125 | 999 | 777 | 8072 | 18306 | 804 | 17502 | 376 |
| 1987 | 2118 | 724 | 371 | 150 | 43 | — | — | 165 | 1 | 121 | — | — | — | 3837 | 1032 | 732 | 7852 | 17146 | 760 | 16386 | 337 |

TABLE NO. 10

Average weekly cost per patient admitted at the Kasturba Hospital for Infectious Diseases.
Sane Guruji Marg, Bombay 400 011.

| Particulars. | 1984 | 1985 | 1986 | 1987 |
|----------------------------------|--------|--------|--------|--------|
| | Rs. | Rs. | Rs. | Rs. |
| Drug, Dressings & Disinfectants. | 39.97 | 39.41 | 51.24 | 51.94 |
| Diet. | 63.70 | 62.16 | 48.09 | 81.34 |
| Clothing. | 26.32 | 14.77 | 6.86 | 9.24 |
| Stores. | 11.06 | 19.11 | 14.98 | 6.44 |
| Total | 141.05 | 135.45 | 121.17 | 148.96 |

TABLE NO. 11

Total cost per patient per day at the Kasturba Hospital for Infectious Diseases, Sane Guruji Marg,
Bombay — 400 011. (Including establishment charges).

| Particulars. | Cost per Indoor patient. | Infectious Hepatitis Out patients Department. |
|----------------------------------|--------------------------|---|
| | Rs. | Rs. |
| Diet | 11.62 | — |
| Stores and Linen. | 3.08 | 0.73 |
| Drugs, Dressing & Disinfectants. | 7.42 | 4.56 |
| Lighting, Miscellaneous. | 14.96 | 0.14 |
| Repairs. | 5.59 | — |
| Establishment. | 132.85 | 8.90 |
| | 175.52 | 14.33 |

TABLE — 12

Immunization done by Mobile Health Unit in 1987 (In field).

| Immuization. | In Field. | Total. |
|------------------------------------|-----------|--------|
| (1) D. T. 1st dose. | 1,021 | 1,021 |
| D. T. 2nd dose. | 129 | 129 |
| Triple 1st dose. | 1,349 | 1,349 |
| Triple 2nd dose | 1,055 | 1,055 |
| Triple 3rd dose. | 821 | 821 |
| Triple Booster dose. | 2,620 | 2,620 |
| Polio 1st dose. | 1,398 | 1,398 |
| 2nd dose. | 1,067 | 1,067 |
| 3rd dose. | 862 | 862 |
| Booster dose. | 2,514 | 2,514 |
| T. A. | 112 | 112 |
| Cholera. | 736 | 736 |
| T. T. 1st dose. | 5,352 | 5,352 |
| 2nd dose. | ... | ... |
| Measles. | 1,689 | 1,689 |
| | 20,725 | 20,725 |
| (2) Helath Drives. | 218 | |
| Total No. of patients. | 44,918 | |
| No. of patients days of treatment. | 3,69,254 | |

TABLE No. 13

Work done at the Municipal General Hospitals under the Executive Health Officer during the year 1987.

| Accommodations of Beds | Khurshedji B. Bhabha Hospital Bandra. | Vishnu Prasad Nandraj Desai Gen. Hospital Santacruz (E). | Dr. R. N. Cooper Hospi- tal, Juhu. | Khan Bhadr H. K. Bhabha Hospi- tal, Kurle. | Diwalibai Mohan- Lal Mehta (Maa) Hospital, Chembur | Seth V. C. Gandhi & M. A. Vora-Gen. Hos- tal, Rajawadi, Ghatkopar. | Shri M. W. Desai Memorial Gen. Hosp. Malad (East). | Shri Harilal Bhag- wati Hospital, Borivali. | M. T. Agarwal Gen. Hospital Mulund (West). | Municipal Gen. Hospital Mulund (East). | Sant Muktabai General Hospital, Brave Nagar Ghatkopar. | Municipal Centen- ary Gen. Hospital, Govandi. | Municipal Centen- ary Gen. Hospital, Kandivall (West). | | | | | | | | | | | | | |
|--|---------------------------------------|--|------------------------------------|--|--|--|--|---|--|--|--|---|--|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|-------------|-------------------|
| Children Ward. | 50 | 23 | 60 | 31 | 20 | 76 | 35 | 35 | 33 | 20 | 20 | 30 | 20 | | | | | | | | | | | | | |
| General Male Ward. | 52 | 45 | 195 | 70 | 28 | 42 | 35 | 62 | 40 | 30 | 20 | 20 | 40 | | | | | | | | | | | | | |
| General Female Ward. | | 45 | 175 | 40 | 11 | 37 | 24 | 38 | 37 | 30 | 20 | 20 | 35 | | | | | | | | | | | | | |
| Maternity Ward. | 114 | 30 | | 60 | — | 110 | 29 | 50 | — | 20 | 40 | 30 | 20 | | | | | | | | | | | | | |
| Septic & Gynec. Ward. | — | 40 | 90 | — | 12 | 60 | 23 | 25 | 18 | 10 | — | — | 5 | | | | | | | | | | | | | |
| Others. | 194 | 4 | — | 105 | 4 | 235 | — | 90 | — | — | — | 30 | — | | | | | | | | | | | | | |
| Total No. of Beds. | 410 | 187 | 520 | 306 | 75 | 560 | 136 | 300 | 128 | 110 | 100 | 130 | 120 | | | | | | | | | | | | | |
| | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | Annual Attendance. | Daily Average. | | |
| In-patients. | 14,235 | 34 | 42,240 | 118 | 1,68,665 | 520 | 74,708 | 202 | 18,225 | 51 | 1,67,570 | 459 | 29,394 | 82 | 15,984 | 44 | 30,947 | 85 | 20,772 | 56 | 22,522 | 65 | 32,757 | 89 | 31,921 | 88 |
| Surgical Operation | 16,083 | 36 | 5,574 | 19 | 19,848 | 85 | 4,019 | 13 | 2,474 | 7 | 15,628 | 52 | 839 | 3 | 12,054 | 33 | 3,580 | 12 | 574 | 4 | 578 | 4 | 3,621 | 10 | 2,772 | 11 |
| | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. | New Cases | Total Attendance. |
| Out-Patient Deptt. | 1,76,801 | 5,92.65 | 92,342 | 2,11.68 | 1,89,338 | 5,68.02 | 1,16,146 | 4,58.98 | 78,567 | 3,45.59 | 1,58,228 | 7,22.88 | 50,778 | 1,36.81 | 1,01,746 | 2,23.05 | 52,791 | 2,44.92 | 44,710 | 1,40.05 | 35,890 | 1,19.72 | 94,312 | 3,53.97 | 49,687 | 2,28.55 |
| In Patients remained on 31-12-86. | | 162 | | 130 | | 491 | | 201 | | 42 | | 418 | | 84 | | 246 | | 93 | | 68 | | 52 | | 82 | | 111 |
| Admitted in 1987. | | 14,235 | | 9,701 | | 30,021 | | 11,576 | | 3,566 | | 28,279 | | 7,232 | | 15,984 | | 4,190 | | 4,447 | | 5,960 | | 32,752 | | 6,967 |
| Total No. of Patients treated in 1987. | | 13,088 | | 9,831 | | 1,68,665 | | 74,708 | | 3,392 | | 28,697 | | 1,36,810 | | 15,984 | | 2,75,867 | | 1,40,055 | | 28,482 | | 7,100 | | 2,28,551 |
| Discharged cured. | | 12,980 | | 9,613 | | 27,296 | | 11,400 | | 3,392 | | 22,138 | | 7,100 | | 14,731 | | 3,908 | | 3,604 | | 5,755 | | 165 | | 6,578 |
| Otherwise. | | 166 | | — | | 730 | | — | | 94 | | 4,698 | | 132 | | 271 | | 106 | | 594 | | 53 | | 250 | | 134 |
| Died. | | 360 | | 218 | | 2,045 | | 296 | | 89 | | 1,475 | | 226 | | 982 | | 179 | | 125 | | 48 | | — | | 186 |
| In-patients remaining on 31-12-87. | | 235 | | 95 | | 441 | | 176 | | 35 | | 386 | | 84 | | 269 | | 90 | | 68 | | 60 | | 86 | | 69 |
| Daily Average (Out-patient). | | 2,550 | | 706 | | 610 | | 1,257 | | 1,152 | | 522 | | 380 | | 611 | | 819 | | 283 | | 390 | | 971 | | 762 |
| Expenditure | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. | Total cost. | Cost per pt. |
| | 1,24,68,850 | 118.25 | 1,07,47,700 | 158.72 | 2,59,50,922 | 101.65 | 1,36,91,459 | 138.31 | 80,65,750 | 89.16 | 2,93,05,295 | 98.86 | 11,50,498 | 28.92 | 2,34,41,810 | 119.28 | 58,65,754 | 49.25 | 11,50,498 | 28.92 | 47,87,800 | 137.58 | 87,87,010 | 189.40 | 65,78,375 | 74.00 |

130

TABLE — 14

Examination of Food and water samples during the year 1987.

I — Chemical Examination :—

| | |
|-----------------------------------|-----------------|
| (1) Food. | |
| (i) P. F. Act. | 3,802 |
| (ii) Other than the P. F. A. Act. | 7,330 |
| (2) Water Samples. | 6,809 |
| (3) Controller of stores. | 258 |
| (4) Hospitals. | 45 |
| (5) Miscellaneous. | 363 |
| | Total :— 18,607 |

II — Bacteriological Examination.

| | |
|--|-----------------|
| (1) Water. | |
| (1) from city, suburbs and extended suburbs. | 24,127 |
| (2) from B. P. T. Area. | 553 |
| (3) Water (Private). | 1,033 |
| (4) Foods. | 335 |
| (5) Ice. | 19 |
| (6) Miscellaneous. | — |
| | Total :— 26,067 |

TABLE NO. 15

Ward wise confinements in Institutions in Greater Bombay doing Maternity Work during 1987.

| Wards | A | B | C | D | E | F/N | F/S | G/N | G/S | H/E | H/W | K/W | K/E | L | M/W | M/E | N | P/S | P/N | R/N | R/S | S | T | TOTAL |
|-----------------------|-------|------|------|-------|-------|-------|-------|------|-------|------|-------|-------|-------|------|------|------|-------|-------|-------|-------|------|------|------|--------|
| No. of Institutions. | 19 | 6 | 8 | 54 | 15 | 33 | 14 | 33 | 16 | 13 | 36 | 45 | 53 | 10 | 19 | 8 | 25 | 17 | 38 | 32 | 20 | 19 | 23 | 556 |
| Total No. of beds. | 2622 | 249 | 256 | 2167 | 3717 | 1548 | 2741 | 412 | 991 | 294 | 991 | 1603 | 1320 | 424 | 273 | 443 | 3478 | 270 | 706 | 735 | 879 | 521 | 1021 | 27661 |
| No. of Mat. beds. | 589 | 150 | 92 | 786 | 385 | 408 | 485 | 276 | 349 | 125 | 467 | 621 | 793 | 145 | 180 | 145 | 466 | 215 | 398 | 385 | 293 | 318 | 356 | 8405 |
| Live Births. | 8575 | 4270 | 1385 | 11765 | 10289 | 14234 | 17640 | 4062 | 7951 | 7005 | 11746 | 15324 | 15116 | 7945 | 6205 | 7086 | 19951 | 11190 | 9554 | 9385 | 7782 | 7887 | 9114 | 225281 |
| Still Births. | 197 | 73 | 25 | 239 | 244 | 284 | 466 | 59 | 132 | 151 | 99 | 420 | 271 | 154 | 134 | 164 | 561 | 280 | 204 | 230 | 249 | 141 | 175 | 4952 |
| Total Confinements. | 8724 | 4341 | 1410 | 11992 | 10519 | 14518 | 18106 | 4120 | 8072 | 7156 | 11845 | 15744 | 15387 | 8099 | 6336 | 7250 | 20512 | 11470 | 9758 | 9615 | 8031 | 7828 | 9289 | 230122 |
| | (48T) | (2T) | | (12T) | (14T) | | | (1T) | (11T) | | | | | (3T) | | | | | | | | | | (91T) |
| Deaths among mothers. | 2 | — | — | — | 18 | 26 | 21 | — | — | — | — | — | — | — | — | — | 11 | — | — | — | — | — | — | 80 |
| B.C.C. Vaccination. | 8084 | 593 | 999 | 3539 | 9049 | 7609 | 11135 | 455 | 5661 | 7503 | 8348 | 15184 | 2043 | 3435 | 5572 | 2456 | 10771 | 4677 | 10900 | 14713 | 7454 | 8909 | 7068 | 156157 |

**K. E. M. HOSPITAL & G. S. MEDICAL COLLEGE,
PAREL, BOMBAY—400 012.**

| HOSPITAL : | Rs. |
|--|----------------|
| —Expenditure : | |
| A —On In-Patients. | 7,18,36,747.00 |
| —On-Out-Patients. | 2,77,17,663.00 |
| B —Average cost per :— | |
| (i) In-Patients per day. | 151.00 |
| (ii) In-Patient admission. | 1,217.57 |
| (iii) Out-Patient attendance. | 18.67 |
| (iv) Out-Patient admission. | 88.84 |
| —Results :— | |
| A— 1. Schedule Beds Strength. | 1,615 |
| 2. Daily Average —In-patients in Ward. | |
| 3. Admission including those brought over from the previous year 1986. | 57,844 |
| 4. Patients discharged. | |
| (i) As cured. | 43,715 |
| (ii) Otherwise. | 8,475 |
| (iii) Expired. | 4,230 |
| (iv) Remained in the hospital on the last day of the year 1987. | 1,599 |
| 5. Average stay of In-patients(In days). | 9.71 |
| B— 1. New Out-Patients attendance. | 3,05,151 |
| 2. Daily average of New Out-Patients. | 1,007 |
| 3. Out-Patients New & Old. | 13,84,935 |
| 4. Daily average of Out-Patient attendance. | 4,571 |
| 5. Casualty cases (Medico-legal). | 19,096 |
| C— Operations : | |
| 1. Major. | 18,839 |
| 2. Minor. | 33,058 |
| D— Confinements : | |
| 1. Booked cases. | 3,487 |
| 2. Emergency cases. | 221 |
| 3. Normal. | 3,039 |
| 4. Abnormal. | 669 |
| 5. Neonatal & Maternal Deaths : | |
| (i) Maternal Deaths. | 9 |
| (ii) Neonatal Deaths. (Full term babies) | 64 |
| Neonatal Deaths. (Premature babies) | 92 |
| (iii) Still Births. | 134 |
| (iv) Premature. | 12 |
| — Specialised Treatments : | |
| 1. Artificial Kidney Departments : | |
| (i) Peritoneal Dialysis. | 540 |
| (ii) Haemodialysis. | 2,719 |
| 2. I. C. C. U. Ward : | |
| (i) Number of Admissions. | 152 |
| 3. Open Heart Surgery. | 699 |
| 4. Other Operations (Heart). | 753 |
| 5. Neuro-surgery : | |
| Operations. | 860 |
| 6. Sterilizations : | |
| Male. | 257 |
| Female. | 1,272 |
| Radiology : | |
| 1. General Radiology. | 1,08,788 |
| 2. Vascular Radiology. | 7,415 |
| 3. Neuro-Surgery. | 1,523 |
| 4. Orthopaedic. | 28,536 |

| | | | |
|------|-------|--|-----------------|
| V | — | Blood Bank : | |
| | | 1. Number of Blood samples collected from :— | |
| | | (i) Voluntary Donors. | 8,105 |
| | | (ii) Relative Donors. | 7,236 |
| | | (iii) Indoor Voluntary Donors. | 330 |
| | | (iv) Others Hospitals. | 2,978 |
| | | 2. Number of bottles supplied. | 17,925 |
| | | 3. Total Number of grouping & X—matching. | 21,665 |
| VI | — | School Clinic. | |
| | | 1. School Children treated : | |
| | | 1. New. | 2,843 |
| | | 2. Old. | 17,393 |
| | | 2. Total expenditure on Clinic. (Rs.) | 4,12,145.17 |
| VII | — | Physi Therapy : | |
| | (I) | Attendance at the Centre : | |
| | | (i) Out-patients. | 5,974 |
| | | (ii) In-patients. | 19,676. |
| | (II) | Treatment given to : | |
| | | (i) Out-patients. | 60,184 |
| | | (ii) In-patients. | 2,98,245 |
| | (III) | Students admitted during the year. | 40 |
| | (IV) | Students in the school. | |
| | (V) | Students graduated during the year. | 28 |
| VIII | — | Occupational Therapy : | |
| | (a) | Patients treated at the Centre. | 1,93,735 |
| | (b) | Treatment given to— | |
| | | (i) Students admitted in the School during the year. | 38 |
| | | (ii) Number of students in the school. | 125 |
| | | (iii) Students graduated during the year. | 25 |
| | | COLLEGE : | |
| | | (i) Total expenditure on Hostel. | Rs. 3,18,822.48 |
| | | (ii) Revenue from Tution Fees, Hostel Rent. | Rs. 6,67,530.65 |
| | | (iii) Revenue from Post-Graduate fees. | Rs. 2,32,550.00 |

Students :

| | Male | Female | Total |
|--|------------|------------|--------------|
| Ist M. B. B. S. (June-87) admission. | 91 | 109 | 200 |
| Ist M. B. B. S. (Casual) | 10 | 19 | 29 |
| IInd M. B. B. S. — Ist term. | 91 | 88 | 179 |
| IInd M. B. B. S. — IInd term. | 11 | 15 | 26 |
| IInd M. B. B. S. — IIIrd term. | 93 | 91 | 184 |
| IIIrd M. B. B. S. — 1st term. | 25 | 11 | 36 |
| IIIrd M. B. B. S. — IInd term. | 84 | 86 | 170 |
| IIIrd M. B. B. S. IIIrd term. | 06 | 03 | 09 |
| IIIrd M. B. B. S. (Casual). | 45 | 14 | 59 |
| Interns. | 66 | 57 | 123 |
| B. Sc. (O. T.). | 4 | 92 | 69 |
| B. Sc. (P. T.). | 2 | 102 | 104 |
| Post-graduate students including Research. | 350 | 264 | 614 |
| Grand Total | 878 | 951 | 1,829 |

B—Occupation of parents or Guardians :

| | |
|--------------------------|-----|
| (i) Service. | 140 |
| (ii) Medical Profession. | 29 |
| (iii) Legal Profession. | 01 |
| (iv) Misc. Occupation. | 20 |
| (v) Engineering. | 10 |

The King Edward Vllth Memorial Hospital & Seth Gordhandas Sundardas Medical College are functioning since 1925-26. The Hospital is the largest civic medical institute in the city, fully modernised and well equipped with various departments. The G. S. M. College provides training facility in almost all the faculties of Medical and Surgery. Both the institutions are managed by the Dean with the assistance of Medical Personnel of high repute and numerous para-medical and other staff well trained in the line.

Dean — Dr. G. B. Parulakar, M.B.B.S., M. S., FACS, FAMS, FASC.

Asstt. Dean— Dr. (Smt.) S. R. Satoskar, M. B. B. S.

OCCUPATIONAL THERAPY TRAINING SCHOOL AND CENTRE :

Occupational Therapy Training School & Centre continued to progress satisfactorily inspite of severe problems of space, equipments & staff. The school progressed well during the year 1987. Since last six years the final year B.Sc. O. T. results have been 100%:

| | |
|---|----------|
| Staff members at present. | 36 |
| Students at present on Roll. | 125 |
| Students graduated during the year. | 25 |
| Students admitted in School for B.Sc. | 38 |
| Students admitted in School for M.Sc. O. T. | 5 |
| Students passed M.Sc. O. T. | 5 |
| Attendance of the patients. | 14,026 |
| Total Nos. of treatments given. | 1,93,735 |

Weaving, Winding, Printing, Carpentry, Tailoring work & other activities were given to the patients as a part of their physical & mental restoration programme. Some of the needy patients were also paid for the work as a part of their vocational Rehabilitation.

Weaving Activities : Weaving & Winding work were given to the patients. Patients produced handloom products like bed-sheets, towels, hankies, rug mats etc. This year the sale money amounted to Rs. 11,014/- was credited to the P. B. C. Fund of the K. E. M. Hospital.

Printing Activities :— During the year Rs. 2,12,160.00/- worth printing work was done & amount collected Rs. 14,87,675/- was credited to P. B. C. Fund of the K. E. M. Hospital.

Splints : Total 764 splints worth of Rs. 16,566/- were prepared and given to the patients. The total amount recovered for these were Rs. 14,428/- which was credited to the P. B. C. Fund of the K. E. M. Hospital. This year 10, New Orthoplast splints worth of Rs. 5,400/- were prepared and amount was credited to the Impress accounts.

Mrs. M. M. Shahani, Prof. & Head of O. T. School & Centre was invited to give lectures on "Occupational Therapy in India and Original Research work" at the College of Rehabilitation, Queens University Kingston, Canada in October 1987. She also elected as the Dean of Academic Council of Occupational Therapy for the year 1988.

The academic activities of the department are going on progressively inspite of shortage of space, discrimination in pay scales and lack of funds to purchase the equipments etc.

PHYSIOTHERAPY SCHOOL AND CENTRE.

Teaching : 40 students were admitted for B.Sc. P. T. Course in Aug. 1987 and 5 students were admitted for M.Sc. P. T. 28 students passed the B.Sc. P. T. in January 1987 and two out of three who appeared for M.Sc. P. T. in June, 1987.

Clinical Services : Physiotherapy services are availed of in all the specialities of medicine and surgery. The maximum work load, however, is in the fields of chest and cardio-vascular medicine and surgery, neurology, neuro-surgery, orthopaedics and management of pain and sports medicine, A. K. D. and tetanus.

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE.

Principle Activities of the Department : -

Teaching : Undergraduate Teaching :

No. of Field visits : 11

No. of Didactic lectures : —

Clinical Internship — 10 hrs.

Regular classes — 60 hrs.

Revision classes — 10 hrs.

No. of demonstration : 16 hrs.

No. of Seminars : 8 hrs. ✓

No. of practicals : 10 hrs.

No. of family visits : 10 hrs.

No. of under five visits : 10 hrs.

Post-graduate Teaching :

Seminars, Journal club, lectures and Practicals.

Clinical services : Nature of diseases treated in the Department.

Malvani Health Centre

1) Curative Service

Male

5,990

Female

11,051

Children

20,746

Total.

37,787

| | |
|--|--------------|
| 2) Immunisation : | 4,723 |
| Triple. | 5,215 |
| Oral Polio. | 1,283 |
| B. C. G. | 519 |
| Measle. | 2,537 |
| T. T. Post injury. | 3,383 |
| Exp. mothers. | |
| 3) Mother craft : | 1,550 |
| New. | 4,132 |
| Follow up visits. | 388 |
| Total number of highrisk. | 3,455 |
| Health Educators. | 212 |
| Group excersis. | |
| 4) Husband craft attended : | 440 |
| Total patients. | 25 |
| Session. | |
| 5) Under Fire clinic : | 6,409 |
| Total attendent. | 294 |
| Referred to N. R. C. | 534 |
| O. R. S. | 8851 |
| 6) (a) School Health check up | |
| (Children examined) | 7,308 |
| (b) Vit. A given. | 4,316 |
| (c) Deworming. | |
| 7) T. B. | 123 |
| New registered. | 1,848 |
| Follow up of old & New patients. | |
| 8) Leprosy : | 75 |
| New Registered. | 918 |
| Follow up of old & New cases. | |
| 9) Scabies. | 173 |
| Total patinets. | 790 |
| Family members dipped. | |
| 10) Camps | 1,972 |
| Dental. | 457 |
| Ophthalmic. | 268 |
| Family planning. | |
| 11) Laboratory services : | |
| Stool. | 238 |
| Urine. | 329 |
| Blood. | 1,527 |
| Sputum. | 320 |
| Malaria slide — 2116 | Positive : 4 |
| 1) Maternal child care in Naigaon community : | |
| i) Children treated in Under Five clinic. | 2,429 |
| ii) Mothers treated in Under fives clinic. | 500 |
| iii) Milk powder distribution to No. of patients. | 60 |
| iv) Health Education given to No. of mothers. | 500 |
| v) Gynaecological check up to May 1987. | 140 |
| vi) Child treated in Naigaon community up to May 1987. | 150 |
| vii) Tubectomy done. | 48 |
| viii) Inserted copper T. | — |
| ix) Immunization (No. of doses). | 3,382 |
| x) Undergraduate students Trained. | 480 |
| xi) Interns trained. | 120 |
| 2) U. I. P. in lower Parel community : | |
| I) Population surveyed. (from May 87) | 49,835 |
| II) Immunization (No. of doses given). | 1,539 |
| III) Vit. A. | 808 |
| 3) U. I. P. in Siwari B. D. D. Chawls : | |
| Population covered 5000 for immunization. | |
| 4) U. I. P. in Delle Road : | |
| Population covered for immunization. | 17,650 |
| 5) No. of Investigations carried out in the Laboratories : | |
| (Investigation Report Malavani Helath Centre) : | |
| Total No. of patients. | 8,253 |
| V. D. R. L. | 1,527 |
| Group. | 1,527 |
| E. S. R. | 782 |
| H. B. | 3,308 |

| | |
|----------------------------------|--------|
| W. B. C. (T. C.) | 667 |
| W. B. C. (T. C.) | 674 |
| ALB. | 329 |
| SUG | 354 |
| B. S. | 297 |
| B. P. | 297 |
| Micro. | 244 |
| Stool. | 238 |
| Sputum. (AFD) | 320 |
| Total No. of all investigations. | 10,564 |

| | |
|--|---------------|
| Investigations done at "F" South for O. P. D: M. M. E., F. P. patients. : | |
| H. B. | 2,136 |
| R. B. C. | 4 |
| W. B. C. | 2,409 |
| W. B. C. | 2,407 |
| E. S. R. | 987 |
| A. L. B. | 1,720 |
| Sug. | 1,827 |
| Micro. | 1,169 |
| BSBP | 1,071 |
| Stool. | 364 |
| Sputum. | 68 |
| Total No. of Investigations. | 12,162 |

DEPARTMENT OF ANAESTHESIOLOGY :

Department of Anaesthesiology continued to provide anaesthesia and resuscitation services as reflected in the number of operations carried out in various operation theatres. Department also managed these services at Dr. R. N. COOPER HOSPITAL at Juhu and Municipal hospital at Malad and at Santacruz hospital.

In respiratory care ward clinically ill patients were treated.

Anaesthesia O. P. D. continued to work smoothly. Facilities to do routine investigation like Hb, Urine were provided. Pain clinic and Accupuncture clinic was started.

The 36th Annual conference of Indian Society of Anaesthetists held at Calcutta was attended by 5 staff members who presented scientific papers, participated and chaired the symposia.

Department has been actively helping in their blood collection drive.

Teaching programme continued throughout the year. Lectures, case presentations, clinical meetings, journal review etc. were carried out throughout the year.

following papers were presented at Local and National meetings :—

- (1) Problems of open heart surgery during pregnancy.
- (2) Ketamine for poor risk patients for gastroscopy.
- (3) Use of low molecular weight dextran to prolong the brachial block.
- (4) Combination of lignocaine and bupivacaine for brachial plexus block.

Following research project were under study. —

- (1) Comparative study of sublingual buprenorphine with intramuscular pentazocin.
- (2) Use of epidural morphine for perivascular disease.

DEPARTMENT OF BIOCHEMISTRY AND NUTRITION :

This department is concerned with training the students for 1st M. B. B. S., M. Sc. (by papers), M. Sc. (by research), Ph. D. and D. M. L. T. courses. The report is as under :—

| 1st M. B. B. S. | Appeared | Passed | Percentage |
|--------------------------|----------|--------|------------------------|
| May 1987. | 15 | 12 | 80% |
| November 1987. | 210 | 181 | 86.19% |
| | | | (with 27 distinctions) |
| M. Sc. Part — I | | | |
| May 1987. | 11 | 10 | 90.90% |
| M. Sc. Part — II: | | | |
| May 1987. | 11 | 11 | 100% |
| | | | (10 1st class) |

M. Sc. by Research :

Two students were awarded M. Sc. degree. Ten students are working for M. Sc. degree and five students are working for Ph. D. degree.

ARTIST SECTION :

| | |
|--|--------|
| 1) Patient's photograph. | 2,898 |
| 2) X-Rays exposed. | 4,879 |
| 3) Specimen etc. exposed. | 569 |
| 4) Book copping etc. | 11,967 |
| 5) Preparing of graphs, charts, drawing etc. | 4,507 |
| 6) Function's photographs taken. | 875 |
| 7) Nurses photographs. | 245 |
| 8) Slides prepared. | 19,797 |
| 9) Prints prepared. | 9,434 |

MEDICAL RECORD DEPARTMENT.

The Scheduled be strength during the year was 1,615. there was constant over crowding in the hospital, particularly in the children wards, and in the female surgical and Medical ward and Orthopaedic wards, even after strict scrutiny and restriction on routine admissions.

Death Classified : Out of 4230 deaths 914 died within 24 hours of admission, 657 after 24 hours but within 72 hours of admission and 2659 after 3 days or more from the date of admission. The figures are inclusive of 175 still births, Prematurity and Neonatal deaths. Death rate was 7.51 as against 8.02 during the last year.

Confinement and Abortion : The total number of confinement was 3,989 and that Abortion was 281 (S. P. 42 + M. T. P. 239).

Medico-Legal Cases : Resident Medical Officers attended the various courts for giving evidence in 586 Medico-Legal cases, as follows :— Labour Court : 5 Lower Court : 156 Session Court : 22 M. A. C. T. : 26 Juvelian court : — Explanad Court : —

135 P. M. Notes were filled in the Coroner's Court and 240 P. M. Notes were given to Police Stations.

Medical Certificates : Certificates were issued to different Institutions and persons during the year as under :—

| | |
|----------------------------|--------|
| I) Opinion and Fitness. | 13,467 |
| II) Compensations. | 194 |
| III) Insurance. | 178 |
| IV) INJURY. | 186 |
| V) Injury to Police (Free) | 1,367 |
| VI) Municipal Staff. | 6,972 |

Anti-Rabic Vaccination given during the year.

| New | Old | Total | Deaths |
|-------|--------|--------|--------|
| 6,850 | 21,210 | 28,060 | 14 |

SOCIAL SERVICE DEPARTMENT :

The Social Service Department of K. E. M. Hospital was started in 1954. At present there are 15 Medico Social Workers.

(1) Library for the patients is continued this year at the main building and Orthopaedic Centre and the Cardio Vascular Thoracic Centre.

(2) Medico Social Workers arranged various entertainment programme, Film show, Diwali and Christmas shows and Magic Show.

(3) Group sessions are conducted with patients and their relatives in wards and the O. P. D.s.

(4) Mrs. Prabhudesai attended seminar on 'Medical and Psychiatric Social worker and the Legal Process' at the Tata Institute of Social Science.

(5) Mrs. K. Keskar participated in the training course on Genetic Counselling in the Prevention of Mental retardation at the J. J. Hospital.

(6) Through the Vishwa Hindu Parshad, 25 Needy families of patients were helped by supplying ration at the Orthopaedic Centre by Mrs. A. P. Shah. she also continued her supervision on that full time teacher for the bed-ridden children and also on 4 to 5 N. S. S. students of Ruia College.

(7) At the same centre, the other Medico Social Worker M/s. Goswani organised and participated with paraplegics of our hospital for National Level Sports at the K. S. Infirmary. She also attended Macarthy's Workshop 'Therpies in Sexual Dysfunction' and read paper on 'Sexuality and Spinal Cord injured' at the Sion Hospital Workshop at the Taj. According to her counselling in Sexual Therapies has brought about excellent results. Further she acted as a Resource person at the Law and Social work Workshop and as a Panelist at the Refresher's Course, both of which were organised by the Tata Inst. of Social Sciences. Through her untiring efforts a TV set was secured in donation for Wd. 26 (Children's Wd.). At present she is Committee member of council of Internationa Prog. Fellowship for Social Workers, and continues to be an organising committee member at Paraplegic Foundation. Over and above she supervised a Swedish Social Worker from Malmo General Hospital, Sweden in November 1987.

(8) Free food to indoor pts., Pt.'s relatives, milk powder, old clothes to pts. and their relatives given through Sanjivani and other charitable organisations.

(9) Miss. U. Pandey, one of our outstanding Medico Social Worker's whose long years of standing and dedication to the profession was unanimously awarded the 'Best Medico Social worker's award at the Foundation day Celebration.

(10) Miss. U. Pandey and Mrs. A. C. Dalvi were deputed by the K. E. M. Hospital to participate in the "Refresher's Course" held under the auspices of the T. I. S. S.

the old patients came regularly to the social worker, for follow-up for services like material aid, case work, rehabilitation etc.

The total number of new cases referred to the Social Service Department is 4,858.

| Service Rendered. | No. of cases. |
|--|---------------|
| 1) Material aid (medicines, appliances equipment for heart surgery, milk powder, cloths, etc.) | 2,454 |
| 2) Case work. | 886 |
| 3) Discharging patient from the hospital when there is a problem. | 281 |
| 4) Rehabilitation. | 215 |
| 5) Social Data. | 289 |
| 6) Referrals to other agencies. | 145 |
| 7) Fly. Screening. | 250 |
| 8) Follow up. | 238 |
| Total : | 4,858 |

SETH DHURMAL BAJAJ ORTHOPAEDIC CENTRE AND RESEARCH INSTITUTE :

Principle activities of the Department.

Teaching : Intensive teaching and training of under-graduate and Post-graduate was conducted during the year.

Spinal Surgery demonstration work-shop was arranged (CME/Programme) from 23rd to 27 th November 1987.

Spine Radiology Meeting — held monthly on 1st Monday of every month.

1st Spinal update Meeting held on 26th November 1987. This Spinal Update Meeting will be held as a regular feature on 1st Thursday of every alternate month.

1st Trauma Update Meeting held on 11th February 1987. This Trauma Update Meeting will be held as a regular feature on 1st Thursday of every alternate month.

Guest Lectures :

(1) Mr. Josh Habal, Orthopaedic Surgeon, Cardiff. — on "Limb Length Discrepancy (ten cases). — 26th December 1987.

(2) Mr. David Dandy on "Arthroscopy of the Knee Joint" — Munsif Oration — March 1987.

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(4) Dr. Palekar, Cleveland, USA on "Fracture Neck Femur — 19th February 1987.

Manscript No. 23 & 24

No. of new and old OPD cases :

| | | | |
|--------------------|--------|---------------------|--------|
| New Cases. | 32,859 | O. P. D. Plasters. | 13,338 |
| Old Cases. | 31,792 | O. P. D. Dressings. | 5,224 |
| Spine Clinic cases | 700 | O. P. D. Injections | 400 |

| | |
|--|--------------------------|
| No. of admissions during the year. | 4,166 |
| No. of investigations carried out in Laboratories : | |
| Total No. of blood collection. | 9,837 |
| Total No. of blood investigations. | 30,859 |
| Total No. of blood collection. | 2,139 |
| — E. S. R. | 7,709 |
| — Hb. | 7,772 |
| — WBC — Total. | 7,708 |
| — WBC — Diff. | 7,708 |
| Total collection. | 3,139 |
| Total investigation. | 6,358 |
| Radiological investigations : | |
| New X—Rays. | 18,756 |
| Repeat X—Rays. | 13,423 |
| No. of Operations carried out in E. O. T. : | |
| Major Operations. | 353 |
| Minor Operations. | 5,510 |
| Inj. Hydrocortizone. | 1,800 |
| No. of Operations carried out in the Year : | |
| Major Operations. | 940 |
| Total Hip. | 10 |
| Minor Operations. | 1,034 |
| | (including CP under GA). |
| Inj. Hydrocortizone. | 1,448 |

The new multistoreyed building is not yet started functioning fully except for the ward 37, which was started from 1st April 1986. The emergency operative work is thus suffering and alternative arrangements on temporary basis have been made in Routine Operation Theatre. The mobile Arm-intensifier received two years ago is still not functioning. Department has not yet obtained the AO sets which was proposed 1½ years ago.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY.

Obstetric cases & Operations :

| | |
|-------------------------------------|-------|
| Total No. of Confinements. | 3,989 |
| Total No. of Deliveries. | 3,708 |
| Registered Cases. | 3,487 |
| Emergency Cases. | 221 |
| Normal Deliveries. | 3,039 |
| Abnormal Deliveries. | 669 |
| Premature Deliveries. | 265 |
| Breech. | 50 |
| Face. | 14 |
| Lower Segment Caesarian Section. | 239 |
| Forceps Deliveries. | 119 |
| Vacuum Extraction. | 82 |
| Twins. | 31 |
| Cord Presentation Prolapse. | 1 |
| Placenta Previa. | — |
| Abortion (S. P. 42 + M. T. P. 239). | 281 |
| Mortality : | |
| Maternal Deaths. | 9 |
| Neonatal Death in full term babies. | 64 |
| Neonatal Death in Premature babies. | 92 |
| Still Births : | 134 |
| Full Term. | 122 |
| Premature. | 12 |
| Foetal Malformations. | 1 |
| Maternal Abnormalities : | |
| Pre-eclampsia. | 13 |
| Eclampsia. | 1 |
| Previous L.S.C.S. | 25 |
| Heart Disease. | 4 |
| Triplets. | |
| Hypertension. | |
| B.O.H. with pregnancy. | |

(6) Through the Vishwa Hindu Parishad, 25 Needy families of patients were helped by supplying ration at the Orthopaedic Centre by Mrs. A. P. Shah. she also continued her supervision on that full time teacher for the bed-ridden children and also on 4 to 5 N. S. S. students of Ruia College.

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|--|--------------------------|
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| Premature. | 12 |
| Foetal Malformations. | 1 |
| Maternal Abnormalities : | |
| Pre-eclampsia. | 13 |
| Eclampsia. | 1 |
| Previous L.S.C.S. | 25 |
| Heart Disease. | 4 |
| Triplets. | 2 |
| Hypertension. | 1 |
| B.O.H. with pregnancy. | 3 |

Obstetrics Operations :

| | |
|-------------------------------------|------|
| Total No. of Obstetrics Operations. | 1620 |
| Laparoscopy T. L. | 153 |
| M. T. P. with T. L. | 25 |
| M. T. P. | 71 |
| Abnormal T. L. | 280 |
| Tighting of O. S. | 52 |
| Secondary suturing of wound. | 49 |
| Exchange Transfusion. | 34 |
| Blunt Cureattage. | 6 |
| Cx biopsy. | 24 |
| Biopsy. | 8 |
| Cervical Biopsy. | 17 |
| E. U. A. | 7 |
| Check Cureattage. | 466 |
| F. Cureattage. | 20 |
| T. L. | 9 |
| Suction Evacuation. | 15 |
| Polypectomy. | 14 |
| I. U. C. D. | 5 |
| Hydrotubation. | — |
| Miscellaneous. | 323 |
| Curreattage. | 7 |
| Over Aspiration. | 20 |
| M. R. P. | 4 |
| E. M. Crydil. | 11 |

GYNAECOLOGICAL CASES AND OPERATIONS :

| | |
|---|------|
| Total No. of Gynasecological operations. | 2942 |
| Vaginal Hysterctomy. | 341 |
| Vaginal Hysterectomy with A. P. Repair. | 151 |
| Abdominal Hysteractomy. | 117 |
| Abdominal hysteractomy with A. P. repair. | 4 |
| Exploratory Laparotomy. | 55 |
| Fothergills Operations. | 16 |
| Vesico Vaginal Fistula repair. | 2 |
| Wertheim's Operation. | 6 |
| Abdominal Cervicopexy. | 12 |
| Tuboplasty. | 26 |
| Myomectomy. | 15 |
| Shirodkar Viginal repair. | 6 |
| Cervicopexy. | 8 |
| Cervicopexy A. P. repair. | 6 |

LAPROSCOPY :

| | |
|--------------------------|-----|
| D. & C. | 544 |
| D. & C. with Scopy. | 850 |
| Diagnostic Scopy. | 228 |
| Lap. T. L. | 221 |
| Laproscoy. | 2 |
| D. & C. Lap. T. L. | 37 |
| Scopy. | 124 |
| Scopy T. L. | 2 |
| A. P. Repair. | 8 |
| Ovum Pick up. | 33 |
| Ovarian Cyste. | 15 |
| Tubal Recanalisation. | 5 |
| Miscellanous. | 40 |
| Purandare's Cervicopexy. | 2 |
| Reqinal Hysteractomy. | 17 |
| Adiheriolysis. | 7 |
| Cone Biopsy. | 2 |
| Kelly's repair. | 7 |
| Gift. | 11 |
| Ex. Lap. | 22 |

| Dr. V. N. Purandare Research Centre Cytology Laboratory. | |
|---|---------------|
| | No. of cases. |
| Investigations. | |
| A) Antenatal Serology. | 5891 |
| Blood group and Rh. | 309 |
| Rh. Negative. | 275 |
| Rh. Antibodies titre. | 13 |
| Rh. Immunized. | 3874 |
| Hb. Estimation. | 7397 |
| VDRL. | |
| B) Biochemistry : | |
| Blood sugar. | 3650 |
| B. U. N. | 2680 |
| Creatinine. | 846 |
| Liver Function Test. | 433 |
| Proteins. | 632 |
| Uric acid. | 720 |
| Fibrinogen. | 25 |
| C) Haematology : | |
| Haemogram (Hb, ESR, WBC) | 2587 |
| RBC Morphology. | 112 |
| RBC count. | 848 |
| Platelet count. | 102 |
| Diff. count. | 679 |
| D) Miscellaneous Tests (Special studies) : | |
| 17 Ketosteroides in urine. | 18 |
| Barr Bodies in Endocrine disorders. | 22 |
| Toxoplasma Gondii antibodies. | 228 |
| Urine pregnancy test. | 1077 |
| 24 hours urine albumin. | 13 |
| Bacterial infection in urine by TTC test. | 23 |
| E) Amniotic Fluid Study for Fetal Maturity : | |
| Nile blue sulphate. | 32 |
| Shake test Foam stability Index. | 32 |
| Creatinine. | 38 cases. |
| Spectrophotometry. | 6 cases. |
| L/S Ratio. | 38 cases. |
| Phosphatidyl glycerol. | 28 cases. |
| F) Sterility studies : | |
| SEMEN Analysis. | 1728 |
| AIDS. | 965 |
| G) Cytology : | |
| Cervical smear. | 11460 |
| Abnormal smear. | 97 |
| Endometrial aspiration. | 30 |
| Colposcopy. | 32 |
| H. P. | 61 |
| Chlamydia test. | 35 |
| ONGOING RESEARCH PROJECTS. | |
| Taxoplasma Secondary. | 228 |
| Immunological pregnancy test. | 1077 |
| Phospholidyl glycerol. | 28 |
| Metabolic studies Phase II Ru 486. | 22 |
| Nasal Spray. | 23 |
| Comparision subcuqural bupremorphin with 7ml Pentazocine. | 100 |

IVET & GYNAECOLOGY ENDOCRINE O. P. D. (DR. I. N. HINDUJA'S UNIT)

| | |
|---|-------|
| Total case attend OPD 12 (A). | 2,100 |
| Primary Anaenorrhoe. | 19 |
| Secondary Anaenorrhoe. | 94 |
| Infertility (Total). | 1,740 |
| Primary infertility. | 1,370 |
| Secondary infertility. | 370 |
| Male infertility. | 32 |
| IVFET | 160 |
| CIFT. | 27 |
| Artificial Insemination. | 257 |
| Induction of ovulation clomiphene citrate | 151 |
| HMG HCG. | 23 |
| Monitoring of spontaneous ovulation. | 84 |

POST PARTUM PROGRAMME

| | |
|---|----------|
| I. U. C. D. | 733 |
| Oral Pills. | 1,071 |
| | packets. |
| M. T. P. (including spontaneous abortions). | 1,139 |
| Condoms. | 53,696 |
| | pieces. |
| Vasectomy. | 257 |
| Tubectomy. | 1,272 |
| Films shows. | 221 |
| | 25,476 |

MEDICAL TERMINATION OF PREGNANCY : SECTION

| | |
|---|------|
| Total M. T. P. | 1013 |
| Second Trimester. | 168 |
| Menstrual regulation studies included in 1st Trimester. | 196 |
| Out-patient suction evacuation of 1st Trimester. | 649 |
| Intra amniotic saline. | 5 |
| Extrta amniotic emoredil. | 163 |

ORAL CONTRACEPTIVE CENTRE :

| | Mtud | Oral Pills | Cut | Multiload | Net. Inj. | L.P. |
|--------------------------------------|------|------------|------|-----------|-----------|------|
| Total No. of new cases. | — | 84 | 735 | — | — | — |
| No. of cases at the end of the year. | 110 | 616 | 3757 | 478 | — | 254 |
| No. of cases closed during the year. | 15 | 86 | 400 | 8 | 34 | 4 |

RESEARCH PROJECTS :

Epidemiological studies of previous casesarean patients in relation to Pediatric outcome.

Place of prophylactic cophrectomy in gynaecology.

Laparoscopy in women with Ascitis.

Place of Labetalol for PIH.

Organised Endoscopy Workshop in February 1987 where in Gynaecologists from all over India participated.

Participated in CME Programs at Jaipur, Ahmedabad, Udaipur, Nagercoil, Allepy, Siligudi, Calcutta.

Conference : Annual conference of Bombay Obstetric Gynaecology Society, Guest Speaker at all Sujarat Obst. Gyanec. conference, Penal member at West Bengal Obst. Gynaec. conference.

SPECIAL ACTIVITIES :

Department conducted training in following :

(1) Laparoscopy in Obstetrics & Gynaecology.

(2) M T P Training.

C. V. T. C. LABORATORY :

The Gardio-Vascular & Thoracic Centre Laboratory has following Sections :

1. Clinical Pathology.
2. Clinical Biochemistry.
3. Histopathology.
4. Research Section.

The tests which have been a carried out in the laboratory during the year 1987 were as follows :—

I) CLINICAL PATHOLOGY SECTION :

| | No. of Samples. | No. of Test. |
|--|-----------------|---------------|
| (a) Complete Haemogram (Haemoglobin, RBC, Total & differential count, PCV & ESR). | 10,173 | 50,865 |
| Material Parasites: | 52 | 52 |
| Lupus Erythematosus (L.E. Cell) | 68 | 68 |
| (b) Routine analysis of Urine, Stool, Sputum & body fluid including microscopic examination. | | |
| Urine. | 3,761 | 11,283 |
| Stool. | 1,756 | 3,572 |
| Sputum. | 2,762 | 2,762 |
| Pleural fluid. | 173 | 173 |
| Total. | 18,745 | 68,775 |

II) BIOCHEMICAL SECTION :

| | | |
|--|---------------|-----------------|
| Liver Function Test. | 6,193 | 30,965 |
| Alkaline Phosphatase. | 149 | 149 |
| Prothrombin Time. | 3,753 | 3,753 |
| Clotting Time. | 900 | 900 |
| Bleeding Time. | 23 | 23 |
| Serum Glutamic Oxalacetis. Transaminase. | 7,340 | 7,340 |
| Serum Glutamic Pyruvate. Transaminase. | 7,340 | 7,340 |
| (b) Carbohydrate metabolism : | | |
| Blood Sugar. | 7,265 | 7,265 |
| Urine Sugar. | 647 | 647 |
| (c) Kidney Function Tests. | | |
| Blood Urea Nitrogen. | 9,227 | 9,227 |
| Creatinins. | 1,420 | 1,420 |
| Uric Acid. | 160 | 160 |
| (d) Serum Electrolytes. (Sodium, Potassium & Chlorides). | 22,474 | 67,422 |
| Calcium. | 94 | 94 |
| P. O4. | 53 | 53 |
| Bilirubin. | 296 | 296 |
| R. A. | 321 | 321 |
| Misc. | 11 | 11 |
| Total. | 67,666 | 1,37,359 |

IV) RESEARCH SECTION :

| | |
|------------------------------|-------|
| 1. Cholesterol. | 1,588 |
| 2. Study of Lipid Fractions. | |
| (a) H.D.L. Cholesterol. | 755 |
| (b) VLDL Cholesterol. | 755 |
| (c) LDL Cholesterol. | 755 |
| 3) Triglycerides. | |
| LDL Triglycerides. | 20 |
| VLDL Triglycerides. | 90 |
| HDL 2. | 90 |
| HDL 3. | 90 |
| 4) Na, K-ATPASE. | 155 |
| 5) Ca, Mg, ATPASE. | 155 |

| BIOCHEMICAL SECTION | | No. of Samples & Tests. |
|---|-----------------|-------------------------|
| Cholesterol. | ... | 1,589 |
| HDL Cholesterol. | ... | 1,556 |
| VLD Cholesterol. | ... | 1,379 |
| LDL Cholesterol. | ... | 1,379 |
| Triglycerides. | ... | 1,493 |
| Lipoprotein Electrophoresis. | ... | 1,307 |
| Protein Electrophoresis. | ... | 645 |
| Creatine Phosphokinase C. P. K. | ... | 217 |
| CPK Isoenzymes. | ... | 254 |
| Lactate dehydrogenase. | ... | 1,025 |
| LDH isoenzymes. | ... | 160 |
| Acetyo cholenesterase. | ... | 23 |
| Amylase. | ... | 135 |
| Amylase isoenzymes. | ... | 62 |
| Creatinine. | ... | 14 |
| Trypsin. | ... | 48 |
| Lipase. | ... | 50 |
| ACCR | ... | 14 |
| Serum proteings. | ... | 25 |
| IGE. | ... | 33 |
| 1 Antitrypsin. | ... | 160 |
| Apo B | ... | 170 |
| APo A | ... | 170 |
| Na ⁺ , K ⁺ Atpase activity. | ... | 59 |
| Ca ⁺ , Mg ⁺ Atpase. | ... | 37 |
| | ... | 12,004 |
| | No. of Samples. | No. of Samples. |
| CLINICAL PATHOLOGY. | 18,745 | 68,775 |
| BIOCHEMICAL SECT. | 79,670 | 1,49,363 |
| Grand Total. | 98,415 | 2,18,138 |
| | | No. of Samples. |
| IMMUNOLOGY SECTION | | |
| Immunoglobulin | | |
| KgG | ... | 126 |
| IgA | ... | 128 |
| IgM | ... | 130 |
| Complement | | |
| C3 | ... | 90 |
| C4 | ... | 70 |
| Alfa Feto. Protein | | |
| AFP | ... | 16 |
| C. Reactive Protein | | |
| C R P | ... | 21 |
| Cryoglobulin. | ... | 4 |
| T. Cell function. | ... | 9 |
| | ... | 603 |
| III) HISOPATHOLOGY SECTION : | | |
| 1. Surgical slides prepared. | ... | 1,460 |
| 2. Autopsy specimen received. | ... | 284 |
| 3. P. M. Slides stained. | ... | 8,525 |
| 4. Cytology slides stained. | ... | 1,044 |
| 5. Special stins on P. M. & Surgical. | ... | 335 |
| | ... | 11,648 |

Principle Activities of the Department :

Teaching : The staff posted in C. V. T. C. (reader/Tutor) is involved with undergraduate lectures in Pathology. Lectures in General Pathology Systemic Pathology (CVS) are given to Under-graduate. Under-graduate practical class is also taken in General Pathology, Systemic Pathology, Clinical Pathology.

Post-graduates are posted in C. V. T. C. for training in Cardiac Pathology. Both Gross microscopic teaching is given to post-graduates. Slides seminars, discussions on various topics are also undertaken. A weekly teaching session is also arranged for Cardiology post-graduates.

Dr. S. P. Taskar takes two teaching session for her post-graduates per week, and M. /sc, (Biochem) paper students 10 lectures per year.

E. N. T. DEPARTMENT, SPEECH THERAPY & AUDIOLOGY**Principal Activities of the Department.****Teaching :**

- a) **Undergraduate teaching programme :** Clinics, Case presentation daily.
 OPD patients. — Daily.
 Lectures. — Twice a week.
 Seminars, Clinics. — Daily.
 Video session. — Teaching.
- b) **Postgraduate :** Clinics, Seminars. Journal club—once a week.
 Journal club — once a week.
 Discussions.
 Video session — twice a week.
 Temporal Bone dissection session.
- c) **Clinical :** ESOM, Vertigo.
 Head & Neck cancer/Swelling.
 Tonsillitis.
 Deafness.
- d) **Research :**
 1) Styloid process in To Plasty.
 2) Meniere's diseases.

No. of New & Old OPD cases during the year.

| Male | Female | M/Child | F/Child | Total |
|------|--------|---------|---------|-------|
| 8087 | 5211 | 1967 | 1493 | 16758 |

No. of admission during the year :

| Male | Female | M/Child | F/Child | Total | |
|------|--------|---------|---------|-------|--------------------|
| 502 | 353 | 177 | 138 | 1170 | I—Dr. S. B. Ogale. |
| 548 | 335 | 164 | 150 | 1197 | II—Dr. K. L. Shah. |

No. of Investigations carried out in the laboratories.

| | | | | | |
|------------------|---|------|------------|---|------|
| No. of Audiogram | : | 2993 | Follow up | : | 2125 |
| Special Test. | : | 1563 | Impedence. | : | 914 |
| | | | Glycerol. | : | 207 |
| Speech cases. | : | 202 | Follow up. | : | 1794 |

No. of operations carried out. : 2886

TUMOUR CLINIC :**Principle Activities :**

Clinical : Follow up of cancer patients and treatment of advanced cancer cases.

Teaching : Undergraduate and Post-graduate lectures in Oncology.

Research : Indigenous drugs in malignancy, Relief of pain.

O. P. D. Attendance : About 250 cases (Old & New) and Ind. Admn. 250.

Admissions, Investigations & Operations : Since this is only an OPD activity, no such activity was undertaken.

Special Activity : Dr. Patel represented corporation on Maharashtra state Cancer Control Board. (Diagnostic Sub-Committee).

DEPARTMENT OF MEDICINE :**Principal Activities :**

Teaching : Undergraduate : Students rotate through the Department in 3 phases: junior clinical and 1st and 2nd Medicine terms. During the junior clinical rotating term of about 2 months, three lectures a week on initiation into the subject are conducted. About 8-10 lectures a week are also conducted during the 2nd medicine term of 2 months. In addition, during all the above terms students are expected to be in the Wards for at least 3 hours daily, during which individual teachers or units also conduct bedside activities.

Post-graduate : The department conducts a post-graduate bedside clinic, a clinically-oriented conference, a lecture and a postdoctoral journal club every week. Individual units conduct their own post-graduate activities in addition.

Clinical : The Department has six independent units which conduct outpatient days and have indoor beds for management of the full spectrum of diseases in Internal Medicine. In addition, specialised sections include weekly Rheumatology and Geriatrics Clinics. Specialised indoor facilities include a tetanus ward and a six-bed intensive care unit which is manned round the clock.

Research : Individual units conduct their research activities independently, in collaboration with other departments in the institution, either through the auspices of the Research Society of the Hospital or otherwise.

Important achievements and other information :

Dr. P. D. Dastur resigned as Professor and Head of the Department of Medicine effective 1-2-1987 and left this institution after a length of service of almost two decades. During his tenure in the department, he was in charge of the Tetanus section, conceived and developed the Medical Intensive Care Unit and was head of a Medical Unit and later the Department of Medicine. The Medical Unit and attached Tetanus section are now headed by Dr. P. Abraham, Reader in Medicine.

Dr. S. R. Naik, resigned as Professor and Head of the Gastroenterology Division after serving in the Department for about 5 years. He was responsible for upgrading this division into an independently functioning, fully equipped department. Dr. P. Abraham has been given charge of the Gastroenterology department (report of G. E. Department has been submitted separately).

The Rheumatology Clinic continues to be managed by Dr. G. H. Tilve, Professor and Head of Department of Medicine, and his Medical Unit staff. A total of 1331 old cases and 349 new cases were seen in the clinic during the year.

Dr. K. P. Chawla was promoted as Professor of Medicine and continues to run the Geriatric Clinic. Geriatric Outpatient Clinic was started in February 1986, by Dr. Mrs. K. P. Chawla. It is run once in a week in the afternoon time for about 2 hours by medical unit under Dr. Chawla. About 150 patients are registered in this clinic. Roughly about 20 to 30 patients attend the clinic regularly. Elderly persons attending this clinic are fully evaluated on routine basis. Most of them have chronic ailments like hypertension, cardiorespiratory either acute or chronic problems, diabetes, genitourinary, psychosocial problems etc. Patient needing hospitalisation are admitted in the same medical unit which conducts the outpatient clinic. Some projects on geriatric patients are started which are mainly looked after by the postgraduate students as their dissertation under the guidance of the unit chief.

A total of over 500 patients were treated this year in the Tetanus + MICU section.

DEPARTMENT OF NEPHROLOGY**Principle Activities of the Department :****Teaching :**

Undergraduate : Physio and Occupational Therapy M. B. B. S.

Postgraduate : D. M. and Diploma of National Board in Nephrology and M. D. Medicine.

The department was recognised as an independent postgraduate department for D. M. Course in Nephrology and since then a total of 3 students have registered for D. M. Course in Nephrology. Besides this, some of them are being trained for Diploma of National Board in Nephrology, the staff members i.e., Dr. V. N. Acharya and Dr. Alan Almeida are also actively involved in teaching the M. B. B. S. and Physio and Occupational Therapy students by taking lectures and conducting clinical sessions for them. The training programme for nurses, technicians and students of bio-technology from other institutions is being conducted as usual.

Clinical Service :

The department carries out its OPD service in the following 4 outpatient clinics that it runs :

(i) The Renal clinic an important component which looks after the preventive aspects of renal dialysis and renal failure continue to run by appointments on Monday.

(ii) The special Renal Diabetic clinic continued to be run once a week on Thursday afternoons and has been proved very useful in prevention and early detection of diabetic renal diseases. In addition 2 more outpatient sections have been started functioning in the department.

(iii) The Nephrology OPD is run on Tuesday mornings between 9.30 to 12.30 p.m.

(iv) The Renal transplant clinic is run on Thursday mornings between 9.30 a.m. to 11.30 a.m. In these clinics bacteriology of urine, diet advice, certain immunological investigations are being done on the spot. The biochemical profile of these patients is obtained on regular basis for renal package studies being carried out by Lab. No. 44 as in the previous years.

The indoor patients of the department have a total of 34 beds assigned between Ward 34, 34-A, Ward 12 and Ward. 4.

A total of 6424 patients were seen in the above various outpatient clinics run by the department. The break-up of which is as follows :—

| | New | Old |
|--|-------------|-------------|
| 1. Renal clinic & Renal-Diabetic Clinic. | 420 | 2682 |
| 2. Renal Transplant Clinic. | 18 | 551 |
| | 438 | 3233 |
| 3. Nephrology O. P. D. | 690 | 2063 |
| TOTAL : | 1128 | 5296 |

No. of Investigations carried out in the Laboratories :

In the Applied Biology Laboratory (Lab. No. 26) attached to the department, the following investigations needed for the department were carried out.

| | |
|--|-------|
| 1. Urine cultures. | 4,890 |
| Mid stream urine samples. | 4,639 |
| Catheter samples. | 155 |
| Bladder puncture samples. | 96 |
| 2. Blood cultures. | 115 |
| 3. Miscellaneous cultures. | 1,029 |
| Swabs from wound. | 375 |
| Peritoneal fluids. | 604 |
| Catheter tip. | 50 |
| 4. Australia Antigen detection. | 148 |
| 5. Immunoglobulins and complement determination. | 26 |
| 6. Prothrombin time estimation. | 1,037 |

In the Bio-Chemistry Section housed in Lab. 44, the following no. of investigations were done.

| | |
|--|--------|
| 1. Urine analysis. | 8,600 |
| 2. Renal Profile (Plasma BUN Creat, Sodium, Potassium, Chloride & Bicarb.) | 15,000 |
| 3. Liver function tests. | 15,000 |
| 4. Bone Profile (calcium, Phosphorus, Aik, Po4 ase)- | 1,070 |
| 5. Serum & Urinary Uric acid. | 272 |
| 6. G. T. C. | 1,280 |
| 7. Creatinine clearance. | 320 |

No. of Operations or procedures carried out :**Minor Operations :**

| | |
|--|-----|
| Minor Operations : | |
| Kidney biopsies. | 222 |
| Fine Needle Aspiration Cytology (FNAC) | 62 |
| A — V shunts. | 220 |

| | |
|--------------------------------|-------|
| Major Operations : | |
| Hemodialysis. | 2,719 |
| Peritoneal dialysis. | 540 |
| Total. | 3,259 |
| Plasmapheresis. | 25 |
| Very major Operations : | |
| Kidney transplantations. | 24 |

These patients on an average needed dialysis for a period of 3½ months in preparation for transplant and were looked after in the Intensive Care Unit of Ward 34-A for a period of 3-4 weeks each after transplant.

NUCLEAR MEDICINE DEPARTMENT :

SCINTIGRAPHY :

| | |
|---|-------|
| 1) Liver Scans. | 1,024 |
| 2) Brain scans. | 165 |
| 3) Bone scans. | 252 |
| 4) Hepatobiliary scans. | 199 |
| 5) Renal scans. | 14 |
| 6) Lung ventilation scans. | 3 |
| 7) Lung perfusion scans. | 2 |
| 8) Renograms. | 7 |
| Thyroid function tests. | |
| 9) Charcoal T3 uptake tests. | 536 |
| 10) Radioiodine uptake tests. | 680 |
| 11) Thyroid scans with Radioiodine 131. | 340 |
| 12) Radioactive iodine 131 therapy. | 77 |
| 13) Thyroid scans with To99m. | 8 |
| Endocrine OPD attendance : | |
| 14) Old patients. | 3,193 |
| 15) New patients. | 1,740 |

CLINICAL BIOCHEMISTRY (LAB-44) :

| | |
|--------------------------|--------|
| 1) Medical Unit : | |
| Renal Profile. | 13,500 |
| BUN | 13,500 |
| Creatinine. | 13,500 |
| Na. | 13,500 |
| K. | 13,500 |
| Cl. | 13,500 |
| HCO ₃ . | 13,500 |
| Total Protein. | 13,500 |
| albumin. | 13,500 |
| Globulin. | 13,500 |
| Total bilirubin. | 13,500 |
| Direct bilirubin. | 13,500 |
| S. G. O. T. | 5,726 |
| S. G. P. T. | 5,726 |
| Alk. Phosphatase. | 2,008 |

This clinical research laboratory under Dr. A. V. Potnis, Professor of Clinical Biochemistry is catering its services as follows :—

- (1) Medical Units (Full Time) : Under Dr. G. H. Tilve, Dr. K. P. Chawla and Dr. P. A. Abraham.
- (2) Medical Units (Part-Time) : under Dr. C. P. Dalvi, Dr. S. G. Dalvi, Dr. P. D. Anjaria. Other units under Dr. P. U. Shah, Dr. S. K. Pandya, Dr. L. P. Shah, Dr. D. R. Doongaji, Dr. L. N. Vora, Dr. N. B. Kumta, Dr. M. D. Shah, Dr. S. F. Irani, Dr. I. N. Híduja and orthopaedic centre are covered for electrolyte estimations.
- (3) G. I. Medicine under Dr. P. Abraham.
- (4) G. I. Surgery.
- (5) Nephrology Department (AKD).
- (6) Urology Department.
- (7) Endocrinology/Diabetic Unit under Dr. S. D. Bhandarkar.
- (8) Other special investigations.

| | |
|--|--------------|
| Bone profile. | 170 |
| Calcium. | 170 |
| Phosphorus. | 170 |
| Alkaline phosphatase. | 5,240 |
| Blood sugar. | 160 |
| + GTC (Sugars) | |
| 2) Medical Unit (Part-time) : | 7,500 |
| Number of samples for electrolyte. | 7,500 |
| Na. | 7,500 |
| K. | 7,500 |
| Cl. | 7,500 |
| HCO ₃ . | 30,000 |
| Total. | |
| 3) G. I. Medicine. | 5,100 |
| Renal profile. | 5,100 |
| -BUN. | 5,100 |
| Creatinine. | 5,100 |
| Na. | 5,100 |
| K. | 5,100 |
| Cl. | 5,100 |
| HCO ₃ . | 5,100 |
| LFT. | |
| Total protein. | 5,100 |
| Albumin. | 5,100 |
| Globulin. | 5,100 |
| Total bilirubin. | 5,100 |
| Direct bilirubin. | 5,100 |
| S. G. O. T. | 2,924 |
| S. G. P. T. | 2,924 |
| Alk. Phosphatase. | 1,270 |
| | |
| Pancreatic profile. | |
| LFT. | 5,100 |
| Serum amylase. | 70 |
| Blood sugar + GTC. | 1,820 |
| Haemoglobin. | 1,180 |
| Urine analysis. | 586 |
| | |
| 4) G. I Surgery. | |
| Renal profile. | 2,400 |
| BUN. | 2,400 |
| Creatinine. | 2,400 |
| Na. | 2,400 |
| K. | 2,400 |
| Cl. | 2,400 |
| HCO ₃ . | 2,400 |
| LFT Total protein. | 2,400 |
| Albumin. | 2,400 |
| Globulin. | 2,400 |
| Total bilirubin. | 2,400 |
| Direct bilirubin. | 2,400 |
| SGOT. | 1,000 |
| SGPT. | 1,000 |
| Alk. Phosphatase. | 40 |
| Pancreatic profile. | |
| LFT. | 2,400 |
| Serum amylase. | 364 |
| Urine amylase. | 110 |
| Nephrology/Renal Clinic/Ward XII/VNA. | |
| Renal profile. | 15,000 |
| BUN. | 15,000 |
| Creatinine. | 15,000 |
| MR. | 15,000 |
| K. | 15,000 |
| Cl. | 15,000 |
| HCO ₃ . | 15,000 |
| LFT. | |
| Total protein. | 15,000 |

| | |
|--|--------|
| Albumin. | 15,000 |
| Globulin. | 15,000 |
| Total bilirubin. | 15,000 |
| Direct bilirubin. | 15,000 |
| Alk. Phosphatase. | 1,070 |
| SGOT. | 9,070 |
| SGPT. | 9,070 |
| Bone profile. | 1,070 |
| Calcium. | 1,070 |
| Phosphorous. | 92 |
| Creatinine Clearance. | 320 |
| Uric acid: | 272 |
| Urine uric acid. | 272 |
| Urine uric acid. | 160 |
| Blood sugar. | 8,880 |
| GTC 320 X 4. | 1280 |
| Haemogram. | 8200 |
| Urine analysis. | 8600 |
| | |
| 6) Urology Department. | |
| Renal profile. | 1350 |
| BUN. | 1350 |
| Creatinine. | 1350 |
| No. | 1350 |
| K. | 1350 |
| Cl. | 1350 |
| HCO ₃ . | 1350 |
| LFT Total protein. | 1350 |
| Albumin. | 1350 |
| Globulin. | 1350 |
| Total bilirubin. | 1350 |
| Direct bilirubin. | 1350 |
| SGOT. | 30 |
| SGPT. | 30 |
| Bone profile. | 810 |
| Calcium. | 810 |
| Phosphorous. | 810 |
| Alkaline Phosphatase. | 810 |
| Uric acid. | 540 |
| Acid Phosphorous. | 55 |
| | |
| 7) Endocrinology Unit/Diabetic Unit under Dr. SDB : | |
| Renal profile. | 378 |
| BUN. | 378 |
| Creatinine. | 378 |
| Na. | 378 |
| K. | 378 |
| Cl. | 378 |
| HCO ₃ . | 378 |
| LFT Total protein. | 378 |
| Albumin. | 378 |
| Globulin. | 378 |
| Total bilirubin. | 378 |
| Direct bilirubin. | 378 |
| SGOT. | 40 |
| SGPT. | 40 |
| Alkaline phosphatase. | 408 |
| Urine chemistry. | 234 |
| Urea. | 234 |
| Creatinine. | 234 |
| Na. | 234 |
| K. | 234 |
| Cl. | 234 |
| Bone profile. | 408 |
| Calcium. | 408 |
| Phosphorous. | 408 |
| Alk. Phosphatase. | 408 |
| Urinary calcium. | 382 |
| Phosphorous. | 382 |

| | |
|---|-----|
| 8) Other investigations. | |
| Blood barbiturate levels. | 188 |
| Osmolality. | 20 |
| Fecal fat. | 416 |
| Dxylose. | 172 |
| Stool examination. | 574 |
| Total number of investigations has been exceeded by 14,347. | |

DEPARTMENT OF GASTROENTEROLOGY :-

Principle activities :

Teaching :-

Undergraduate : Conducts lecture series for undergraduate students as part of the programme of Department of Medicine. Both staff members also conduct bedside clinics in Medical Units.

Postgraduate : Conducts lectures, PG bedside clinics, clinicopathological conferences under department of Medicine programme. In addition, conducts bedside clinics, histology, medico-surgical and radiology sessions and journal club/review sessions every week for postgraduate and postdoctoral students in the Dept. of Gastroenterology.

Clinical Service :

All diseases pertaining to the gastrointestinal tract and hepatobiliary system are treated in this Department. Liason with G. E. surgeons and radiologists has made possible surgical and interventional radiological procedures as well.

Specialised services offered include all upper and lower G. I. endoscopic procedures (routine and emergency) including esophageal variceal sclerotherapy and ERCP.

| | |
|---|--------------|
| OPD cases : | |
| New cases. | 847 |
| Old cases. | 1192 |
| Admissions : Total | 114 |
| Laboratory investigations : | 2,700 |
| 24—hour fecal weight and fat content. | 146 |
| Endoscopic variceal sclerotherapy. | 676 |
| Endoscopic retrograde cholangiopan-creatography (diagnostic and therapeutic). | 51 |
| Sigmoidoscopy. | 97 |
| Colonoscopy (diagnostic and therapeutic). | 50 |
| Endoscopic/capsule/needle biopsy. | 648 |

DR. J. C. PATEL DEPARTMENT OF HAEMATOLOGY :

Principle Activities of the Department :

- a) **Teaching :** Undergraduates : Lectures, 12 per year.
 Postgraduates : Ward rounds twice a week.
- b) **Clinical Service :** Investigations and Treatments of Various haematological disorders which includes Iron deficiency anaemia, nutritional anaemia, liukaemias, Bleeding disorder, Heamoglobinopathies, Thalassemsias, ITP, AIHA etc.
- c) **Research :** i) 'Collaborative study on Heamophilia' financed by ICMR.
 ii) Effect of Danazol on FVIII levels in Haemophiliacs.
 iv) Immune response in IDA.
 v) Prevalance of BTT in Lohana community and pregnant females.

| | |
|------------------------------------|-------|
| No. of new patients attending OPD. | 1,150 |
| No. of old patients attending OPD. | 3,520 |
| No. of admissions. | 153 |

No. of Investigation carried out :

| | |
|--------------------------------------|-------|
| Haemoglobin. | 2,459 |
| Packed Cell Volume. | 2,459 |
| Reticulocyte count. | 2,400 |
| Giemsa stainings. | 2,459 |
| Total W. B. C. Counts. | 2,400 |
| Differential W. B. C. counts. | 2,459 |
| Erythrocyte Sedimentation Rate. | 103 |
| L. E. Cells. | 14 |
| Bone marrow aspiration and Biopsied. | 312 |
| Urine Haemosidine. | 104 |
| Sucrose lysis test. | 96 |
| Acid Haem Test. | 5 |
| Bone Marrow Iron stain. | 301 |

HAEMOGLOBINOPATHIES :

| | |
|------------------------------|-------|
| Screening Test. | 3,898 |
| Complete Osmotic Fragility. | 58 |
| Foetal Haemoglobin. | 568 |
| Hb—Electrophoresis. | 789 |
| Sickling Test. | 675 |
| Serum Iron: | 611 |
| Total Iron Binding Capacity. | 611 |
| Trans. Saturation. | 611 |
| Antitetanus antibody titre. | 356 |
| Blood grouping. | 18 |

COAGULATION TESTS :

| | |
|---------------------------------|-----|
| Bleeding time. | 355 |
| Clotting time. | 355 |
| Prothrombin time. | 398 |
| Partial thromboplastin time. | 460 |
| Thrombin time. | 406 |
| Thromboplastin Generation test. | 160 |
| Clot Refraction. | 355 |
| PF3 availability. | 15 |
| RCV Time. | 8 |
| F VIII Antibody Screening. | |
| F VIII Antibody Quantitative. | 5 |
| Fibrinogen Assay. | 40 |
| Factor VIII assay. | 496 |
| Factor IX assay. | 10 |
| Factor XIII (qualitative). | 360 |
| Factor Related Antigen Assay. | 10 |

LIVER FUNCTION STUDIES :

| | |
|-------------------|-----|
| Bilirubin. | 340 |
| S. G. O. T. | 320 |
| S. G. P. T. | 320 |
| Alk. phosphatase. | 270 |
| T protein. | 270 |
| Albumin. | 270 |
| r—GT. | 320 |
| HTLV3. | 92 |

HEPATITIS MARKERS :

| | |
|---------------|-----|
| HBsAg. | 390 |
| Anti HBc IgM. | 184 |
| Anti HBc. | 320 |
| Anti HBe. | 92 |
| HBe. | 92 |
| Anti HBs. | 320 |

OTHER TESTS :

| | |
|--------------------------------|-------|
| Creatinine levels. | 36 |
| Cryoglobulin. | 3 |
| Serum ferritin. | 650 |
| Anti idio type Antibody titre. | 6,356 |
| Circulating Immune Complex. | 450 |
| Immunoglobulins titres. | 356 |

Dr. P. K. Sen Dept. of Cardiovascular & Thoracic Surgery.

Teaching : Teaching and training programme from the postgraduate students who are training for M.Ch. (Cardiothoracic surg.) in Bombay University. There are four recognised postgraduate teachers and four students are registered every year for this course.

The undergraduates of G. S. Medical College are also sufficiently exposed to the knowledge of the super speciality and the staff members take regular lectures for undergraduate students of this institution. There is a separate course being conducted for Extra Corporeal Perfusion technology.

The staff members also provide superspeciality training to nursing staff and other paramedical personnel.

Clinical Service : As mentioned, the centre provides surgical treatment to large number of patients, and all types of surgical procedures, both closed and open heart, vascular and thoracic are being routinely conducted. In the year 1987—88, 668 open heart procedures were carried which included all types of simple and complex congenital heart diseases, valvular heart disease and coronary artery bypass grafting. Besides, there were 573 other operations carried out which included closed heart operations, lung resections, pacemaker implantations, Thymectomies and others.

While the major bulk of operations is still formed by valvular heart disease. It is followed closely by operations for congenital heart diseases. There is a heartening increase in the number of coronary artery bypass grafting operations for ischaemic heart disease. The closed heart operations, lung resections and vascular operations for aneurysm and obstructive arterial diseases also are being carried out in good number.

The valvular surgery has included Open Mitral Commissurotomy, and valve repairs, valve replacements, single and double, aortic valve replacement with aortic root wid, VSD, PS to complex repairs like Tetralogy of Fallot, T. G. A. and single ventricles. This includes two cases of Senning's repair and two cases of Fontan's repair.

Four OPSs are conducted during the week, two each by a Unit. As mentioned, large number of both new and old cases are seen during the outpatient clinic.

Besides the routine teaching, frequent seminars and symposia are arranged with the local faculty as well as visiting surgeons and experts from overseas. There are close integrated teaching programmes with related disciplines like cardiology, cardiac pathology vascular radiology, chest medicine etc.

| | |
|---|---------|
| No. of New and Old O. P. D. cases during the year : | |
| New : 3058 Old : 8711 Total. | 11,769. |
| No. of Admissions during the year. | 1,303. |

DEPARTMENT OF CARDIOLOGY (Dr. P. A. Kale).

Principal activities of the Department :

Teaching : Department of Cardiology is designed as a superspeciality and therefore this unit (Unit—II) is concerned mainly with the clinical and investigative teaching of Doctors registered for the post of D. M. Cardiology. This includes daily bedside rounds with clinical teaching, specialised non invasive procedures like arrhythmia analysis, external chest wall stimulation in patients with permanent pacemaker and other procedures like sinus node recovery time studies. His bundle electrographic analysis. There are 2 post graduate clinics organised in the form of seminars per week by both the units of the department in combined fashion. Similarly a joint session once a week with the members of cardiac surgery and cardiac pathology. Cardiac catheterization and angiography studies are performed 3 times a week and the unit performs on an average 10 to 15 procedures/week. Permanent pacemaker implantation is routinely done on patients in need of this device. New techniques in interventional cardiology like balloon dilatation of stenosed valves and coarctation of aorta are now being routinely done and taught to the residents of our unit.

Clinical Service : Our unit has a big service which attends to all aspects of adult and paediatric heart diseases, both congenital and acquired.

| | |
|--|-------|
| No. of New & Old OPD cases during the year. | |
| Old case. | 4,197 |
| New cases. | 3,231 |
| No. of admissions during the year —1,526. | |
| No. of investigations carried out in the Laboratories. | |
| ECG : 3,274. | |
| Treadmill Stress Test. | 305 |
| Computerized Stress Test. | 314 |
| Catheters & Angio. | 340 |
| No. of operations or procedures carried out. | |
| Arrhythmias (Major). | 130 |
| DC shock. | 34 |
| Pacing—Temporary. | 55 |
| Permanent. | 15 |
| SNRT. | 18 |
| Telemetry. | 6 |
| Holter. | 2 |
| PAWP Monitoring. | 15 |
| Rehabilitation Occ. The. | 318 |
| Phy. The. | 1766 |

DEPARTMENT OF CARDIOLOGY (Dr. A. S. Vengsarkar).

Principal Activities of the Department :

Teaching : Undergraduate Teaching : Lectures on different subjects of Cardiology are taken by the staff members for undergraduate students.

Postgraduate Teaching : Each senior staff member : Dr. A. S. Vengsarkar, Dr. S. C. Munsli, Dr. L. S. Shah are university teachers and have 1-2 PG students at a time for PG training in the subjects of Cardiology PG training is as follows :

Clinical rounds made by staff members with PG students and residents.

Department Conferences : 2 per week for postgraduate training. Inter Department conference with surgeons for PG training and clearing cases.

Inter Hospital Conferences : Once/month—arranged by Dept. of Cardiology of teaching hospitals of Bombay in turn and of Cardiovascular and Thoracic Surgeons.

Cardiological Society of India (Bombay Branch) Conference :

National and International speakers of reputations are invited to speak on 'Update cardiology'.

CSI—National Conferences — One/Yr. papers of teaching interest are presented by staff members and PG students.

PG students are taught invasive and non invasive procedures. Invasive procedures include Cardiac Catheterization in various types of cardiac lesions. Special procedures like septostomy and valve dilatations are performed. Similarly pacemaker implantations, arrhythmia recognition, EPS, HBE etc. are done regularly. Non invasive procedures like 2 dimensional echocardiographic studies with doppler assessment, computerized and regular stress tests; Holter monitoring are done.

Clinical Service :

Unit I treats a large number of various types of cardiac lesions i.e. congenital heart disease, rheumatic heart disease, ischaemic heart disease, hypertensive heart disease and cardiomyopathies. A large number of new and old cases are examined in outpatient department and follow up. Unit I has 2 OPD days. There are 3 admission days in a week and alternate Sundays for ICCU and cardiac Ward admissions. ICCU has 8 beds capacity which treats all acute emergencies round the clock. Average ward capacity is 35—40 patients. Patients in ICCU are treated with new drugs and modern equipment. Emergency procedures like CPR, arrhythmia recognition, pacemaker implantations, and thrombolytic therapy are carried out round the clock.

University Examination : D. M. Cardiology.

The Department has the largest number of teachers and Cardiology PGs among the affiliated colleges in Bombay University. All the three candidates who appeared for the D. M. Cardiology, in 1987—88 were declared successful at the first attempt.

| | |
|---|-------|
| No. of Admissions during the year. | 1,277 |
| No. of New and Old cases during the year. | |
| New Cases. | 2,362 |
| Old Cases. | 5,900 |
| No. of Investigations carried out in the Laboratories. | |
| ECG. | 7,100 |
| Treadmill Stress Test. | 242 |
| Computerised Stress Test. | 224 |
| Catheters and Angio. | 305 |
| No. of operations or procedures carried out. | |
| —Three channel recordings. | 50 |
| —24 hours ambulatory monitoring. | 155 |
| —Rehabilitation Programme. | |
| a) Occupation Therapy. | 173 |
| b) Physiotherapy. | 1,741 |
| —Cardiopulmonary Resuscitation. | 205 |
| Invasive Studies : | |
| —His Bundle Electrocardiography. | 20 |
| —Transvenous Bedside Pacing. | 205 |
| —Permanent Pacemaker Implantations. | 13 |
| —Electrophysiological studies (Recognition in management of arrhythmias). | 100 |
| —Bedside Haemodynamic Studies. | 100 |

DEPARTMENT OF UROLOGY :

During the year 1987, the Department made qualitative and quantitative improvements in its work in the fields of Patient care, Medical Teaching (Undergraduate and Postgraduate) and Research. A total number of 6,529 new and old patients were attended to while 863 indoor patients were looked after in the indoor wards. The operative work included 2,177 operations including open operations (360), operative endoscopy (237) and Diagnostic endoscopy (1,580). Kidney transplantation was carried out on 23 patients and 9 patients were treated by microsurgical techniques. The department organized regular undergraduate teaching and 102 post—graduate teaching sessions were spread out over the year for post-graduate teaching. Teaching collaborations included Uro-Radiology, Uro-Nephrology and Uro-Pathology meetings.

The urology laboratory increased its work output during the current year. A total of 15,588 investigative procedures were carried out including urine culture (1,780), testicular biopsy (56), and semen examination (1,280) etc.

In the academic field, 3 urologists from U. S. A. visited the department and delivered scientific lectures. The members of the staff and resident and P. G. students of the department participated in National Conferences and presented 4 scientific papers. During the same period two scientific papers were published in Medical Journal.

The department has at present a number of clinical and experimental research projects in progress. Also, interesting work is continued in the fields of Percutaneous Renal Surgery, Microsurgery and Investigations and Surgery of Impotence and Male Infertility and Kidney Transplantation.

During the year 1987, the department enhanced its activities in the fields of patient care, medical education and research.

Patient Care : There was an overall increase to 6,527 outdoor attendance in the 3 O. P. D.s being operated by the department of Urology, namely, General Urology O. P. D., Urinary stone O. P. D. and the Male Infertility O. P. D. A total of 1,338 new patients were seen in these O. P. D.s whereas the number of old patients was 5,189. Similarly a total of 863 In-patients were admitted in different urological wards. In the field of operative work, 360 open operations were done out of which 50% consisted of major operative procedures. The breakup of 237 operative endoscopy was TURP (117), TURB (10), VIU (65) and other (45) cases. Diagnostic endoscopy was performed in 1,580 cases. A total of 2,177 operations were thus performed in 1987 which included 23 kidney transplantations and 9 cases of microsurgery of vas deferens.

UROLOGY LABORATORY : A total of 15,588 lab. investigations were carried out in the Urology Laboratory in 1987. These investigations included special investigations like semen examination (1260), testicular biopsy (56), urine culture (1,780). In addition routine investigations included Hemogram (435), urine examination (322), Renal Chemistry (8,100), serum Ca/P (1,630) etc.

ACADEMIC ACTIVITIES : The Department organized 3 guest lectures by prominent Urologists from abroad :-

- Dr. Raju Thomas, University Hospital, New Orleans, U. S. A. "Current Trends in Urology" on 4-3-1987.
- Dr. Gobind Laungani, Urologist, N. Y. "Rupture Urethra" and "Uro. radiology" on 14-8-1987.
- Dr. Ravi Jahangirdar, Urologist, Florida, U. S. A. "Current Progress in Urology" on 7-10-1987.

OUTPATIENT ATTENDANCE :

| | Male. | Female. | M/Ch. | F/Ch. | Total. |
|-----------------------|-------|---------|-------|-------|--------|
| Urology OPD. | 490 | 129 | 6 | 3 | 628 |
| Urinary Stone OPD. | 158 | 41 | 3 | 2 | 204 |
| Male Infertility OPD. | 506 | — | — | — | 506 |

OLD CASES :

| | |
|---------------------------|-------|
| Urology O. P. D. | 2,198 |
| Urinary Stone O. P. D. | 714 |
| Male Infertility O. P. D. | 2,277 |

5,189

Grand Total : 6,527

Urology Indoor Admission :

Male.

| | |
|----------------|-----|
| Ward —3. | 1 |
| Ward —6. | 371 |
| L. I. C. Ward. | 382 |

Total : 754

Female :

| | |
|----------------|----|
| Ward —3. | 1 |
| Ward —6. | 38 |
| L. I. C. Ward. | 70 |

Total : 109

Grand Total : 863

Operative Work—Urology Dept.**Open Operations :**

| | | | |
|--------|-----|---|-----|
| Major. | 176 | } | 360 |
| Minor. | 184 | | |

Endoscopic Operations :

| | | | |
|--------|-----|---|-----|
| TURP. | 117 | } | 237 |
| THRB. | 10 | | |
| VIU. | 65 | | |
| Other. | 45 | | |

Diagnostic Endoscopy :

1,580

Total 2,177**Kidney Transplants.**

23

Microsurgery of Vas Deferens.

9

UROLOGY LAB. WORK OUTPUT :

| | |
|--------------------|-------|
| Haemogram. | 435 |
| Urine routine. | 322 |
| Urine culture. | 1,780 |
| Semen analysis. | 1,260 |
| Testicular Biopsy. | 56 |

Total 3,853Parameters.Total Parameters.

| | | |
|-------------------|----------|------|
| Renal Chemistry. | 1350 X 6 | 8100 |
| Blood Sugar. | 1350 X 1 | 1350 |
| Uric acid. | 540 X 1 | 540 |
| Ca/P. | 810 X 2 | 1630 |
| Acid Phosphatase. | 55 X 1 | 55 |
| SGOT/SGPT. | 30 X 2 | 60 |

Total 11,735Grand Total 15,588**PLASTIC SURGERY DEPARTMENT.**

| | |
|---|-------|
| 1) Weekly out-patient clinic held every Thursday in the Afternoon. | 968 |
| 2) Follow up Clinic conducted by the Honorary Staff—Thrice a week. | 1,745 |
| 3) Patient referred from other department to this department. | 727 |
| 4) The feeding Guidance Clinic held every Sunday morning for cleft lip and palate patients. | 343 |
| 5) Keloid clinic for Kenacort Injections held every Thursday in the morning. | 263 |
| 6) Patients referred from Casualty Dept. | 2,120 |
| 7) Indoor patients admitted in Ward—16 and 16—A female. | 662 |
| 8) Patients treated in Burns Unit. | 178 |
| 9) Operative procedures carried out in Plastic Surgery Theatre. | 2,536 |
| 10) Emergency procedures carried out in M. O. T. | 340 |
| 11) Outdoor dressing carried out in the Department. | 4,275 |

DEPARTMENT OF RESPIRATORY MEDICINE & ENVIRONMENTAL POLLUTION RESEARCH CENTRE :**Principal Activities of the Deptt.**

A) This dept. runs outpatient clinic 3 times a week, run and indoor ward of 30 beds with respiratory intensive care unit of 5 beds. These beds deal with investigation and treatment of various lung diseases and complications including chronic bronchitis, bronchial asthma, bronchiectasis, acute lung infections, lung cancer, respiratory failure, respiratory paralysis, central respiratory weakness, post-traumatic respiratory problem, respiratory failure following poisoning, interstitial lung disease, pneumoconiosis, inhalational lung toxicity and T. B.

B) Pulmonary function and blood gas Laboratory : Various functions including volumes, mechanics of breathing, gas exchange, exercise, studies, flowrates are studied on patients, normal subjects, athletes and community research personnel. We also provide physiologic investigations on research topics and blood gas services on cases being treated around the municipal hospitals.

C) This dept. teaches undergraduate students in respiratory medicine and T. B. (divided as batches for 2 weeks) in a 3 yr. training period. In this there are clinical teachings, demonstrations and classroom lectures (6 per semester). The department does postgraduate teaching for M. D. (Resp. Dis.) students twice a week, clinical meeting once a week, radiology meeting twice a week and clinical teaching rounds.

D) **Titles of Research Projects :**

- 1) Physiologic changes in follow up of chronic bronchitis and bronchial asthma.
- 2) Study of histamine hypersensitivity in normals, chronic bronchitis and asthma.
- 3) Study of allergen markers in chronic bronchitis and bronchial asthma.
- 4) Study of diurnal variations in normals, chronic bronchitis and bronchial asthma.
- 5) Comparative study of value of amoxycillin and augmentin in respiratory infections.
- 6) Study of value of aztreonam in acute lower respiratory infections.
- 7) Collaborative study between Bombay and Edinburgh for clinical and physiologic characteristics in chronic bronchitis.
- 8) Study of post-operative changes in lung functions and complications after lung surgery.
- 9) Study of role of metronidazole in modifying drug sensitivity in pulmonary T. B.
- 10) Experience in intensive respiratory care and mortality.
- 11) Study of health morbidity and death data in relation to ambient and automobile pollution.
- 12) Effect of stone quarry work on residents and workers.

No. of New & Old O. P. D. cases during 1987 :

| | |
|------------|----------|
| New cases. | 2,800 |
| Old cases. | — 16,300 |

No. of admissions during the year. : 850.

No. of investigations carried out in the laboratories :

| Name of the Investigation. | No. |
|----------------------------|-------|
| Blood gas : Ward samples. | 9,250 |
| Artery Puncture study. | 305 |
| Catheter samples. | 3,900 |
| Pulmonary Function Test : | |
| Old & Indoor patients. | 1,425 |
| Research patients. | 85 |

No. of operations carried out in 1987. 50

DEPARTMENT OF NEUROLOGY

Principle Activities of the Department.

Undergraduates : 8 Lectures 3 times a year in Lecture series for final M.B.B.S. Students.

Postgraduates : Two Clinics per week.

One Neurophysiology session per week.

O. T. / P. T. students : 40 Lectures a year.

Neurology O. P. D. :

| | | |
|---------|-------|------|
| Male. | 1,130 | |
| Female. | 592 | 1958 |
| M/Ch. | 146 | |
| F/Ch. | 90 | |

Epilepsy O. P. D.

| | | |
|---------|-----|------|
| Male. | 677 | |
| Female. | 352 | 1410 |
| M/Ch. | 225 | |
| F/Ch. | 156 | |

Referral cases seen by Registrars — 900 approximately.

No. of Admissions during the year :

| | | |
|---------|-----|-----|
| Male. | 209 | |
| Female. | 94 | 370 |
| M/Ch. | 47 | |
| F/Ch. | 20 | |

No. of Investigations carried out in the Laboratories :

| | |
|----------------------|------------|
| a) No. of E. G. G.s. | 1,355 |
| b) No. of E. M. G.s. | |
| Abnormals : | |
| E. M. G./N. C. | 274 |
| S. S. E. P. | 10 |
| B. A. E. R. | 3 |
| | <hr/> |
| | 287 |
| | <hr/> |
| Normal : | |
| NCV. | 21 |
| | <hr/> |
| Total. | 308 |

DEPARTMENT OF NEUROSURGERY :

| | | |
|---------------------------------|-------|-------|
| Total No. of Out-Patients. | | 5,436 |
| a) New O.P.D. | 2,368 | |
| b) Old O.P.D. | 3,068 | |
| Total No. of In-patients. | | 836 |
| Total No. of Referral patients. | | 2,368 |
| Total No. of Investigations. | | 1,523 |
| Total No. of Operations. | | 860 |

OUT-PATIENT SERVICES AT DR. R. N. COOPER HOSPITAL.

During 1987 we saw 249 new patients at this outpatient department (296 in 1986). Of these 88 were transferred to our wards at K. E. M. Hospital. The general surgical units at the Dr. R. N. Cooper Hospital are providing excellent care to patients with head injury.

VISITORS :

Professor Dr. Ernst Grote, Director of Neurosurgery, Eberhard-Karls University, Tubingen Visited our department October 20—22 and delivered lectures, participated in ward rounds and discussed the use of laser, CUSA. He also delivered the Dr. A. V. Baliga Memorial Oration on Subarachnoid Hemorrhage—The Critical Initial phase on 21 October.

VISITS TO OTHER CENTRES :

- 1) Sr. Sunil K. Pandya.
 - a) Member, Selection Committee, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, 31 January.
 - b) Examiner, M.Ch. Neurosurgery, NIMHANS, University of Bangalore, 24—25 February.
 - c) Member, Expert Group on NMR, Office of Scientific Advisor to Prime Minister, New Delhi, 30th April, 4 June.
 - d) Member, Selection Committee for the post of Professor of Neurosurgery, All India Institute of Medical Sciences, New Delhi, 17 May.
 - e) Member, Board of Studies in Mental Health and Neurosciences, University of Bangalore, 22 May.
 - f) Examiner, M.Ch. Neurosurgery, NIMHANS, University of Bangalore 24, 25 August.
 - g) First National Workshop on Pediatric Trauma and Accidents (WHO), Postgraduate Institute for Medical Education and Research, Chandigarh. Papers presented : Head injuries in children, Spinal Injuries in Children, 6—7 September.
 - h) International Workshop on Laser in Neurosurgery. G. B. Pant Hospital, New Delhi. Paper presented : Laser. Is it a high priority in India ? 31 October 1st November.
 - i) Member Selection Committee, NIMHANS, Bangalore, 12 November.
 - j) 37 Annual Conference of the Neurological Society of India, Hyderabad. Papers presented :
 - i) Wilder Penfield.
 - ii) Neurosurgery and pregnancy.
 - iii) Hemihydranencephaly, 16—20 December.

2) Dr. Ranhit D. Nagpal.

27 Annual Conference, Neurological Society of India, Hyderabad. Paper presented : The transnasal, trans-sphenoidal approach for pituitary tumor excision.

3) Dr. Anil P. Karapurkar.

a) Visit to professor Luc Picard's department, Hospital St. Julien, Nancy, France and training in interventional neuroradiology. 13 October—11 December.

b) Magnetic Resonance Imaging Conference, Bordeaux, France. 1—3 October.

c) Cerebral AVM update 1987, Verona, Italy, 21—23 October.

d) Annual Meeting of the Neurosurgical and Neurological Societies of French Speaking Countries, Paris, France. Paper Presented : Aneurysms der siphon carotidien. Technique, indications et results du traitement endovasculaire, a propos de bo observations (Co-authors: Picard L. Moret J. Bracard set al) 7-10 December.

Other Lectures, Talks :

SUNIL K. PANDYA.

a) Some aspects of tuberculosis of the CNS. At Seminar on Infections of the CNS, Grant Medical College and Sri. J. J. Group of Hospitals, Bombay, 3 February.

b) Style. At Workshop on Better Medical Communication. Seth G. S. Medical College and K. E. M. Hospital, Bombay. 17—18 February.

c) i) Surgical advances in cerebrovascular disease—aneurysms & AVMS.

ii) Some aspects of tuberculosis of the CNS.

At update in neurology, Association of Physicians, Surat, Gujarat, 22 March.

d) Convulsions and coma in obstetrics—neurosurgical aspects. Bombay Obstetric and Gynaecological Society, No. Wadia Maternity Hospital, Parel, Bombay, 21 April.

e) Surgery of cerebrovascular accidents. Indian Medical Association, Thana, 13 September.

f) 'Whither neuroradiology?' Guest lecture at 12 Regional Conference, Maharashtra State Branch, Indian Radiological and Imaging Association. Bombay, 3 September.

g) i) Demonstration of Cloward's operation.

ii) Lecture on surgery for cervical disc disease.

Meeting of Association of Spine Surgeons of India.

LTMG Sion Hospital, Bombay, 15 September.

h) Scope and limitations of modern medicine. At Symposium in scope and limitations of various disciplines in medicine. Research Society, B. J. Medical College and Session Hospital, Pooaha, 10 October.

DEPARTMENT OF PAEDIATRICS :

| | | |
|---|-------|-----------|
| Indoor patients. | | 3,400 |
| Male. | 1,955 | |
| Female. | 1,445 | |
| Outdoor Patients. | | 9,885 |
| Newborns : Wd. Sick Newborn Unit : Admissions : | | 403 |
| 14—A ICU for Low Birth Weight babies : Admissions : | | 452 |
| Perinatal Mortality for KEM hospital deliveries for 1987—47/1000. | | |
| Total Live births. | 3,585 | |
| Still births. | 124 | |
| Speciality OPD attendance : | | |
| Unit I —Genetic Clinic. | 969 | |
| —High Risk Infant OPD : New cases. | | 598 |
| Old cases (follow-up). | | 1,457 |
| Unit—II —Pediatric chest clinic : New cases : | | 47 |
| Old cases. | | 320 |
| Total. | | 367 |
| — Pediatric Gastroenterology Clinic. | | 50 cases. |
| Unit—III—Rheumatology OPD. | 675 | |
| Nephrology OPD. | 167 | |
| Well Baby Clinics (all units) : New cases. | | 2,368 |
| Old cases. | | 7,638 |

URBAN HEALTH PROGRAMME :

Under this programme comprehensive care is provided, to infants and under six clinics conducted for treatment of minor ailments, developmental assessment, immunization, nutrition advice, education nutritional supplementation etc, at following centres :

- 1) Prabhadevi Child Welfare Centre : Unit —II.
- 2) Naigaum Child Welfare Centre. : Unit —III.

In addition to comprehensive health care, nutrition classes and milk distribution has been done regularly.

School Health Clinic :

Under this programme, children from Municipal Schools in 'F' and 'G' wards are transported to KEM Hospital for regular check up investigations and treatment.

POST—GRADUATE TEACHING PROGRAMME :

- 1) Clinics for postgraduates by Denior Staff Members.
- 2) Journal club.
- 3) Clinical Meeting (Interhospital) — once a week.
- 4) Pediatric Radiology Teaching Session—once a week, with Head, Pathology Department.
- 5) Postgraduate seminars —2 per year.

UNDER—GRADUATE TEACHING PROGRAMME :

The undergraduate teaching programme comprises 3 month clinical posting in the III M. B. S. S. year.

The term includes 50 lectures, about 60—70 bed side clinics, ward rounds, OPD attendance, emergency attendance with instructions on emergency pediatric management thorough clinics by Registrar and 10—12 sessions of self teaching by audiovisual aids. The entire syllabus of pediatrics as recommended by the Medical Council of India and the Indian Academy of Pediatrics is covered. The students' performance is evaluated in the last week of the term as follows :

Theory : 100 marks.

Practicals including clinical case and viva : 100 marks.

Paediatric Research Laboratory :

New techniques fully established :

- 1) Amniotic fluid cell culture.
- 2) Biochemical analysis of Lysosomal enzymes on amniotic cell culture.
- 3) Karyotype of fetus from amniotic cell culture.
- 4) Urine oligosacchride pattern.
- 5) Amniotic fluid 2—dimensional electrophoresis for prenatal diagnosis of mucopolysaccharidoses.

NEONATOLOGY :

| Unit. | Admission. | Death | Triple | | | Polio | | | | |
|-----------------------------------|------------|-------|--------|-----|-----|-------|-----|-----|-----|-----|
| | | | I | II | III | I | II | III | IV | V |
| Dr. N. B. Kumta. (Unit—I). | 1161 | 87 | 492 | 399 | 326 | 596 | 471 | 347 | 224 | 166 |
| Dr. M. D. Shah. (Unit—II). | 1055 | 95 | 407 | 361 | 293 | 598 | 306 | 330 | 264 | 205 |
| Dr. P. W. Kandoth. (Unit—III). | 1184 | 35 | 508 | 371 | 305 | 618 | 437 | 373 | 252 | 171 |

PRABHADEVI MATERNITY HOME (UNIT—II) :

| | I | II | III | IV | V |
|-----------------------|-------|-----|-------|-----|-----|
| Polio. | 418 | 918 | 813 | 638 | 595 |
| Triple. | 910 | 54 | 48 | | |
| Booster. PPT. | 418 | 229 | 166 | | |
| T. T. | 2,197 | 416 | 934 | | |
| Total No. of B. C. G. | | | 2,602 | | |

| | | |
|------------------------|--|-----|
| Clinic visits : | | |
| New. | | 194 |
| Old. | | 516 |

Establishment of ELISA test for the serodiagnosis of Streptococcal infections.

G. I.

| | | |
|------------------------|--|-------|
| Clinic visits : | | |
| New. | | 194 |
| Old. | | 516 |
| Home visits : | | |
| New. | | 425 |
| Old. | | 259 |
| Measles. | | 526 |
| Vit. Ist. | | 561 |
| A — RE. | | 1,190 |
| Sterilization. | | 347 |

NAIGAUM MATERNITY CENTRE (UNIT — III)

| | | | |
|--------------------------|-----|-----|-------|
| Polio | 647 | 459 | 338 |
| Booster. | 194 | 46 | |
| Triple. | 648 | 466 | 338 |
| Booster. | 194 | 46 | |
| Measles. | | | 150 |
| Total Clinic attendance. | | | 2,429 |
| Milk Distribution. | | | 1,235 |
| Home visits. | | | 2,353 |

Dr. N. B. Kumta (Unit-I)
Genetic O. P. D.

979
cases.
2,106

B. O. H.

Dr. M. D. Shah (Unit-II)

| | | |
|---------------------|--|-----|
| G. I. | | 50 |
| Paed. Chest Clinic. | | 367 |

Dr. P. V. Kandoth (Unit-III)

| | | |
|--------------------------|--|-------|
| Well Baby Clinic | | 3,722 |
| Rheumatic & Nephrology). | | 842 |
| (675 167) | | |

PAEDIATRIC RESEARCH LABORATORY

| | | |
|-----------------------------------|-----------|----|
| 1) Leucocyte separation, | ... | 89 |
| 2) Leucocyte Lysate preparation: | ... | 89 |
| 3) Protein by Lowry's method. | ... | 89 |
| 4) B—Hexosaminidase (total). | ... | 89 |
| | Leucocyte | 89 |
| | Villi. | 89 |
| | ... | 5 |
| 5) B — Hexosaminidase EPP: | ... | 89 |
| 6) B—Galactosidase (Leucocyte) | ... | 89 |
| (Villi) | ... | 5 |
| 7) B—Hexosaminidase % of A | ... | 89 |
| Leucocytes. | ... | 48 |
| Plasma. | ... | 89 |
| 8) Aryl Sulfatase A (Leucocytes). | ... | 89 |
| (Villi). | ... | 5 |
| 9) B—glucuronidase (Leucocyte). | ... | 10 |
| 10) B-glucosidase. | ... | 19 |
| 11) 2—B—galactosidase (Krabbe's) | ... | 15 |
| (Leucocyte under trial). | ... | 24 |
| 12) Sphingomyelinase. | ... | 12 |
| 13) —L—fucosidase. | ... | |

| | | |
|--|-----|-------|
| 14) —D—Manosidase. | ... | 12 |
| 15) —N—Aceryl glucosaminidase (Plasma). | ... | 24 |
| 16) RBC glycogen. | ... | 6 |
| 17) Oligosaccharides. | ... | 19 |
| 18) Mucopolysaccharides EPP. | ... | 102 |
| (spotting) | | |
| (Staining) | | |
| 19) Plasma and urine Amino acid chromatohthy : | | |
| 1) Aminocaidogram (Plasma, Urine). | ... | 1,960 |
| 2) Porphyrine (Blood, Urine). | ... | 940 |
| 3) Sugar chromatography. | ... | 925 |
| 4) T. L. C. | ... | 1,910 |
| M. R. Test : | | |
| 1) FeC13 tests. | ... | 1,960 |
| 2) Benedict's test. | ... | 1,960 |
| 3) Cynide-nitroprusside tests. | ... | 1,960 |
| 4) 1.2 Nitrosonaphtol tests. | ... | 1,960 |
| 5) Acid Blur Spot tests MRS/MPS. | ... | 940 |
| 6) Toludine Blue Spot Tests MES/MPS. | ... | 940 |
| 7) C. T. A. B. turbidity tests. | ... | 940 |
| 8) D. N. P. H. tests. | ... | 1,960 |
| 9) Ninhydrin tests. | ... | 1,960 |
| 10) P. Dimethyl Aminobenzaldehyde tests. | ... | 1,960 |
| 11) Conc. H2So4. | ... | 1,960 |
| 12) O. Toludine tests. | ... | 940 |
| M. P. S. : | | |
| 1. Albumin turbidity tests. | ... | 914 |
| 2. C. P. C. Turbidity tests. | ... | 914 |
| 3. EPP for differentiation. | ... | 102 |
| 4. Quant. estimation of MPS. | ... | 524 |
| 5. Alcian blue spot test. | ... | 940 |
| 6. Toludine spot test for MRS/MPS. | ... | 940 |
| 1. Ammonia. | ... | 141 |
| 2. Bilirubin Total & direct. | ... | 292 |
| Indirect. | ... | 396 |
| 3. Cholesterol. | ... | 186 |
| 4. Creatinine (serum & urine). Serum. | ... | 428 |
| Urine. | ... | 1,008 |
| 5. Copper. | ... | 79 |
| 6. Ceruloplasmin. | ... | 79 |
| 7. Sweat chloride. | ... | 8 |
| 8. Calcium (Serum, Urine)— | | |
| Serum. | ... | 720 |
| Urine. | ... | 50 |
| 9. Hair bulb test. | ... | 18 |
| 10. Phosphorus (Serum, Urine) | | |
| Serum. | ... | 615 |
| Urine. | ... | 47 |
| 11. Proteins & protein EPP — | | |
| Protein. | ... | 1,140 |
| Prot. EPP. | ... | 224 |
| 12. Uric acid. | ... | 121 |
| 13. Lactic acid. | ... | 55 |
| 14. Alkaline phosphatase. | ... | 1,097 |
| 15. Hb-EPP. | ... | 189 |
| 16. Hb-A2 | ... | 189 |
| 17. Fe TIBC. | ... | 196 |
| 18. G-6 PD. | ... | 82 |
| 19. Sickling. | ... | 62 |
| 20. Urine Albumin. | ... | 186 |
| 21. Creatine clearance. | ... | 42 |
| 22. SGOT, SGPT. | ... | 73 |
| 23. Blood sugar. | ... | 175 |
| 1. Chromosomal studies. | ... | 207 |
| 2. Barr body studies. | ... | 130 |
| 3. Y — chromatin studies. | ... | 24 |
| 4. Chorionic villus sampling. | ... | 14 |
| 5. Skin fibroblast culture. | ... | 4 |
| 6. Amniotic cell culture. | ... | 4 |

MOLECULAR BIOLOGY DEPARTMENT.**TEACHING :**

Under-graduate : All the teaching staff members are involved in the teaching programme of 2nd M. B. B. S. students, in the subject of Microbiology. They also take lecture for D. M. L. T. & O. T. P. T. students. This teaching includes lectures, tutorials and demonstrations during practicals for regular and casual batch students. Some of the staff members also take revision lectures for 2nd M. B. B. S. students.

Post-graduate teaching : Senior staff members render valuable guidance and assistance to the students working for their postgraduate degree work. All staff members and students take active part in the routine seminars arranged by the Microbiology Department. It includes presentation of seminars on newly advancing fields in Microbiology; and discussions regarding their utility and applicability in our hospital set up.

Research work done**a) Research Inquiries :**

- 1) Study of antibiotic combinations against highly antibiotic resistant hospital strains.
- 2) Incidence of Rota viruses.

b) Research work done by Post-graduate students :

- 1) Isolation of Mycobacterium tuberculosis from sputum, urine and other miscellaneous clinical specimens.
- 2) Fluorescent staining of clinical samples for detection of acid fast organisms.
- 3) Bacteriocin typing of strains of Klebsiella, proteus and group B-Streptococcal isolates.
- 4) Establishment of ELISA test for the serodiagnosis of Streptococcal infections.
- 5) Isolation and identification of Group D-streptococci from the clinical samples.
- 6) To detect presence of transferable drug resistance in Group D streptococcal and proteus isolates.

BACTERIOLOGICAL WORK DONE :

| | |
|--|-------------|
| Total No. of clinical samples processed during the year. | 967 |
| Number of antibiotic sensitivity tests performed. | 394 |
| Number of samples processed for isolating acid-fast bacilli. | 99 |
| Number of samples processed for isolating group D-streptococci. | 500 |
| Number of samples processed for isolating group B streptococci. | 280 |
| Drug combination studies carried out on various resistant strains. | 89 |
| Total | 2349 |

Work done in streptococcal laboratory :

| | |
|--|--------------|
| 1) Samples processed for ASO titre Estimations. | 1,081 |
| 2) Number of throat swabs processed for isolating B—haemolytic streptococci. | 944 |
| 3) Number of B-haemolytic streptococci isolated and grouped. | 217 |
| 4) Anti DNase B titres estimation done. | 27 |
| Total | 2,269 |

Grand Total : 2,349 + 2,269 = 4,618.

DEPARTMENT OF DERMATOLOGY & VENERELOGY :**No. of New & Old cases during the year.**

| | |
|------------|--------|
| New cases. | 43,095 |
| Old Cases. | 23,426 |

No. of admissions during the year.

| | |
|--------|-----|
| Male | 207 |
| Female | 87 |

Total 294

| | |
|---|--------------|
| No. of Investigations carried out in the Laboration. | |
| Urethral Smear (TS/PS/VS/CS) | 209 |
| Biopsy. | 435 |
| V. D. R. L. | 1,129 |
| Allergy Patch Tests. | 48 |
| No. of operations or procedures carried out in the year. | |
| Electro-cautery. | 408 |
| M. C. Removal. | 416 |
| Chemical cautery. | 302 |
| Cryosurgery. | 48 |
| S. T. D. Cases treated during the year 1987. | |
| Syphilis. | 227 |
| Gonorrhoea. | 178 |
| C. I. | 35 |
| L. G. V. | 26 |
| N. S. U. | 15 |
| Chancroid & others. | 689 |
| Total | 1,170 |

The patients undergoing mycological investigation during the year 1987 in the Skin Department were as follows :—

| | | |
|--|-----|-------|
| Total Scrapping done. | ... | 1,610 |
| Cultures done out of which. | ... | 626 |
| T. Corporis. | ... | 88 |
| T. Curis. | ... | 22 |
| T. Barbae. | ... | 8 |
| T. Capitis. | ... | 40 |
| T. Pedis. | ... | 23 |
| T. Axillaris. | ... | 7 |
| T. Manum. | ... | 25 |
| Onyogintciscus. | ... | 22 |
| Moniliasis. | ... | 185 |
| Mycetoma. | ... | 9 |
| Deep mycosis including CSF, Sputum, Pus, Fluids, Gastric lavage, Biopsies etc. for cultures. | ... | 197 |
| Ophthalmic Scrapings & Cultures. | ... | 65 |
| Bacteriological & Fungal studies in washing from sinucitis cases. | ... | 10 |

Stains, routine media and special media are prepared in the Laboratory.

Patients treated in Leprosy Unit during the year 1987.

| | | |
|---|-----|-------|
| a) New patients registered at KEM Hospital. | ... | 540 |
| b) Repeated patients. | ... | 1,623 |
| c) Referred from A. L. Hospital. | ... | 1 |
| d) Patients from Bombay residency. | ... | 1,506 |
| e) Patients from Non-Bombay residency. | ... | 117 |

Analysis of New & Old patients :

| New | Old | Total |
|-----|------|-------|
| 540 | 1506 | 2046 |

| Bacterial smears done : | Positive | Negative | Total |
|-------------------------|----------|----------|-------|
| | 105 | 556 | 661 |

| | |
|---------------------|-------|
| Total attendance. | 8,429 |
| Sweat functiontest. | 77 |

DEPARTMENT OF RADIOLOGY :

| Procedure. | General Radiology section No. 10 | Vascular Radiology section No. 53 | Radiology Section in O. C. |
|-------------------------------------|---|--|----------------------------------|
| Angiogram, four vessel. | 11 | — | — |
| Angioplasty. | — | 20 | — |
| Aortogram. | — | 293 | — |
| Arteriogram : | | | |
| cerebral | 416 | 22 | — |
| Peripheral. | — | 127 | — |
| Spinal. | 11 | 2 | — |
| Visceral. | — | 111 | — |
| Arthrogram | — | 12 | 11 |
| Bippsy, percutaneous. | — | — | — |
| fluoroscopic. | — | 31 | — |
| ultrasonographic. | — | — | — |
| Bronchogram. | — | 103 | — |
| Cholangiogram, transhepatic. | — | 18 | — |
| Cholangiogram, Tube. | 24 | — | — |
| Cholangiopancrestogram. | | | |
| endoscopic, retrograde. | 47 | — | — |
| Cholycystogram, oral | 106 | — | — |
| cinternogram, Myodil. | 3 | — | — |
| Cyctogram, renal. | — | 6 | — |
| Cystourethrogram, micturating. | 320 | — | — |
| Dilatation, urethre. | — | 4 | — |
| Drainage, abscess, percutaneous. | — | 3 | — |
| Drainage, biliary, transhepatic. | — | — | 18 |
| Embolisation, transarterial. | — | 31 | — |
| Embolisation, transhepatic, portal. | — | 3 | — |
| Enema, large bowel. | 365 | — | — |
| Enema small bowel. | 13 | — | — |
| Esophagogram, barium. | 472 | — | — |
| Gastrointestinal series, lower. | 893 | — | — |
| Gastrointestinal series, upper. | 1019 | — | — |
| Hysterosalpingogram | 147 | — | — |
| Lymphangiogram. | — | 34 | — |
| Membrantomy, venacava. | — | 3 | — |
| Myelogram. | 264 | — | 157 |
| Nephrostomy, percutaneous. | — | 22 | — |
| Plain radiographs. | 10954 | — | 28367 |
| Pneumoperitoneum. | — | 6 | — |
| Pyelogram, antegrade. | — | 8 | — |
| Pyelogram, retrograde. | 17 | — | — |
| Sialogram. | 36 | — | — |
| Splenoportogram. | — | 55 | — |
| Syringogram. | 1 | — | 1 |
| Tomogram. | 85 | — | — |
| Ultrasonogram. | — | 6378 | — |
| Urethrogram, retrograde. | 163 | — | — |
| Urogram, excretory. | 1408 | — | — |
| Venacavogram. | — | 18 | — |
| Venogram. | | | |
| Jugular. | 1 | — | — |
| Orbital. | 11 | — | — |
| peripheral. | — | 84 | — |
| visceral. | — | 5 | — |
| Ventriculogram. | 1 | — | — |
| Grand Total. | 1,08,788 | 7,415 | 28,536 |

DEPARTMENT OF PATHOLOGY :

The Department of Pathology contains of the following sub-sections.

- 1) Clinical Pathology and Cytology.
 - 2) Anatomical Pathology (Surgical and autopsy pathology, Renal Paediatric, Gastrointestinal, Liver Pathology).
 - 3) Neuropathology.
 - 4) Blood Bank.
 - 5) Immunopathology.
 - 6) Cardio-vascular — Lung Pathology.
- I) CLINICAL PATHOLOGY :**
Investigations. (Central Clinical Lab., OPD—4, O. C.).

| Types of analysis. | No. of samples. | No. of investigations. |
|-------------------------------------|-----------------|------------------------|
| 1. Haemotological. | 57,735 | 2,08,892 |
| 2. Urine analysis. | 37,349 | 1,12,750 |
| 3. Stool analysis. | 11,551 | 34,049 |
| 4. CSP and other fluids. | 3,346 | 6,692 |
| 5. Fine needle Aspiration cytology. | 1,258 | 1,258 |

| | | |
|--|--------|----------|
| ii) Clinical Biochemistry. Blood chemistry Fluids, Electrolyte, Gastric analysis, Prothrombine time, urine value etc. | 72,240 | 1,76,949 |
|--|--------|----------|

III) ANATOMICAL PATHOLOGY.

| | No. of Tissues. | No. of Blocks prepared. | No. of slides prepared. | No of slides slides stained special stained. |
|--|--------------------|----------------------------|----------------------------|--|
| Surgical Histo Pathology. | 9,170 | 18,578 | 18,578 | 2,161 |
| Autopsy Histo Pathology. | | | | |
| Total no. of autopsy performed — 1,593. | | 10,547 | 10,767 | 360 |

A — INVESTIGATIONS.

| | No. of samples. | No. of Tests. |
|-----------------------------------|-----------------|---------------|
| 1. Blood Urea Nitrogen. | 999 | 999 |
| 2. Creatinine. | 997 | 997 |
| 3. Total Proteins. | 701 | 701 |
| 4. Albumin. | 701 | 701 |
| 5. Bilirubin. | 698 | 698 |
| 6. SGOT. | 715 | 715 |
| 7. SGPT. | 715 | 715 |
| 8. Calcium. | 192 | 192 |
| 9. Phosphorus. | 190 | 190 |
| 10. Alkaline phosphatase | 232 | 232 |
| 11. Creatinine Phosphokinase. | 252 | 252 |
| 12. Lactate Dehydrogenase. | 77 | 77 |
| 13. Cholesterol. | 103 | 103 |
| 14. Triglycerides. | 100 | 100 |
| 15. Lipoproteins. | 87 | 261 |
| 16. Urinary albumin. | 6 | 6 |
| 17. Urinary porphyrinogen. | 21 | 21 |
| 18. Urinary Myoglobins. | 3 | 3 |
| 19. Urinary Bence Jones proteins. | 24 | 24 |
| 20. Prothrombin time. | 16 | 16 |
| 21. Haemograms. | 936 | 3764 |
| 22. CSF routine. | 581 | 2324 |
| 23. Amylase. | 6 | 6 |
| 24. Uric acid. | 4 | 4 |
| 25. Acid Phosphatase. | 20 | 20 |
| 26. Serum protein EPP. | 30 | 30 |

B) HISTOLOGY :

| | Total no. of cases. | Blocks prepared. | Slides prepared: | Unstrained slides. |
|---|---------------------|------------------|------------------------|--------------------|
| Surgical biopsies. | 409 | 589 | 589 + Sp. stains | 1,900 |
| No. of urgent smears. | 25 | — | 100 | — |
| External biopsy. | 8 | 9 | 9 + Sp. stains. | 30 |
| Brain specimen from autopsy. | 237 | 1,800 | 1,800 + Sp. stains. | 200 |
| No. of autopsy blocks recd. from P. M. 10 Histology | 10 | 50 | 50 | — |

BOMBAY MUNICIPAL BLOOD BANK :

| | | |
|--|-------|---------------|
| 1. No of Grouping and X-matching. | ... | 21,665 |
| 2. No. of blood Bottles Collected. | ... | 18,965 |
| 3. No. of Blood Fractions supplied : | | |
| Cryoprecipitate : 800 | | |
| F. F. Plasma. : 256 | | |
| 4. No. of HbsAg testing. | ... | 10,559 |
| 5. No. of out-door voluntary drives. | ... | 106 |
| Blood Procurement Details : | | |
| Collection from Relative Donors. (2,137) and other hospital. | ... | 7,236 |
| Collection from Voluntary Donors | | |
| i) Colleges. | 1,542 | |
| (ii) Industries. | 3,908 | |
| iii) Club and Social Groups : | 2,655 | |
| Indoor Voluntary Donors. | ... | 330 |
| Brought from other Hospitals. | ... | 2,978 |
| | | 18,965 |
| Blood supplies : | | |
| 1. To. K. E. M. Hospital. | ... | 16,133 |
| 2. Other Hospitals :— | | 1,792 |
| Mun. Hospitals. | 767 | |
| Public Hospitals. | 713 | |
| Other Hospitals. | 312 | |
| 3. Haffkins Institutes. | ... | 53 |
| 4. Discarded. | ... | 791 |
| | | 18,769 |

| Unit. | Consumption. | Replacement. |
|----------------|--------------|--------------|
| Gen. Surgery. | 4,532 | 1,671 |
| Cardiac. | 2,892 | 2,614 |
| SRK/PAK. | 388 | 220 |
| Ortho. | 1,945 | 1,247 |
| Paed. Surgery. | 820 | 314 |
| Medical. | 1,163 | 234 |
| Urology. | 236 | 245 |
| KSG. | 425 | 230 |
| Gynaec. | 676 | 650 |
| Neuro. | 620 | 637 |
| VNA. | 885 | 547 |
| BCM. | 219 | 117 |
| SGD. | 105 | 76 |
| Allied. | 1,342 | 571 |

Gastro-intestinal & Liver Biopsy.

| | | | |
|-----------------|-----|----------------|-------|
| Liver Biopsied. | 200 | G. I. Tissues. | 1,021 |
|-----------------|-----|----------------|-------|

No. of Post-mortem (excluding pediatric cases) ... 150

Academic/service activities :

1. Every Monday — 3.30 p.m. to 4.30 p. m. — Clinical pathological discussion on histopathology slides.

2. On every Thursday 1.30 p. m. — 3.00 p.m. — G. I. Journal club.

3. Research project — work on cases of NSAD.

In collaboration with Gastro-enterology group Efficacy of Misopretol in upper gastrointestinal lesions in arthretic patients on Non-steroidal anti-inflammatory drugs — An Indian Express.

Publications :

1. Dr. I. M. Vora, Dr. A. S. Joshi, Dr. F. P. Candes : Pathological diagnosis — colitis, cystica profunda, J. Applied Medicine, July, 1987.

2. Dr. I. M. Vora, Dr. A. S. Joshi — Pathological diagnosis — submucosal hemangioma of small intestine. J. Applied Medicine, August 1987.

DEPARTMENT OF PAEDIATRIC SURGERY :

| | | |
|---|-----|-------|
| No. of New and Old OPD cases during the year. | ... | 5,774 |
|---|-----|-------|

| | | |
|------------------------------------|-----|-------|
| No. of Admissions during the year. | ... | 2,520 |
|------------------------------------|-----|-------|

| | | |
|--|-----|-------|
| No. of Operations or procedures carried out. | ... | 2,245 |
|--|-----|-------|

DEPARTMENT OF PHARMACOLOGY :

Teaching and training Programme : The Department offers training programme for M. B. B. S. and B. Sc. (O. T.) and (P. T.) students at under graduate levels. Department also offers training programme for M. D. (Pharma), PhD. (Pharma) and M. Sc. in (Applied Biology and Biochemistry). Facility for training in Clinical Pharmacology is available at the Department. Department conducted 2 weeks training course sponsored by I. C. M. R.

| | | |
|----|---------------------------|----|
| 1. | M. D. (Pharmacology) | 1 |
| 2. | M. Sc. (Applied Biology). | 16 |
| 3. | M. Sc. (Biochemistry). | 4 |
| 4. | PhD. (Pharmacology) | 1 |

Seminars on topics of interest to postgraduate students (M. D. and PhD.) were organised during both the terms, and Journal review meeting were held once a week. Journal Club meeting and Seminars were also arranged for M. Sc. (Applied Biology) and M. Sc. (Biochemistry) students.

Training Course in Clinical Pharmacology :

The eighth Training Course on Clinical Pharmacology of 2 weeks duration was conducted by the Department from 23rd November 1987 to 5th December 1987. From 24 applicants all over India 10 candidates were selected and 8 reported for training. In addition to demonstration, group discussion and visits to other institutions participants were assigned individual projects.

Results of Undergraduate and Post-graduate Examination :

A total of 179 students appeared for IInd M. B. B. S. examination in Pharmacology in April 1987 and 159 students passed in the subject of Pharmacology of these 18 students obtained distinction in the subject. At the IInd M. B. B. S. examination held in October 1987. 51 students appeared for examination and 37 students passed and 2 students obtained distinction.

DEPARTMENT OF MICROBIOLOGY :**Workload of Bacteriology :**

| | | | |
|-----|--|-----|--------|
| 1. | Urine samples. | ... | 6,625 |
| 2. | Colony Count. | ... | 4,108 |
| 3. | Pus samples. | ... | 8,400 |
| 4. | No. of Sputum. | ... | 1,202 |
| 5. | Blood culture. | ... | 2,320 |
| 6. | Sub. culture. | ... | 5,800 |
| 7. | C. S. F. | ... | 3,402 |
| 8. | Stool. | ... | 1,160 |
| 9. | AFB samples. | ... | 4,150 |
| 10. | Post Mortem. | ... | 120 |
| 11. | I. V. Solutions. | ... | 2,630 |
| 12. | Theatre Swabs. | ... | 3,300 |
| 13. | No. of antibiotic sensitivity testing. | ... | 17,292 |

| | | |
|-----------------------|-----|--------|
| Total no. of samples. | ... | 52,601 |
|-----------------------|-----|--------|

Workload of Anaerobic Routine samples — 1987 :

| | | |
|----------------------|-----|------------|
| R/O Gangrene-swabs. | ... | 132 |
| Pus. | ... | 85 |
| Blood culture. | ... | 34 |
| Sputum. | ... | 29 |
| Preual fluid. | ... | 28 |
| Peritoneal fluids. | ... | 21 |
| Wound swabs. | ... | 24 |
| C S F. | ... | 17 |
| Vaginal swabs. | ... | 13 |
| Tracheal swabs. | ... | 12 |
| Stool. | ... | 9 |
| Bronchial aspirates. | ... | 5 |
| ASCITIC FLUID. | ... | 1 |
| Total | | 410 |

Post Operative surgical samples (Aerobic and Anaerobic culture) :

| | | |
|-------------------|-----|------------|
| Drain fluids. | ... | 36 |
| Drain tips. | ... | 31 |
| CVP tip. | ... | 19 |
| Catheter tip. | ... | 1 |
| Floey's tip. | ... | 43 |
| Wound swabs. | ... | 25 |
| Pus. | ... | 67 |
| Urine. | ... | 4 |
| Wound GG. | ... | 4 |
| Peritoneal fluid. | ... | 31 |
| Bile. | ... | 20 |
| Nephrotomy. | ... | 1 |
| Blood culture. | ... | 1 |
| Total | | 273 |

Respiratory Medicine Department samples :

| | | |
|---------------------------------|-----|--------------|
| Sputum. | ... | 981 |
| Tracheal Endotracheal Asparate. | ... | 128 |
| Pleural fluid. | ... | 121 |
| Bronchoscopic secretion. | ... | 55 |
| Drain fluids. | ... | 19 |
| ICD tips. | ... | 12 |
| Floey's tops. | ... | 11 |
| Cathter tips. | ... | 7 |
| CVP tips. | ... | 9 |
| CSF. | ... | 3 |
| BAL. | ... | 9 |
| Pus. | ... | 19 |
| Ascitic fluid. | ... | 1 |
| Total | | 1,375 |

OBGY SAMPLES :

| | | |
|---|-----|-----|
| IUCD cases. | ... | 500 |
| Semen (from Dr. I. Hinduja IVF-ET cases). | ... | 126 |

GASTROENTEROLOGY DEPARTMENT :

| | | |
|----------------------------|-----|------------|
| Lactobacilli study group. | ... | 120 |
| Enzymology. | ... | 60 |
| Jejunal aspirate. | ... | 11 |
| Routine Diarrhoea samples. | ... | 100 |
| Total | | 917 |

Serology/Immunology :

| | | |
|---|-----|--------|
| Widal Test. | ... | 1,042 |
| Vi antibody Test. | ... | 200 |
| Salmonella Counterimmuno Electrophoresis. | ... | 112 |
| R. A. Test. | ... | 1,766 |
| Paul Bunnell test. | ... | 59 |
| V. D. R. L. Test (serum). | ... | 13,516 |
| V. D. R. L. Test (C. S. F.) | ... | 258 |
| Brucella Agglutination Test. | ... | 5 |
| Casoni's Test of Hydatid. | ... | 31 |
| T. Cell. | ... | 140 |
| Complement levels. | ... | 280 |
| Immunoglobulin | ... | 780 |
| Urine CMV. | ... | 100 |
| T. P. H. A. Test. | ... | 675 |
| Candida Test. | ... | 10 |
| Aspergillosis. | ... | 30 |
| Au. Antigen. | ... | 87 |

Total ... 19,122

MYCOLOGY SECTION :

| | | |
|---|-----|-------|
| Total Scraping done. | ... | 1,610 |
| Cultures done out which | ... | 626 |
| T. Corporis. | ... | 88 |
| T. Cruris. | ... | 22 |
| T. Barbac. | ... | 8 |
| T. Capitis. | ... | 40 |
| T. Pedis. | ... | 23 |
| T. Axillaris. | ... | 7 |
| T. Manum. | ... | 25 |
| Onychomycosis. | ... | 22 |
| Moniliasis. | ... | 185 |
| Mycetoma. | ... | 9 |
| Deep mycosis including CSF, Sputum, Pus, Fluids, gasticlavage, | ... | |
| Biopsies etc. for culture. | ... | 197 |
| Ophthalmic scrappings and cultures. | ... | 65 |
| Bacteriological and Fungal studies in washing from sinycities cases. | ... | 10 |
| Stains, routine media and special media are prepared in the laboratory. | ... | |

... 2,937

DEPARTMENT OF PHYSIOLOGY :**Academic Activities :****A) Undergraduate Medical students :**

i) During the year 1987-88, 200 students were admitted in July 1987 for the 1st MBBS course. Regular lectures and practicals were started from 20th July 1987. continuous assessment of students was done during both the academic terms of the year by conducting Card tests, two terminal examinations, questions writing etc. According to the performance of these students in these test special attention was given to academically backward students. Seperate viva was arranged for them.

As far as possible, teaching in the subject of Physiology was integrated with that of Anatomy and Biochemistry.

ii) Since the students were admitted late Dr. (Mrs.) Bharadwaj took about ten extra lectures during Deevali Vacation for newly admitted First MBBS students.

iii) 1st MBBS examination result :— 212 students appeared for 1st MBBS University Examination held in October 1987, 175 students passed the examination. Physiology result was 82.54%.

22 students secured distinction in the subject Physiology in October 1987 examination. Shri Sumeet Bhatia secured T. H. Rindani Scholarship in Physiology for the year 1987. Miss Sucheta Joshi and Jyoti Bhatia stood first in the subject of Physiology amongst the successful female candidate of 1st MBBS in the University of Bombay. They were awarded the Lady Reay Medical Scholarship for 1987.

1st MBBS Casual (Ex-repeater) students Result :

43 Repeaters appeared.

17 Repeaters passed.

26 Repeaters failed.

Result 39%.

B) Undergraduate Non Medical students.

i) 80 students were admitted to F. Y. Bsc. Occupational Therapy and Physical Therapy in September 1987.

Regular lectures and practicals for these students were started from 7th September 1987. These students were trained properly and were assessed continuously by several tests.

O. T. P. T. Results : In April — 1987.

40 O. T. students appeared for F. Y. B. Sc. O. T. Exam.

29 O. T. students passed.

11 O. T. students failed.

% result 72.3%

35 P. T. students appeared for F. Y. B. Sc. P. T. Exam.

29 P. T. students passed.

06 P. T. students failed.

% result 82.85%

O. T. P. T. casual students Result (Ex-repeaters).

7 O. T. student appeared.

3 O. T. Student passed.

4 O. T. Student failed.

% result 42.85%

7 P. T. Student appeared.

3 P. T. Student passed.

4 P. T. Student failed.

% result 42.85%

DEPARTMENT OF ANATOMY :**Under-graduate Teaching :**

200 Medical Students — Senior.

200 Medical Students. — Junior.

40 Physiotherapy students.

40 Occupational therapy students.

100 Nursing students.

15 Bhagubai Polytechnical students of Bio Medical Engineering.

The students at all these levels are taught the essentials of Anatomy *i.e.*, macroscopic and microscopic structure of the human body as required by their specific curricula by didactic lectures, demonstrations, dissection, practicals, tutorials, seminars with the help of appropriate audiovisual aids.

Periodically the students are assessed by written, practical and oral examinations.

Post-graduate Teaching : Group discussion, joint dissection, interaction with specialists from the other departments are help to train in Anatomy the various post-graduate students so as to fit them each for their own speciality. Particular attention is also paid in our teaching methodology and evaluation to enable postgraduate students to acquire skill and other faculties to be teachers in their own right.

NURSES :

Nursing Establishment is having 1029 Scheduled and 127 Non-Scheduled post of which 123 posts are vacant. Approximate expenses per Nurse per month is Rs. 1,424.

Total No. of Gen. Nursing Students.

351

Total No. of Midwifery Students.

38

Total

389

Total No. of students in December 1987 is 389 as against sanction 440 students.

In the year Nurses were sent for different Examination and their performance of Examination was satisfactory.

| Examination. | Period. | Appeared. | Passed. | Percentage. |
|-------------------------|----------|-----------|---------|-------------|
| Gen. Nursing Part — I. | Jan. 87 | 26 | 24 | 92.3% |
| Gen. Nursing Part — I. | July 87 | 119 | 97 | 81.5% |
| Gen. Nursing Part — II. | June 87 | 73 | 55 | 75.0% |
| Gen. Nursing Part — II. | Dec. 87 | 21 | 19 | 90.5% |
| Midwifery. | Jan. 87 | 68 | 52 | 76.3% |
| Midwifery. | July 87. | 30 | 30 | 100% |

NURSES WELFARE SOCIETY :

The corpus of the fund is Rs. 97,000/- out of it and Rs. 71,000/- is kept in fixed deposit in the Bank, interest on the amount is utilised for providing activities to the nurses such as variety entertainment programme, prize distribution, sports, picnics, send off functions for retired members, academic prizes according to the wishes of the honours, and also giving loans to the nurses during their difficulties.

The batches of Paediatric Short Term course each of 3 months duration started from September 1981 onwards and still continued. Sr. Tutor S. D. Kulkarni, and Sr. Tutor J. S. Desai are sent for M. Sc. in Nursing on deputation and Sr. Tutor Tambulwadkar went on study leave for the same course. Staff nurses Smt. Prasanna P. M., Shobha Chavan, M. B. Godse, S. Chikorde are sent for B. Sc. Nursing on study leave.

Orthopaedic Nursing Course for Male Candidates equivalent to Midwifery course for female candidates started from August 1987 for Male Students.

POOR CHARITY FUND :

A sum of Rs. 50,30,479.85/- was received by way of donation contribution from patients, part cost of spectacles and sale at gift shop etc. In addition to cash donations, donations in kinds were also received. An amount of Rs. 32,95,918.50 was spent out of the Poor Box Charity Fund in the year as against Rs. 32,53,500.16/- during the previous year. The amount was spent on costly drugs, blood Transfusion, Surgical appliance, travelling expenses, spectacles etc. for poor and deserving patients of the hospital.

DEAN**K. E. M. HOSPITAL & SETH G. S. MEDICAL COLLEGE,
PAREL, BOMBAY — 400 012.**

APPENDIX-I:

Speciality wise and Unit wise distribution of Beds.

| Department. | Head of the Units. | Male. | Female. | Children. | Unclassified. | Total. | |
|------------------|---------------------------|-------------------|---------|-----------|---------------|--------|----|
| Medical. | Dr. G. H. Tilve. | 20 | 11 | — | — | 31 | |
| | Dr. (Smt.) K. P. Chawla. | 20 | 12 | — | — | 32 | |
| | Dr. Philip Abraham. | 20 | 10 | — | — | 30 | |
| | Dr. S. G. Dalve. | 20 | 11 | — | — | 31 | |
| | Dr. C. P. Dalvi. | 20 | 11 | — | — | 31 | |
| | Dr. P. D. Anjaria. | 20 | 11 | — | — | 31 | |
| Tetanus. | Dr. Philip Abraham. | 12 | 7 | 5 | — | 24 | |
| Haematology. | Dr. B. C. Mehta. | 10 | 2 | — | — | 12 | |
| | Dr. (Smt.) V. N. Acharya. | 12 | 4 | 2 | — | 18 | |
| A. K. D. | Dr. S. D. Bhandarkar. | 10 | 6 | 3 | — | 19 | |
| Div. Of End. | Dr. A. B. Samsi. | 24 | 6 | — | — | 30 | |
| Gen. Surgery. | Dr. R. D. Bapat. | 24 | 6 | — | — | 30 | |
| | Dr. C. V. Patel. | 24 | 6 | — | — | 30 | |
| | Dr. S. D. Deodhar. | 24 | 6 | — | — | 30 | |
| | Dr. S. G. Shenoy. | 24 | 6 | — | — | 30 | |
| | Dr. S. K. Mathur. | 24 | 6 | — | — | 30 | |
| G. I. C. (Surg.) | Dr. S. K. Mathur. | — | — | — | — | — | |
| | Dr. R. D. Bapat. | 8 | 2 | 2 | — | 12 | |
| | Dr. Philip Abraham. | — | — | — | — | — | |
| G. I. C. (Med.) | Dr. Philip Abraham. | 13 | 5 | — | — | 18 | |
| | Ophthalmic. | Dr. Y. K. Dastur. | 18 | 9 | 3 | — | 30 |
| | Dr. S. D. Adrianwala. | 18 | 9 | 3 | — | 30 | |
| Gynaec. | Dr. M. Y. Rawal. | — | 10 | — | — | 10 | |
| | Dr. M. S. Bhattacharya. | — | 10 | — | — | 10 | |
| | Dr. S. S. Sheth. | — | 10 | — | — | 10 | |
| | Dr. A. M. Virkud. | — | 10 | — | — | 10 | |
| | Dr. U. R. Krishnan. | — | 10 | — | — | 10 | |
| | Dr. I. N. Hinduja. | — | 10 | — | — | 10 | |
| Obstretic. | Dr. M. Y. Rawal. | — | 29 | — | — | 29 | |
| | Dr. M. S. Bhattacharya. | — | 29 | — | — | 29 | |
| | Dr. S. S. Sheth. | — | 28 | — | — | 28 | |
| | Dr. A. M. Virkud. | — | 29 | — | — | 29 | |
| | Dr. U. R. Krishnan. | — | 29 | — | — | 29 | |
| | Dr. I. N. Hinduja. | — | 28 | — | — | 28 | |
| Skin & Veneral. | Dr. R. J. Fernandes. | 16 | 10 | 6 | — | 32 | |
| | Isolation. | 1 | 1 | — | — | 2 | |
| Orthopaedic. | Dr. L. N. Vora. | 20 | 10 | 10 | — | 40 | |
| | Dr. A. V. Bavdekar. | 20 | 10 | 10 | — | 40 | |
| | Dr. R. S. Dhir. | 20 | 10 | 10 | — | 40 | |
| | Dr. S. K. Bhandare. | 20 | 10 | 10 | — | 40 | |
| | Dr. M. N. Shahane. | 20 | 10 | 10 | — | 40 | |
| | Dr. C. G. Pradhan. | 20 | 10 | 10 | — | 40 | |
| Aural. | Dr. K. L. Shah. | 8 | 6 | 10 | 6 | 30 | |
| | Dr. M. V. Ingale. | 8 | 7 | 9 | 6 | 30 | |
| Psychiatric. | Dr. L. P. Shah. | 18 | 8 | 4 | — | 30 | |
| | Dr. D. R. Doongaji. | 18 | 8 | 4 | — | 30 | |
| Neuro-Surg. | Dr. S. K. Pandya. | 18 | 10 | 8 | — | 36 | |
| Neurology. | Dr. P. U. Shah. | 22 | 6 | 4 | — | 32 | |
| | Paed. Med. | Dr. M. D. Shah. | — | — | 30 | 2 | 32 |
| | Dr. N. B. Kumta. | — | — | 30 | 2 | 32 | |
| | Dr. P. W. Kandoth. | — | — | 30 | 2 | 32 | |

| 1 | 2 | 3 | 4 | 5 | | |
|-------------------------------|-----------------------|-----|-----|-----|----|-------|
| Paed. Surg. | Dr. S. S. Deshmukh. | — | — | 40 | — | 40 |
| Plastic Surg. and B Burns. | Dr. K. S. Goleria. | 16 | 14 | 10 | 12 | 52 |
| Thoracic Surg. | Dr. G. B. Parulkar. | 18 | 11 | 3 | — | 32 |
| | Dr. R. A. Magotra. | 18 | 11 | 3 | — | 32 |
| Cardiology. | Dr. P. A. Kale. | 16 | 5 | 4 | — | 25 |
| | Dr. A. S. Vengsarkar. | 16 | 5 | 4 | — | 25 |
| Chest Clinic. | Dr. S. R. Kamat. | 15 | 12 | 3 | — | 30 |
| Urology. | Dr. D. S. Pardanani. | 16 | 9 | 5 | — | 30 |
| Drug Trial. | C I B A. | — | — | — | 10 | 10 |
| | C I P L A. | — | — | — | 10 | 10 |
| | U N T C H E M. | — | — | — | 10 | 10 |
| | | 709 | 561 | 285 | 60 | 1,615 |

APPENDIX-I-A :

Statement showing the distribution of beds according to Wards, Services & Heads.

| Ward No. | Service | Name of the Head of the Service. | Unitwise allocation of beds. | Total Scheduled strength of Ward. |
|----------|--------------------------------|-----------------------------------|------------------------------|-----------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| I | Paediatric. | Dr. M. D. Shah. | 30 | 60 |
| | Medical. | Dr. N. B. Kumta. | 30 | |
| II | Paediatric Med. | Dr. P. W. Kandoth. | 30 | 60 |
| | Paediatric Surg. | Dr. S. S. Deshmukh. | 15 | |
| | Psychiatric. | Dr. D. R. Doongaji. | 4 | |
| | Psychiatric. | Dr. L. P. Shah. | 4 | |
| | Neurology. | Dr. P. U. Shah. | 4 | |
| | Div. of End & Met. Disorder. | Dr. S. D. Bhandarkar. | 3 | |
| III | Gastroenterology. | Dr. S. K. Mathur. | 2 | 49 |
| | Aural. | Dr. K. L. Shah. | 10 | |
| | Aural. | Dr. M. V. Ingale/Dr. S. B. Ogale. | 9 | |
| | Paed. Surgical. | Dr. S. S. Deshmukh. | 25 | |
| | Urology. | Dr. D. S. Pardanani. | 3 | |
| IV | Medical. | Dr. (Smt.) K. P. Chawla. | 12 | 50 |
| | Medical. | Dr. G. H. Tilve. | 11 | |
| | Medical. | Dr. P. D. Anjaria. | 11 | |
| | Div. of End. & Met. Disorders. | Dr. S. D. Bhandarkar. | 6 | |
| | Psychiatric. | Dr. L. P. Shah. | 8 | |
| | Gastroenterities. | Dr. Philip Abraham. | 2 | |
| IV-A | Medical. | Dr. Philip Abraham. | 10 | 50 |
| | Medical. | Dr. S. G. Dalvi. | 11 | |
| | Medical. | Dr. C. P. Dalvi. | 11 | |
| | Psychiatric. | Dr. D. R. Doongaji. | 8 | |
| | Neurology. | Dr. P. U. Shah. | 6 | |
| | Haematology. | Dr. B. C. Mehta. | 2 | |
| | G. I. C. | Dr. Philip Abraham. | 2 | |
| V. | Surgical. | Dr. R. D. Bapat. | 22 | 48 |
| | Surgical. | Dr. C. V. Patel. | 22 | |
| | G. I. C. | Dr. R. D. Bapat/Dr. S. K. Mathur. | 4 | |

| 1. | 2. | 3. | 4. | 5. |
|------------------|----------------------------------|---------------------------------------|----|-----|
| VI. | Surgical. | Dr. A. B. Samsi. | 20 | |
| | Surgical. | Dr. S. G. Shenoy. | 20 | 48 |
| | Urology. | Dr. D. S. Pardanani. | 8 | |
| VII. | Surgical. | Dr. S. K. Mathur. | 19 | |
| | Surgical. | Dr. S. D. Deodhar. | 19 | 54 |
| | Aural. | Dr. K. L. Shah. | 8 | |
| | Aural. | Dr. M. V. Ingale/ Dr. S. B. Ogale. | 8 | |
| VIII. | Surgical. | Dr. S. K. Mathur. | 6 | |
| | Surgical. | Dr. A. B. Samsi | 6 | |
| | Surgical. | Dr. R. D. Bapat. | 6 | 54 |
| | Surgical. | Dr. C. V. Patel. | 6 | |
| | Surgical. | Dr. S. G. Shenoy. | 6 | |
| | Surgical. | Dr. S. D. Deodhar. | 6 | |
| | Aural. | Dr. K. L. Shah. | 6 | |
| | Aural. | Dr. M. V. Ingale/ Dr. S. B. Ogale. | 7 | |
| | Urology. | Dr. D. S. Pardanani. | 5 | |
| IX. | Medical. | Dr. S. G. Dalvi. | 20 | |
| | Medical. | Dr. P. D. Anjaria. | 20 | 50 |
| | Haematology. | Dr. B. C. Mehta. | 10 | |
| X. | Psychiatric. | Dr. L. P. Shah. | 7 | |
| | Psychiatric. | Dr. D. R. Doongaji. | 7 | 54 |
| | Neuro-surgery. | Dr. S. K. Pandya. | 18 | |
| | Neurology. | Dr. P. U. Shah. | 22 | |
| XI. | Medical. | Dr. Philip Abraham. | 20 | |
| | Medical. | Dr. C. P. Dalvi. | 20 | 50 |
| | Div. of End. & Met. Disorder. | Dr. S. B. Bhandarkar. | 10 | |
| XII. | Medical. | Dr. K. P. Chawla. | 20 | |
| | Medical. | Dr. C. P. Dalvi. | 20 | 50 |
| | G. I. C. | Dr. Philip Abraham. | 10 | |
| XIII/ XIII-A. | Ophthalmic. | Dr. Y. K. Dastur. | 30 | |
| | Ophthalmic. | Dr. S. D. Adrianwala. | 30 | 60 |
| XIV. | Obstetric. | Dr. M. Y. Rawal. | 29 | |
| XIV-A. | " | Dr. M. S. Bhattacharya. | 29 | |
| L.W.D. | " | Dr. S. S. Sheth. | 28 | 178 |
| W. Wd. | " | Dr. A. M. Virkud. | 29 | |
| P.O.W. | " | Dr. U. R. Krishnan. | 29 | |
| P.P.S. | " | Dr. I. N. Hinduja. | 28 | |
| | Prematurity : | Dr. M. D. Shah. | 2 | |
| | " | Dr. N. B. Kumta. | 2 | |
| | " | Dr. P. W. Kandoth. | 2 | |
| XV. | Gynaec. | Dr. M. Y. Rawal. | 10 | |
| | " | Dr. M. S. Bhattacharya. | 10 | |
| | " | Dr. S. S. Seth. | 10 | 60 |
| | " | Dr. A. M. Virkud. | 10 | |
| | " | Dr. U. R. Krishnan. | 10 | |
| | " | Dr. I. N. Hinduja. | 10 | |
| XVI/XVI-A. | Plastic Surg. & Burns. | Dr. K. S. Goleria. | 52 | 52 |
| XVII. | Isolation, | Dr. R. J. Fernandes. | 2 | 38 |
| XVIII. | Skin & Veneral. | | 32 | |
| | G. I. C. | Dr. Philip Abraham. | 4 | |
| XIX. | Psychiatric. | Dr. L. P. Shah. | 11 | 22 |
| | Psychiatric. | Dr. D. R. Doongaji. | 11 | |

| 1 | 2 | 3 | 4 | 5 |
|---------|---|--|----------------------------|----------------|
| XX. | Surgical. —" —" | Dr. A. B. Samsi. Dr. S. G. Shenoy. Dr. C. V. Patel. | 4 4 2 | 10 |
| XXI. | Aural. —" | Dr. K. L. Shah. Dr. S. B. Ogale/ Dr. M. V. Ingale. | 6 6 | 12 |
| XXII. | Tetanus. | Dr. Philip Abraham. | 24 | 24 |
| XXIII. | General Surgery. Gastroenterology. Thoracic Surg. Thoracic Surg. | Dr. R. D. Bapat. Dr. S. K. Mathur. Dr. G. B. Parulkar. Dr. R. A. Mavotra. | 2 6 4 4 | 16 |
| XXIV. | Drug Trial. —" —" | C I B A C I P L A U N I C H E M | 10 10 10 | 30 |
| XXV. | Orthopaedic. —" | Dr. A. V. Bavdekar. Dr. S. K. Bhandare. | 20 20 | 40 |
| XXVI. | Orthopaedic. —" —" —" —" —" | Dr. L. N. Vora, Dr. C. G. Pradhan. Dr. A. V. Bavdekar. Dr. M. N. Shahane. Dr. R. S. Dhir. Dr. S. K. Bhandare. | 6 6 7 7 7 7 | 40 |
| XXVII. | Orthopaedic. —" | Dr. C. G. Pradhan. Dr. R. S. Dhir. | 20 20 | 40 |
| XXVIII. | Orthopaedic. —" | Dr. L. N. Vora. Dr. M. N. Shahane. | 20 20 | 40 |
| XXIX. | Orthopaedic. —" —" | Dr. C. G. Pradhan. Dr. R. S. Dhir. Dr. S. K. Bhandare. | 14 13 13 | 40 |
| XXX. | Orthopaedic. —" —" | Dr. L. N. Vora. Dr. M. N. Shahane. Dr. A. V. Bavdekar. | 14 13 13 | 40 |
| XXXI. | Thoracic Surgery. —" | Dr. G. B. Parulkar. Dr. R. A. Magotra. | 28 28 | 56 |
| XXXII. | Cardiology. Chest Clinic. | Dr. P. A. Kale. Dr. S. R. Kamat. | 25 30 | 55 |
| XXXIII. | Neuro-surgery. | Dr. S. K. Pandya. | 18 | 18 |
| XXXIV. | A. K. D. | Dr. V. N. Acharya. | 18 | 18 |
| XXXV. | Cardiology. L.I.C. M.S.W. | Dr. A. S. Vengasarkar. Dr. D. S. Pardanani. Dr. S. K. Mathur. Dr. S. D. Deodhar. | 18 14 5 5 | 18 14 10 |
| TOTAL: | | | | 1,615 |

APPENDIX—II :

Statement of In-Patients, treated, discharged and deaths according to Department, Sex and Age.

| Department | Sex | In the Hospital at the Mid-night of 31-12-1986. | Admitted During the year 1987. | Total Treated | Discharged | | Died | In the Hospital at the mid-night of 31-12-87. |
|-------------------|---------|---|--------------------------------|---------------|------------|-------------|------|---|
| | | | | | Cured | Other wise. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Medical. | Male | 208 | 8287 | 8495 | 6291 | 813 | 1214 | 177 |
| | Female | 128 | 4664 | 4792 | 3478 | 597 | 601 | 116 |
| | M/Ch. | 1 | 97 | 98 | 51 | 17 | 28 | 2 |
| | F/Ch. | 3 | 77 | 80 | 38 | 23 | 16 | 3 |
| Surgical. | Male | 140 | 7616 | 7756 | 6795 | 441 | 383 | 137 |
| | Female | 48 | 2625 | 2673 | 2048 | 372 | 216 | 37 |
| | M/Ch. | 6 | — | — | — | — | — | — |
| | F/Ch. | — | — | — | — | — | — | — |
| Ophthalmic. | Male. | 21 | 1264 | 1285 | 1132 | 120 | 2 | 31 |
| | Female. | 26 | 866 | 892 | 785 | 88 | — | 19 |
| | M/Ch. | — | 99 | 99 | 55 | 40 | — | 2 |
| | F/Ch. | — | 56 | 56 | 38 | 16 | — | 2 |
| Gynaec. Skin. | Female. | 47 | 3147 | 3194 | 3079 | 48 | 8 | 49 |
| | Male. | 9 | 199 | 208 | 102 | 96 | — | 10 |
| | Female. | 5 | 84 | 89 | 56 | 26 | 3 | 4 |
| | M/Ch. | — | 8 | 8 | 6 | 1 | — | 1 |
| Aural. | Female. | — | 6 | 6 | 6 | — | — | — |
| | Male. | 10 | 1050 | 1060 | 915 | 122 | 5 | 18 |
| | Female. | 6 | 688 | 694 | 522 | 157 | 2 | 13 |
| | M/Ch. | — | 341 | 341 | 231 | 110 | — | — |
| Orthopaedic. | F/Ch. | 1 | 288 | 289 | 205 | 83 | — | 1 |
| | Male. | 220 | 2404 | 2624 | 1943 | 394 | 71 | 216 |
| | Female. | 83 | 934 | 1017 | 579 | 305 | 39 | 94 |
| | M/Ch. | 22 | 552 | 574 | 430 | 118 | 1 | 25 |
| Psychiatric. | F/Ch. | 26 | 276 | 302 | 194 | 91 | 1 | 16 |
| | Male. | 32 | 1076 | 1108 | 650 | 440 | 2 | 16 |
| | Female. | 14 | 349 | 363 | 201 | 150 | 1 | 11 |
| | M/Ch. | — | 21 | 21 | 11 | 9 | — | 1 |
| Neuro-Surg. | F/Ch. | — | 5 | 5 | 3 | 2 | — | — |
| | Male. | 18 | 326 | 344 | 192 | 96 | 33 | 23 |
| | Female. | 10 | 156 | 166 | 95 | 41 | 20 | 10 |
| | M/Ch. | — | 89 | 89 | 51 | 21 | 10 | 7 |
| Neurology. | F/Ch. | 2 | 43 | 45 | 22 | 11 | 7 | 5 |
| | Male. | 25 | 209 | 234 | 142 | 70 | 9 | 13 |
| | Female. | 9 | 94 | 103 | 44 | 49 | 4 | 6 |
| | M/Ch. | 3 | 47 | 50 | 30 | 20 | — | — |
| Paed. Med. | F/Ch. | — | 20 | 20 | 12 | 8 | — | — |
| | M/Ch. | 52 | 2089 | 2141 | 1317 | 459 | 325 | 40 |
| Obstretic. | F/Ch. | 34 | 1526 | 1560 | 875 | 379 | 270 | 36 |
| | Female. | 107 | 6878 | 6985 | 6837 | — | 17 | 131 |
| Plastic Surg. | M/Ch. | — | — | — | — | — | 99 | — |
| | F/Ch. | — | — | — | — | — | 76 | — |
| | Male. | 23 | 321 | 344 | 95 | 222 | 2 | 25 |
| | Female. | 9 | 209 | 218 | 64 | 87 | 51 | 16 |
| Thoracic Surgery. | M/Ch. | 3 | 80 | 83 | 36 | 44 | — | 3 |
| | F/Ch. | 1 | 58 | 59 | 34 | 23 | — | 2 |
| | Male. | 19 | 600 | 619 | 259 | 305 | 35 | 20 |
| | Female. | 20 | 498 | 518 | 188 | 282 | 29 | 19 |
| Paed. Surg. | M/Ch. | 7 | 118 | 125 | 38 | 47 | 27 | 13 |
| | F/Ch. | 6 | 87 | 93 | 43 | 41 | 5 | 4 |
| | M/Ch. | 17 | 1474 | 1491 | 1029 | 336 | 81 | 45 |
| | F/Ch. | 11 | 709 | 720 | 478 | 174 | 53 | 15 |
| G.I.C. | Male. | 4 | 73 | 77 | 50 | 19 | 8 | — |
| | Female. | 2 | 39 | 41 | 32 | 8 | 1 | — |
| | M/Ch. | — | 2 | 2 | 2 | — | — | — |
| | F/Ch. | 1 | — | 1 | 1 | — | — | — |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---------|------|-------|-------|-------|------|------|------|
| Cardiology. | Male. | 21 | 680 | 701 | 446 | 160 | 52 | 23 |
| | Female. | 12 | 337 | 349 | 191 | 108 | 29 | 21 |
| | M/Ch. | 7 | 124 | 131 | 83 | 32 | 8 | 8 |
| | F/Ch. | 3 | 92 | 95 | 58 | 25 | 7 | 5 |
| Div. of Endocrinology & Metb. disorder. | Male. | 4 | 63 | 67 | 22 | 38 | 1 | 6 |
| | Female. | 3 | 59 | 62 | 28 | 30 | 4 | — |
| | M/Ch. | — | 3 | 3 | 3 | — | — | — |
| | F/Ch. | — | 3 | 3 | 3 | — | — | — |
| Chest Clinic. | Male. | 13 | 475 | 488 | 166 | 190 | 114 | 18 |
| | Female. | 6 | 273 | 279 | 115 | 109 | 41 | 14 |
| | M/Ch. | — | 15 | 15 | 6 | — | 9 | — |
| | F/Ch. | — | 6 | 6 | 1 | — | 5 | — |
| Haematology. | Male. | 2 | 98 | 100 | 40 | 42 | 16 | 2 |
| | Female. | — | 53 | 53 | 31 | 13 | 8 | 1 |
| | M/Ch. | — | 2 | 2 | 2 | — | — | — |
| | F/Ch. | — | — | — | — | — | — | — |
| Urology. | Male. | 18 | 531 | 549 | 391 | 128 | 14 | 16 |
| | Female. | 4 | 93 | 97 | 66 | 28 | 1 | 2 |
| | M/Ch. | — | 16 | 16 | 16 | — | — | — |
| | F/Ch. | — | — | — | — | — | — | — |
| Pharmacology. | Male. | 2 | 61 | 63 | 28 | 27 | — | 8 |
| | Female. | — | 7 | 7 | 7 | — | — | — |
| | M/Ch. | — | — | — | — | — | — | — |
| | F/Ch. | — | — | — | — | — | — | — |
| Nephrology. | Male. | — | 328 | 328 | 101 | 94 | 108 | 25 |
| | Female. | — | 155 | 155 | 72 | 30 | 50 | 3 |
| | M/Ch. | — | 14 | 14 | 5 | — | 8 | 1 |
| | F/Ch. | — | 4 | 4 | 4 | — | — | — |
| Total : | Male. | 789 | 25661 | 26450 | 19780 | 3817 | 2069 | 784 |
| | Female. | 539 | 22208 | 22747 | 18518 | 2528 | 1125 | 576 |
| | M/Ch. | 112 | 5191 | 5303 | 3402 | 1254 | 596 | 150 |
| | F/Ch. | 88 | 3256 | 3344 | 2015 | 876 | 440 | 89 |
| Grand Total : | | 1528 | 58316 | 57844 | 43715 | 8475 | 4230 | 1599 |

APPENDIX — III.

Statement of Out-patients New O. P. D. & Casualty according to the Departments, Sex during the year 1987.

| Department | Casualty cases | | | | | New O. P. D. Cases | | | | |
|---------------|----------------|--------|-------|-------|-------|--------------------|--------|-------|-------|-------|
| | Male | Female | F/Ch. | F/Ch. | Total | Male | Female | M/Ch. | F/Ch. | Total |
| Medical. | 3337 | 1224 | 42 | 23 | 4626 | 20610 | 13081 | 1 | 1 | 33693 |
| Surgical. | 6569 | 1338 | 21 | 14 | 7942 | 15524 | 6192 | 13 | 6 | 21735 |
| Ophthalmic. | 440 | 55 | 5 | 6 | 506 | 9663 | 6106 | 1184 | 926 | 17879 |
| Gynaec. | — | 59 | — | 1 | 60 | — | 11406 | — | — | 11406 |
| Dental. | 20 | 5 | 1 | — | 26 | 3440 | 2744 | 537 | 395 | 7116 |
| Skin. | 29 | 11 | 3 | 1 | 44 | 10079 | 3883 | 1954 | 1387 | 17303 |
| Aural. | 275 | 45 | 9 | 2 | 331 | 8087 | 5211 | 1967 | 1493 | 16758 |
| Ortho. | 2337 | 424 | 100 | 54 | 2915 | 19988 | 8831 | 2556 | 1488 | 32862 |
| Psychiatric. | 102 | 16 | — | — | 118 | 4024 | 1378 | 267 | 142 | 5811 |
| Neuro-Surgery | 21 | 3 | 1 | 2 | 27 | 1318 | 577 | 322 | 199 | 2416 |
| Neurology. | 2 | 2 | — | — | 4 | 1130 | 592 | 148 | 90 | 1958 |
| Paed. Med. | — | — | 322 | 210 | 532 | — | — | 5595 | 4306 | 9902 |
| Obstetric. | — | 46 | — | — | 46 | — | 4566 | — | 1 | 4567 |
| P. R. L. | — | — | — | — | — | — | — | 528 | 450 | 978 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
|---------------------|--------------|-------------------------|-------------|------------|--------------|---------------|--------------|--------------|--------------|---------------|
| Diabetic | — | — | — | — | — | 528 | 320 | 12 | 10 | 870 |
| Plastic Surg. | 677 | 134 | 45 | 26 | 882 | 443 | 224 | 139 | 99 | 905 |
| Thro. Surg. | 2 | 1 | 8 | 4 | 15 | 1481 | 1009 | 338 | 230 | 3058 |
| Paed. Surg. | — | — | 623 | 380 | 1003 | — | — | 896 | 468 | 1364 |
| G. I. C. | — | — | — | — | — | 578 | 251 | 13 | 8 | 850 |
| Cardiology. | 1 | 1 | — | — | 2 | 2479 | 1534 | 332 | 248 | 4593 |
| Endocrine. | — | — | — | — | — | 385 | 1220 | 34 | 41 | 1680 |
| Chest Clinic. | 4 | 3 | — | — | 7 | 1483 | 737 | 59 | 52 | 2341 |
| Epilepsy. | 3 | — | 1 | — | 4 | 677 | 352 | 225 | 156 | 1410 |
| Urology. | — | — | — | — | — | 490 | 129 | 14 | 4 | 637 |
| Arth. Cl. | — | — | — | — | — | 164 | 174 | 4 | 7 | 349 |
| Sport Cl. | — | — | — | — | — | 492 | 50 | 5 | 2 | 549 |
| Haematology. | 1 | — | — | — | — | 339 | 288 | 93 | 51 | 771 |
| Casualty. | — | — | — | — | — | 48238 | 17562 | 8324 | 4821 | 78945 |
| Dog Bite. | 1 | — | 1 | — | 2 | 3799 | 1024 | 1417 | 610 | 6850 |
| O. T. | — | — | — | — | — | 740 | 405 | 79 | 64 | 1288 |
| P. T. | — | — | — | — | — | 3335 | 2644 | 83 | 52 | 6114 |
| Sexology | — | — | — | — | — | 487 | 74 | — | — | 561 |
| U. Storie. | — | — | — | — | — | 158 | 41 | 3 | 2 | 204 |
| Paed. G. I. C. | | Reflected in G. I. C. | | | | — | — | — | — | — |
| Paed. Rheumatology. | | Reflected in Paed. Med. | | | | — | — | — | — | — |
| Paed. Nephrology | | Reflected in Renal Cl. | | | | — | — | — | — | — |
| Sterility | — | — | — | — | — | 484 | 22 | — | — | 506 |
| Geriatric. | — | — | — | — | — | 13 | 13 | — | — | 26 |
| Accupuncture. | | Reflected in Surgical | | | | — | — | — | — | — |
| P. & G. | — | — | — | — | — | 122 | 105 | 24 | 28 | 279 |
| Renal Cl. | 2 | 1 | — | — | 3 | 403 | 320 | 35 | 19 | 777 |
| School Clinic | — | — | — | — | — | 219 | 124 | 1281 | 1632 | 3256 |
| Neonatology | — | — | — | — | — | — | — | 154 | 137 | 291 |
| Well Baby | — | — | — | — | — | — | — | 1283 | 1008 | 2292 |
| Paed. Urology | | Reflected in Urology | | | | — | — | — | — | — |
| Spine Cl. | | Reflected in Ortho. | | | | — | — | — | — | — |
| Anorectal | | Reflected in Surgical | | | | — | — | — | — | — |
| Paed. Ch. Cl. | | Reflected in Paed. Med. | | | | — | — | — | — | — |
| TOTAL : | 13823 | 3368 | 1182 | 723 | 19096 | 161411 | 93189 | 29917 | 20634 | 305151 |

APPENDIX—IV.

Details of average Cost per In-patient and per Out-patients.

| Particular. | 1986—87 | | 1987—88 | |
|----------------------|------------|-------------|------------|-------------|
| | In-patient | Out-patient | In-patient | Out-patient |
| I—Establishment. | 86.36 | 32.82 | 99.54 | 29.40 |
| II—Contingencies. | 1.08 | 9.35 | 2.80 | 10.72 |
| III—Equipment. | 2.80 | 1.14 | 3.02 | 0.91 |
| IV—Drug & Medicine. | 21.24 | 19.52 | 23.10 | 19.98 |
| V—Diets. | 5.56 | — | 6.96 | — |
| VI—Stores. | 2.54 | 14.88 | 5.48 | 15.83 |
| VII—Repairs & Maint. | 8.12 | 10.10 | 10.10 | 12.00 |
| Total : | 127.70 | 87.81 | 151.00 | 88.84 |

APPENDIX—V
RESULTS FOR THE YEAR 1987-88.

| Name of the Examinations. | June 1987 | | November 1987 | |
|-----------------------------------|------------|--------|---------------|--------|
| | Registered | Passed | Registered | Passed |
| M. D. | | | | |
| 1. Medicine. | 6 | 1 | 12 | 8 |
| 2. Obst. & Gynaec. | 25 | 14 | 21 | 15 |
| 3. Pharmacology. | 2 | 1 | 1 | — |
| 4. Paediatrics. | 15 | 8 | 22 | 17 |
| 5. T. B. & Chest. | 2 | 1 | 1 | 1 |
| 6. Skin Diseases. | 2 | 1 | 3 | 1 |
| 7. Anaesthesia. | 11 | 2 | 16 | 7 |
| 8. P. & S. M. | 2 | 1 | — | — |
| 9. Psy. Medicine. | 4 | 3 | 5 | 4 |
| 10. Pathology. | 3 | 1 | 2 | 2 |
| 11. Radio Diagnosis. | 5 | 4 | 6 | 4 |
| 12. Microbiology. | — | — | 2 | — |
| D. M. | | | | |
| 1. Neurology. | 1 | — | 2 | 1 |
| 2. Cardiology. | 4 | 2 | 3 | 1 |
| 3. Endocrinology. | 1 | 2 | 3 | 1 |
| M. S. | | | | |
| 1. General Surgery. | 16 | 8 | 15 | 14 |
| 2. Ortho. | 12 | 7 | 12 | 4 |
| 3. Ophthalmology. | — | — | 2 | 2 |
| 4. E. N. T. | 3 | 3 | 2 | 2 |
| 5. Human Anatomy. | — | — | 1 | 1 |
| M. Ch. | | | | |
| 1. Neuro-Surgery. | 1 | 1 | — | — |
| 2. Thoracic Surgery. | 2 | 2 | 2 | 2 |
| 3. Plastic Surgery. | 2 | 2 | — | — |
| 4. Paed. Surgery. | 2 | 2 | 2 | 2 |
| Diplomas. | | | | |
| 1. D. A. | 13 | 11 | 6 | 5 |
| 2. D. V. D. | 1 | 1 | 2 | 1 |
| 3. D.M.R.D.—Part—I. | 2 | 2 | 6 | 6 |
| 4. D.M.R.D.—Part-II. | — | — | 7 | 6 |
| 5. D.P.M.—Part-I. | 3 | — | 8 | 7 |
| 6. D.P.M.—Part-II. | 2 | 2 | 5 | 4 |
| 7. D.P.H.—Part-I. | 6 | 2 | 9 | 5 |
| 8. D.P.H.—Part-II. | 2 | — | 4 | 3 |
| 9. M. Sc. (O. T.) | 6 | 6 | — | — |
| 10. M. Sc. (P. T.) | 3 | 2 | — | — |
| 11. M. Sc. By Research. | 16 | 8 | 23 | 9 |
| 12. M. Sc. Biochemistry. Part—I. | 12 | 10 | — | — |
| 13. M. Sc. Biochemistry. Part—II. | 11 | 11 | — | — |
| 14. D. M. L. T. | — | — | 8 | 6 |
| 1. F. Y. B. Sc. (O. T.) | | | | |
| 1. F. Y. B. Sc. (O. T.) | 40 | 36 | 7 | 4 |
| 2. S. Y. B. Sc. (O. T.) | 28 | 15 | 31 | 21 |
| 3. T. Y. B. Sc. (O. T.) | 7 | 4 | 25 | 22 |
| 1. F. Y. B. Sc. (P. T.) | | | | |
| 1. F. Y. B. Sc. (P. T.) | 39 | 33 | 7 | 2 |
| 2. S. Y. B. Sc. (P. T.) | 34 | 29 | 20 | 12 |
| 3. T. Y. B. Sc. (P. T.) | 2 | 1 | 29 | 25 |

APPENDIX — VI RESEARCH

PHYSIOTHERAPY SCHOOL AND CENTRE :

1. Some studies in Pain Measurement and modification in man.
2. Influence of muscle afferents and mechanoreceptor cutaneous inputs on alpha motor neurones during corticospinal drive and reflex activity.
3. Three dissertations submitted by M. Sc. Physical Therapy students.

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE :

1. Child as a health scout with regards to personal hygiene and use of elder school child to improve the status of personal hygiene of younger school children.
2. Child's role in scabies control programme.
3. House to house education impact of O. R. S. during detected episodes of Diarrhoea.
4. Anaemia control Drive with child as diagnostic therapeutic and Educative role.
5. Assessment of novel medias of communication as implemented by child-in Malvani community as regards their informative Educative and entertrining impacts.
6. Child as mini doctors in primary health care and child as health educator with constraints and limitations. Can child substitute a community Health Voluntaeer in Primary Health care Delivery system.
7. Impact of Group activities verses Individual activities as tools in health education programmes.
8. Child as a motivator for the effective implementation and action programme of immunisation in community.
9. Constructive use of Morchas and Ralley for effective Health educational messages.
10. T. B. "Tea club" a new effective educational method and means to win over present defaulters and prevent future defaulters.
11. A study of Protein Energy Malnutrition in children registered at the under Five's clinic at Naigaon, with respect to certain epidemiological factors, with particular reference to persistence of age old beliefs and superstitions in the community.
12. Use of Pictorial Proformas in filling up the activity results can itself act to reinforce the knowledge.
13. Playing of games as means to make the learning process more interesting and informative.

DR. Daniel E. E. — Reader :

- A) Evaluation of community based Primary child health care services in the Urban field practice area of P. S. M. department.
- B) Effect of Health and Nutrition education on Growth and development of under five years children in Urban field practice area of P. S. M. department.
- C) Study to determine prevalence of pulmonary tuberculosis in Urban field practice area of P. S. M. Department.
- D) Effects of community based preventive and control measures on the incidence and prevalence of tuberculosis during the period from 1988 to 1990.
- E) A study of develops a communities based strategy for prevention of control of ARF & RHD in Municipal School going children of F/S Municipal Ward.
- F) Role of community participation in extension of universal programme.
- G) Mide term review of Universal immunization programme being implemented by department of P. S. M.

DEPARTMENT OF PATHOLOGY :

Research projects (completed) undertaken by the department of Pathology in C. V. T. C. Laboratory.

1. Apolipoprotein B and HDL in normolipemia and hyperlipoproteinemia.
2. Studies on EFA composition in patients suffering with MI.
3. Studies in enzymes and isoenzymes in patients undergoing open heart surgery.
4. Lipid compositions of lipoproteins in diabetics.
5. Apolipoproteins A and Serum HDL concentration in patients suffering from MI.
6. Studies in HDL in patients with AMI.
7. Studies on oxidative metabolism in patients suffering undergoing open heart surgery.
8. Evaluation of lipid status in cancer patients.
9. Study of serum and Urinary isoamylases in chronic alcoholics, social drinkers and teetotalers.
10. Studies in gastrointestinal enzymes in paediatric patients suffering with malnutrition.
11. Clinical studies on Gamfibrizoyl.
12. Studies in leucocyte Ma-K transport.

13. Studies in carbohydrates compounds of RBC membrane.
14. Rheumatoid arthritis with reference to R. A. factor and immunoglobulins.
15. Discrimination between in by ssinosis and chronic bronchitis in cotton Mill workers, by serum immunoglobulin pattern.
16. Immunoglobulins in byssionsis, chronic bronchitis and pulmonary.
17. Lymphotoxins in Leprosy.
18. Regulatory T Lymphocyte Subpopulations in ARF and CHD.
19. Collaborative centre HLA in health and disease.
20. Polymorphonuclear Leucocyte functions in ARF and RHD.
21. Fc. and complement receptor expression on neutrophils in ARF.

DEPARTMENT OF NEPHROLOGY :

The following research projects are being done in the department.

1. Evaluation of Fine Needle Aspiration Cytology (FNAC) for the diagnosis and prognosis of renal transplant rejection.
2. Utility of Technicium 99m DTPA and Technicium sulphur colloid radionuclide evaluation of renal allograft function.
3. Study of Thyroid dysfunction in patients of Chronic renal failure before and after dialysis and transplant.
4. Evaluation of newer quinolones (Ofloxacin and Norfloxacin) in the management of multiple drug resistant urinary tract infections.
5. Study of some aspect of non excretory function of the kidney before and after transplant in patients of Chronic renal failure due to End stage Renal disease.
6. Comparative evaluation of ¹³¹I-phenol absorptiometry, ^{99m}Tc MDP Bone Scintigraphy and radioimmunoassay of parathyroid hormone and calcitonin in the study of renal osteodystrophy.

DEPARTMENT OF GASTROENTEROLOGY :

1. Evaluation of intradermal hepatitis - B vaccination response in comparison to intramuscular route.
2. Protective effect of misoprostol on gastroduodenal changes induced by NSAIDS.
3. Effect of lactobacillus on gut flora in health and disease states.
4. Effect of dietary constituents and treatment modalities on intestinal gas composition.
5. Study of bacteremia following endoscopic variceal sclerotherapy.
6. Evaluation of tests for diagnosing completeness of vagotomy.
7. Evaluation of acute phase reactants in idiopathic ulcerative colitis.

Research/service :

- i) Hepatitis — B screening and vaccination of hospital staff.
- ii) Endoscopic variceal sclerotherapy — probably largest experience in India.
- iii) Gastrointestinal manometric studies being standardized.

DEPARTMENT OF CARDIOLOGY (Unit — II) :

1. Intravenous Streptokinase in Acute myocardial infarction.
2. Acute haemodynamic studies in primary pulmonary hypertension.
3. Oral Diltiazem in Primary pulmonary hypertension.
4. Hemodynamic studies in unilateral total pneumonectomy.
5. Assessment of ballon dilatation of stenotic valves and coarctation of aorta as a alternate method of surgery.
6. Relative efficacy of closed Vs Open Mitral valvotomy.
7. Hemorheology parameters in IHD and Hypertension.

DEPARTMENT OF CARDIOLOGY (Unit — II) :

1. 'TENOLOL' drug trial in angina pectoris.
2. Study of 'Silent Myocardial Ischaemia'.
3. Assessment of MVA comparison of haemodynamic and doppler gradient.
4. 'Ischaemic heart disease in low socio-economic group.
5. 'RV Infarction' ECG and haemodynamic recognition.
6. Ballon Dilatation of valves and stenotic lesions.
7. Study of special procedures like septostomy.
8. Study of congenital hearts in neonatology.

DEPARTMENT OF PEDIATRICS :

Dr. S. F. Irani.

1. A Study of low birth weight babies, sponsored by CAMHADD.
2. A study of birth asphyxiated newborns and their follow up, aided by Research Society.
3. A study of polymorphonuclear function in Low Birth Weight babies, aided by Research Society.
4. A study of perinatal infections sponsored by I. C. M. R.

DEPARTMENT OF SKIN, V. D. & LEPROSY :

1. Prognostic evaluation of the various treatment of Pemphigus Vulgaris using new scoring system.
2. To evaluate the efficacy and safety to Oxatomite in the treatment of Chronic Urticaria.
3. A double-blind comparative clinical efficacy and safety study of Diprogenta and Betnovate-N creams in the treatment of bacterially infected dermatoses.
4. A comparative study of Terfenadine Vs Chlorpheniramine malette in the treatment of Urticaria.
5. Clinical and Bacteriological aspects of Pyoderma.
6. Clinical, Mycological and Immunological Co-relation in cutaneous and mucocutaneous candidiasis.

DEPARTMENT OF CARDIOVASCULAR AND THORACIC SURGERY :

1. Hypertropic myocardia.
2. Evaluation of new heart valves.
3. Termmunological aspect of cardiopulmonary by pass.

DEPARTMENT OF PHARMACOLOGY :

1. Effect of anaemia on Asprin pharmacokinetics and thromboane estimation.
2. Effect of Gugul on Digoxin pharmacokinetics.
3. Therapeutic drug monitoring whenever the samples are sent from wards.
4. Phenobarbitone levels in plasma from neonate patients.
5. Diltiazime pharmacokinetics.
6. Sulphonamide trimithoprim in tissues.
7. Polymorphonucler function in neonates.
8. Caphalexin bioavailabilty study.
9. Anti tussive screening of compounds.
10. Sedetative effect of various anti tussive preparations.
11. Mechanism of action anticonvulsent study of piperngrum.
12. Neuropathological and Neuropharmacological study of M. J. C. P. in Animals.
13. Experimental studies in treeditional remedies for diabetics, melitus (I. C. M. R.) project.
14. Evaluation of celluler immune function in
 - Recurrent skin infections.
 - Children with measles.
 - Patient undergoing surgery.
 - Pyomyositis — myofeaciatis.
 - Septicemia.
 - Obstructive joundice.
 - Hepatic fibresis.
 - Burns.
 - Diabetes.
 - IPM.
 - Eiclerly patients.
 - UTI.
 - Renal dysijunction.
15. Antipyryne t½ as prognostic marker of surgery.
16. Effect of antibiotics on cellular immune functions.
17. Evaluation of immunomodulatory activity of three marketed preparations in experimental animals and human vounteers.
18. Evaluation of safety and efficacy of safe T—an Ayurvedic preparation.
19. Evaluation of mytoprotective effect of Asparagus racemosus in expt animals and human vounteers.

20. Mechanism of gastric mucosal barrier damage in expt. animals.
21. Studies on neuroendocrine immune modulatory activity of *Asparagus racemosus* in expt. animals.
22. Further studies on anti-hepatotoxic activity of *Tinospora Cardifolia* on different models of liver injury.
23. Bioavailability studies.
 - Ibuprofen slow release preparation.
 - Cephalosporin preparations.
24. Mechanism of interaction of nifedipine and magnesium sulfate invitro studies.

DEPARTMENT OF PHARMACOLOGY & CLINICAL PHARMACOLOGY :

Research projects on C. D. R. I. Compounds.

1. Centbutindole pharmacokinetics in normal human volunteers.
2. Tolerability and antibody titres of Cholera Vaccine in adult male volunteers.
3. Phase I B studies of Coleonal.
4. Effect of Gugulipid on platelet function and Rheological properties in hyperlipidemic patients.
5. Comparative clinical evaluation of chandonium iodide and pancuronium bromide as muscle relaxants.

DEPARTMENT OF ANATOMY :

The Nature of Bone & Bony attachments, —

Drs. M. L. Kothari, Lopa A. Mehta, M. Natarajan.

Dr. Lopa Mehta attended National Workshop No. III at Manipal in October, 1987 on "Implementation of integrated curriculum on hyman growth and development."

APPENDIX — VII PUBLICATIONS

SETH DHURUMAL BAJAJ ORTHOPAEDIC CENTRE AND RESEARCH INSTITUTE.

- a) By pass plating — 'A new simple external fixater' — Indian Journal of Surgery — July 1987 — Dr. R. S. Dhir, and Dr. S. Y. Bhojraj.
- b) Epitheloid sarcoma — Case report and review of literature — Dr. R. S. Dhir and Dr. B. A. Bhama : Postgraduate Journal of Medicine, July 1987.
- c) Intramedullary nailing fracture tibia — Dr. M. N. Shahane — Indian Journal of Orthopaedic. (Dr. A. K. Talwalkar Memorial Issue) December 1987.
- d) Surgical management for malunited monteggia fracture in children Dr. R. S. Dhir and Dr. S. Y. Bhojraj — Indian Journal of Orthopaedics — July — 1987.

DEPARTMENT OF OBSTETRICS AND GYNACOLOGY : (Dr. I. N. Hinduja's Unit)

- Early pregenancy factor in cultured fluid of IVIET procedure. — Indian Journal of Medical Research.
- Bacteriological study of semen in male enrolled for IVFET programme. — Indian Journal of Medical Research.
- In vitro fertilization and embryo replacement in women. National Medical Journal of India.
- Ultra structure of oocyte before and after fertilization sent for publication.

DR. A. M. Virkud.

- Laparoscopic sterilization with silastic bands. Difficulties and Complications. — Journal of Obst. and Gynaec. of India — Oct. 1987. Broadligament Angiolipoma — Case report, — Jr. of Obst. and Gyn. of India — 1987.

Cytological and Biochemical Analysis of Amniotic fluid for estimating foetal maturity.

Accepted for publications in Jr. of Obst. and Gyn. of India.

Dr. Usha R. Krishna.

- Risk factors in Prematurity. Ind. Jr. of Obst. & Gyn. Vol. 37, No. 2, Apr, 1987, Pg. 237.
- Perinatal outcome in Antepartum Haemorrhage, Bombay Hospital J. Vol. 29, No. 4, 1987.
- Pelvic Inflammatory Disease in Intrauterine Contraceptive Device users. Bombay Hospital Jr. Vol. 29, No. 4, 1987.
- Management of Precancerous Lesions of Cervix, Proceedings of Gynaec. Oncology. An Update Workshop and Seminar, Tata Memorial Hospital, 11th Oct. 1987.
- A traumatic vesico-cervical Fistula — Case Report, Post-graduate Jr. of Medicine, April, 1987.
- Relationship of Perinatal Infection to Perinatal Mortality and Morbidity. Journal of Perinatology and Reproductive Biology of India. Vol. (9), No. 1, Sept. 1987.
- Clinical aspects of Toxoplasmosis — Experience published in the proceedings of the Workshop cum seminar on Toxoplasmosis and related Maternal infections, at N. Wadia Hospital, 27th Sept. 1987.

DR. S. V. Parulekar.

Spontaneous variable deceleration in pregnancy induced hypertension Vol. 37, P. 445.

Apparent halving of the foetal heart rate : a new case. Vol. 37, P. 471.

Genital tuberculosis in women. Vol. 37, P. 576.

Cervical tuberculosis. Vol. 37, P. 617.

Acute haematometra following first trimester pregnancy termination. Vol. 37, P. 726.

Very early puerperal laparoscopic sterilization : a new technique. Vol. 37, P. 827.

DR. S. S. Seth.

Comparative study of I A Saline and etharsidine in 2nd Trimester abortions — Indian Journal of Gynaec.

DEPARTMENT OF PATHOLOGY (C. V. T. C. Lab.).**1. Patterns in Bronchiectasis, an analysis of 449.**

Patients — Kamat S. R., Mahashuar A. A., Kinare S. G.,

Parulkar G. B., Kolhatkar V. P. and Potdar P. V.

—Lung India 4 : 149 — 154 : 1986.

Issue published in 1987.

2. Quantitative study of mitral valve in chronic rheumatic heart disease.

—Dr. S. G. Kinare and H. L. Kulkarni.

International J. of Cardiology 16 : 271—284 : 1987.

3. Chorinocarcinomatous Transformation in metastases of Anaplastic lung Carcinoma.

Indian Jr. of Cancer 1987, Vol. 24, 3, 161-166.

(Dr. Jaya Deshpande).

4. The antibody response to methyl isocyanate experimental and clinical findings, Merryll H. Carrot, Saroj Taskar, Sudha Gangal, Becerily Rubanof and S. R. Kamat.

Environmental Health Perspectives 72 : 169 — 1987.

5. Usefulness of Serum Lipid and LGAT levels in diagnosing chronic hepatic Dysfunction in liver cirrhotic.

M. D. Chedha, P. Abraham, S. Nerurkar, S. P. Taskar, S. R. Naik, Indian J. Gastroenterology 1987, Vol. 6, No. 4 201-203.

DEPARTMENT OF E. N. T.

i) 'Is Vidian Neurectomy Worthwhile' — J. L. O. Jan. 1988.

ii) 'Styloid Process for ossicular reconstruction' J. L. O. Feb. 1988.

iii) 'Plomorphie Adenoma of Lacrimal gland' - P. G. Journal.

iv) C/O SMF of tongue — Journal of Association of Physicians of India.

DEPARTMENT OF MEDICINE.

Two papers written by Dr. Chetan Bhatt and Dr. G. H. Tilve accepted for publication by Postgraduate Journal of Medicine, K. E. M. Hospital, Bombay.

1) "Variation in normal hepatobiliary scintigraphy".

2) "Efficacy of Misoprostol in Upper Gastrointestinal lesions induced by NSAIDs in arthritis patients".

DEPARTMENT OF HAEMATOLOGY.**List of scientific papers published in 1987.**

—Thrombotic thrombocytopenic purpura. Parikh P. M. Chile V. S., Mehta B. C., Anjaria P. D., - Jr. of Postgrad. Med., 1987 : 33 : 105—107.

—Hemophilia in a female child. — Kamath M., Naomi Santos, Mehta B. C. Ind. J. Hemat, 1987 : 5 : 71 — 73.

—Does beta thalassemia trait protect against iron deficiency ? Mehta B. C., Pandya B. G., — Ind. Jr. Hemat. 198 : 5 : 59—62.

—Iron status of blood donors. Mehta B. C., Purnima Kamath, Vijayalaxmi Ray. — Ind. Jr. Hemat. 1987 : 5 : 13; 15.

—Systolic time intervals in iron deficiency anemia. what do they reflect ? Mehta B. C., Iyer H. K.

—Ind. J. Hemat. 1987 : 5 : 97 — 106.

—Acquired hemophilia. Mehta B. C., Pandya B. G., Trivedi A. P., Jr. Assan. Phys. Ind. 1987 : 35 : 238 — 239.

—Iron status of beta thalassemia carriers. Mehta B. C., Pandya B. G., Am. J. Hemat. 1987 : 24 : 137-141.

—Nail growth in iron deficiency anemia. Mehta B. C., Parikh P. M. Pandya M. and Purnima Kamath. 1987 : 5 : 139—141.

DEPARTMENT OF UROLOGY.

1. Study of Erectile Dysfunctions in Diabetic Males. *Indian Journal of Urology*. 3 (2) : 64—69, 1987.
2. A multi-centric study on single daily dose treatment of urinary tract infections with Sisomycin. *The Indian Practitioner*. XL (9) : 755—761, 1987.

DEPARTMENT OF RESPIRATORY MEDICINE AND ENVIRONMENTAL POLLUTION RESEARCH CENTRE.

1. Kamat S. R. Adverse health effects from Industrial Pollution *Encology* 1987 : 1 : 36—41.
2. Kamat S. R. — Evaluation of health hazards in textile industry. *Indian Pract.* 40 : 303—10 : 1987.
3. Patel M. H., Kolhatkar V. P., Poddar P. V., Shekhavat K. L., Shah H. N., Kamat S. R. — MIC survivors of Bhopal sequential flow volume loop changes observed in 18 months follow up. *Lung India*. 1987 : 5 : 59-65.
4. Chatterjee T. S., Kolhatkar V. P., Kamat S. R., — Comparative study of airway obstruction and reversibility using spirometry and plethysmography. *Lung India*. 5 : 77-78 : 1987.
5. Kamat S. R., Doshi V. B., Sequential health study in relation to air pollution in Bombay, India. *Euro. J. Epidemiol.* 1987 : 3 : 265 — 77.
6. Patel M. H., Bharathi H. S., Mahashur A. A., Vaidya P. V., A follow up study of pulmonary asbestosis in Bombay. *Lung India*. 5 : 119-133 : 1987.
7. Karol M. H., Taskar S. P., Gangal S., Rubans F. F., Kamat S. R. The antibody response to MIC : experimental and clinical findings : *Environ. Hlth. perspectives* 1987 (June) 72 : 168-76.
8. Kamat S. R., Patel M. H., Kolhatkar V. P., Dave A. A., Mahashur A. A., Sequential respiratory changes in those exposed to the gas leak at Bhopal. *Ind. J. Med. Research* 1987 (nov.) Suppl. 86 : 20—38.
9. Patel M. H., Bharathi H. S., Mahashur A. A., Vaidya P. V. and Kamat S. R., A follow up study of pulmonary asbestosis in Bombay. *Lung India* (1987) V. No. 3, Pg. 120-123.

Dr. S. R. Kamat — Executive member of :

- 1) Bombay Dister Plan Committee, Maharashtra State.
- 2) Project Advisory Committee, ICMR, on Bhopal studies.
- 3) Secretary — Indian Chest Society.
- 4) Advisory Committee Enviro-Tech. '88.
- 5) Executive President — 6th National Congress of Respiratory Dis. Bombay.
- 6) Co-Chairman, Anaerobes in Enviro-Hlth. infection. Nov. 1987.

DEPARTMENT OF NEUROLOGY.

1. Bharucha E. P., Bharucha N. E., Bhandari S. N. : Motor Neurone Disease in West Indian (Chapter—17). In : Gourie-Devi M (Ed.) *Motor Neurone Diseases*, 1987 : 165—170.
2. Bharucha E. P., Bharucha N. E. : Epilepsy (Chapter — 33) In : Sainani G. S., Joshi V. D., Mehta P. J. (Eds.) *Medical Therapeutics*; 1987 : 78-82.
3. Bharucha E. P. ; Epilepsy. *Bombay Hospital Journal*, 1987 : 29(1) : 27-31.
4. Bharucha E. P.; Magraine (Chapter 34). In : Sainani G. S., Joshi V. R. Mehta P. J. (eds.), *Medical Therapeutics*, 1987 : 83-85.
5. Bharucha N. E.; Vetigo (Chapter 35). In : Sainani G. S., Joshi V. R. Mehta P. J. (Eds.). *Medical Therapeutics*, 1987 ; 86-87.
6. Bharucha N. E. : Deficiency Disorders of Nervous system (Chapter —44) In : Sainani G. S., Joshi V. R., Mehta P. J. (Eds.) *Medical Therapeutics*, 1987 : 114-119.
7. Bharucha N. E., : Peipheral Neuropathy (Chapter — 45). In : Sainani : G. S., Joshi V. R., Mehta P. J. (Eds.) *Medical Therapeutics*, 1987 : 116-119.
8. Bharucha N. E., Bharucha E. P., Bhise A. V., Schonenberg B. S. : Population based Case Control study of Completed ischemic Stroke in the Parsis of Bombay; A population based study. *Neurology (NY)* 37 (Suppl 1) : 1987 : 151.
9. Bharuchil E. P., Bharucha N. E. : Recombinant Techniques in Genetic Disease. 1987 : 35(1) : 57-59.
10. Bharucha E. P., Bharucha N. E., : Neurological manifestations among these exposed to toxic gas at Bhopal. *Indian Journal of Medical Research*, 1987 : (Suppl) 86 : 59-62.
11. Bharucha E. P., Bharucha N. E. : Virus Infections of the Nervous system. In *Neurological society of India's test book of Neurology*.
12. Bharucha E. P.; Bharucha, N. E. : Multiple Sclerosis *Neurology India*.
13. Bharucha E. P., Bharucha N. E. : Protracted Asymetrical Spinal Muscular Atrophy (Chapter). In : *Neurological Sciences — An Overview of current problems*. Editors : Dr. D. K. Dastur, et al.
14. Bharucha E. P., Bharucha N. E. : Prognosis of Epilepsy (Chapter). In : *Neurological Sciences — An Overview of current problems*. Editors : Dr. D. K. Dastur, et al.

15. Bharucha N. E., Bharucha E. P., Dastur H. D., Schoenberg B. S. : Allied serve of prelivant of Neurological disorder in the Parsi community of Bombay. American general of Preventive medicine —1987. Vol. 3, Page 00-00.

16. Bharucha E. P., Shah L. J., Bharucha N. E. : Chorea with acanthocytosis. Presented at Neurological Society of India Meeting, Hyderabad, in December 1987.

17. Bharucha E. P., Bharucha N. E.; Virus infections of the Nervous system In : Text book of Neurology, Neurological Society of India, April 1987.

DEPARTMENT OF PAEDIATIC :

Dr. N. B. Kunta (Unit — 1)

1. Acrodysostosis syndromē : Ind. Jr. Ped. 1987 : 54 : 271-273.

2. Cyproheptadine Poisoning : Ind. Jr. Ped., 1987, 24(2) PP. 165-169.

3. Cyproheptadine Poisoning : Abstract of Article Published by Toxicology Abstracts, Cambridge Scientific Abstracts.

4. Cavernous Hemangioma of the Liver & Spleen. Ind. Ped. 1987, 24(5), pp. 427-430.

5. Farber's Lipogranulomatosis. Ind. Ped. 1987, 24(8), PP 673-675.

6. MURCS Association, Ind. Ped. 1987, 24(7), pp. 589-591.

7. Chondroectodermal dysplasia. Ind. Ped., 1987, 24(11) pp. 1045-1050.

Dr. S. F. Irani.

1. "Transient Hyperglycemia in Neonate" — A case report with Review of Literature.

Journal of Postgraduate Medicine (1987) 33(4) 222-225.

2. "Congenital Malaria" — A report of two cases.

Journal of Postgraduate Medicine. (1987) 33(3) 158-161.

Dr. B. A. Bharucha.

1. Acrodysostosis syndrome : Ind. Jr. of Ped. 1987 : 54 : 271-273.

2. Cyproheptadine Poisoning : Ind. Ped., 1987, 24(2), pp. 165-169.

3. Cyproheptadine Poisoning : Abstract of article published by Toxicology Abstracts, Cambridge Scientific Abstracts.

4. Cavernous Hemangiomas of the Liver & Spleen. Ind. Ped. 1987. 24(5), pp. 427-430.

5. Farber's Lipogramulamatosis. Ind. Ped., 1987, 24(8), pp. 673-675.

6. MURCS Association. Ind. Ped., 1987, 24(7), pp. 589-591.

7. Chondroectodermal dysplasia. Ind. Ped., 1987, 24(11), pp. 1045-1050.

Dr. M. D. Shah (Unit-II).

A — Papers published :

1. Comparative Evaluation of Different Chemotherapeutic Regimens in Childhood Pulmonary Tuberculosis : M. D. Shah, Vidya V. Kulkarni, Preeti R. Patel, Rajan S. Garg, Smita R. Maniar, Paediatric Clinics of India, Vol. 22, No. 3 pp. 31-39.

2. Editorial for the July and October 1987 issues of Paediatric Clinics of India, Vol. 22 No. 3 pp. 3-5.

3. Recommendations of the sub-committee on Allergic and immunologic Respiratory Disorders : M. D. Shah, Vidya Kulkarni, W. K. Kandoth and Shyampada Khatua. Pediatric clinics of India, October 1987, Vol. 22, No. 4, pp. 19-22.

4. Guest Editor for July and October 1987 issues of Paediatric Clinics of India on Respiratory Disorders in children.

C. Lectures delivered at various academic bodies of invitation :

1) 'Bronchial asthma in Children' — a lecture delivered at Surat branch of India Academy of Pediatrics on 26th July 1987.

2) Lecture on 'Hyperreactive Airway diseases' on 30th August 1987, in CME programme organised by Bombay branch of IAP.

3) Lecture on 'Acute respiratory distress in children, diagnosis and management' on 20th December 1987 in a seminar on Pediatric emergencies organised by Jeebaj Wadia Children's Hospital.

Dr. A. S. Vidwans :

1. Radionuclide Scintigraphy of brain and ultrasound studies in Tubercular Meningitis. Clinical Nuclear Medicine.

Vol. 12, No. 4, 298-301 April 1987.

2. Primary Polydypsia in infancy.

I. P. Vol. 24, 169-172, February 1987.

3. 'Study of EEG and C. T. Scan in Neurologically normal cases of focalo-onvulsions' Accepted for publication In Journal of Tropical Pediatrics.

4. 'Congenital Penile Agenesis — A case Report'

Accepted for publication in *Ind. Pediatrics*.

DR. P. W. Kandoth :

'Primary Polidipsia in Infance', *Ind. Paed. Vol. 24, No. 2 : 1987, 169-172.*

DEPARTMENT OF PATHOLOGY :

Kamat. S. R., Mahashur A. A., Kinare S. G., Parulkar G. D. Kolhatkar V. P., and Potdar P. V. : Patterns in Bronchiectasis: an analysis of 449 patients. *Lung India (4 : 149-154, 1986. Issued published in 1987.*

2. Dr. S. G. Kinare and H. L. Kulkarni : Quantitative study of mitral valve in chronic rheumatic heart disease. *International J. of Cardiology, 16 : 271-284, 1987.*

3. Jaya Deshpande : Choriocarcinomatous Transformation in metastases of an anaplastic lung carcinoma. *Ind. J. Cancer, 1987, Vol. 24, 161-166.*

4. Pandit A. A., Deshpande R. B., Vora I. M., Rawal M. Y. Massive oedema of the ovary, *J. Of Postgraduate Medicine 33 (1) 39-40, 1987.*

5. Pandit A. A., Vora I. M., Mittal B. V., ; Squamous cell carcinoma of the breast (report of six cases). *J. of Postgraduate medicine 33(2), 87-90, 1987.*

6. Pandit A. A., Candes F. P., Kubchandani S. R. : 'Fine needle aspiration cytology of lymph nodes. *J. of Postgraduate Medicine 33(3) : 134-136, 1987.*

7. Bhama R. A. Dhir R. S., Pandit A. A. : Epitheloid sarcoma of the upper extremity — a case report, *J. of Postgraduate Medicine, 33(3) 134-136, 1987.*

8. Jaya Deshpande : Choriocarcinomatous transformation in metastases of an anaplastic lung carcinoma, *Ind. J. Cancer, 24 : 161-166, 1987.*

9. Mittal B. V., Cotton R. S. : Severely atypical changes in renal epithelium in biopsy and graft nephrectomy specimens in two cases of cadaver renal transplantation. *Histopathology, 11, 833-841, 1987.*

10. Mittal M. V. Sane S. Y. Pathological diagnosis — a case of congenital nephrotic syndromes, *J. Applied Medicine, Vol. 13; 205-206, 1987.*

11. Mittal B. V., : Pathological diagnosis of multiple myeloma presenting with acute renal failure. *J. Applied Medicine, 13, 445-446, 1987.*

12. Mittal B. V. : Almedia A. P. : Malignant hypertension, a clinicopathological study of 43 cases. *J. Postgraduate Med. 33 : 49-54, 1987.*

13. Mittal B. V. : Renal diseases in infective endocarditis. *J. Postgraduate Med. 33, 193-197, 1987.*

14. U. B. Khanna, A. F. Almeida, B. V. Mittal, N. M. Dedhia, V. N. Acharya, Glomerulonephritis presenting as acute renal failure. *J. Postgraduate Med. 33 : 24-28, 1987.*

15. Khanna U. B., Shivandikar M. G., Almedia A. P., Mittal B. V. Chablani A. T., Badakere S. S., Bhatia M. M., Acharya V. N., Spectrum of renal involvement in SLE. *J. A. P. I. 35, 623-625, 1987.*

16. Suratkar L. H., Khanna U. B., Plumber S. T. Desai J. D., Almeida A. F., Chawala K. P., Naik S. R., Vora I. M., Mittal B. V., Acharya V. N., Amyloidosis — A rare complication of Crohn's disease. *J. A. P. I. 35, : 659-660 : 1987.*

17. Mathur S. K., Supe A. N., Parulkar B. G., vora I. M., Naik S. R., Bhalerao R. A., : Evaluation of 3% Phenol as a venous sclerosant. An experimental study. *Ind. J. gastroenterol. 6 : 211-213, 1987.*

18. Mathur S. K., Naik S. R., Supe A. N., Bhalerao R. A., and Vora I. M. A sophageal variceal scherotherapy using 3% phenol in glycerine. *J Postgrad. Med. 33 : 206-212, 1987.*

19. I. M. Vofa, A. S. Joshi, F. P. Candes : Pathological diagnosis colitis cystic profunda, *J. Applied medicine, July 1987.*

20. I. M. Vora, A. S. Joshi : Pathological diagnosis submucosal hemangioma of small intestine. *J. Applied Med. August : 1987.*

DEPARTMENT OF PHARMACOLOGY :

1. Mechanism of Immunostimulating activity of *Asparagus racemosus*.

2. Comparative study of Immunomodulating activity of *Asparagus racemosus*, *Tinospora Cardifolia*, Glucogan and Jithnium.

3. Effect of combination of Nifedipine and magnesium sulfate on paltelet aggregation.

4. Adverse effect in new-born following use of Nifedipine in hypertensive crisis of pregnancy.

5. Effect of *asparagus racemosus* on cold immobiligation stress induced changes in rats.

6. Effect of erythromycin on Polymorphnuclaeer function in healthy volunteers.

7. Evaluation of Immunomodulating activity of *eithania sumnifera*.

8. Dose response studies of *Tinespora Cardifolia* and *Asparagus racemosus*.

9. P. M. N. function in infections.

10. Comparison of Antihypertensive action of slow release and conventional preparations of Nifedipine in hypertensive patients.

CO-author for paper presented at I. P. S. Bangalore :

1. Effect of Cephlexin on P. M. N. functions in healthy volunteers.
2. Quantiation of Gastric muscular damage by a Densitometric Technique.
3. Mechanism of Immunostimulating activity of asparagus recemosus and Tinospora Cardifolia.
4. The effect of Tinospora Cardiofolia in experimentally induced E. Coli infection in mice.

PPPER PUBLISHED :

1. Effect of pectin and kaolin on absorption of trimithoprin and sulphanethoxazole suspension. Ind. J. Clin. Pharmacology, therapeutic and Toxicology, 25, 320-21, 1987.
2. Clinical evaluation of chandonium iodide as muscle relaxant. Ind. J. of med. Res. D. Dasgupta, M. D'SAUZAY, S. J. Shah, K. C. Gupta, R. S. Satoskar.
3. Evaluation of 'Ayurvedic drugs in mental retardation'. Deerghayu International, October 1987. S. S. Nayampalli, B. D. Samant.
4. Integration of Ayurvedic and Homeopathic system with modern medicine — A multidisciplinary perspective. A. B. Varde, P. D. Anjariya, A. B. Samsi, S. R. Naik, S. A. Amladi. therapeutics and drugs. Vol: II, p-5, April — June 1987.
5. Antinflammatory activity of coconut oil extract of Acarus columns, ocimum sactum and ocimum basilicum in rats. Accepted for publication in Indian drugs August 1987.
6. Effect of food on doxycycline absorption. J. Postgraduate med. 1987, 33, 117-119. N. A. Kshirsagar, P. S. Ankalesaria.
7. Sulphadimidine acetylation status in Gujrathi, Marathi population. — N. A. Kshirsagar, S. M. Pohujani, N. R. Takle, V. N. Acharya, R. S. Satoskar.
8. Effect of Iron deficiency anaemia and its treatment on sulphodimidine absorpton Eur. Jr. Clin. pharmacology. N. A. Kshirsagar, Y. S. Saraf, M. R. Takle, M. J. Joshi, R. S. Satoskar.
9. Effect of ascariasis and its treatment on drug absorption. Eur. Jr. Clin. pharmacology.
10. Biological variables in bioavailability, Preceding of I. C. M. R. organised, Indo-U.S. workshop.
11. Anti-cancer drugs — Bombay Hospital Journal 29-57-65 1987.
12. Phagocytosis and chemotactic function of human neutrophils in individuals under going surgery. Ujwala Chavan, S. A. Dahanukar, S. M. Karandikar, A. P. Karapurkar, R. D. Nazari, J. K. Pandya. — Ind. Jr. of Surgeon Vol. 49 No. 1, Jan. 1987.
13. Early gastric vascular damage caused by different noxious agents in rats. U. M. Thatte, Neela Pai, S. A. Dahanukar, S. R. Naik. Ind. Jr. of gastroentrology 1987 vol. 6, No. 3, 137-138.
14. Tridosha coucept in Ayurveda and scientific correlates in modern medicine. S. A. Dahanukar, S. M. Karandikar. Arogya — J. Healthy science 1987 vo. XIII 101-109.
15. Protective effect of Indian Medicinal Plants against cyclophospha mide Neutropenia. U. M. Thatte, Sunita Chhabria, S. M. Karandikar, S. A. Dahanukar. Jr. of Post. med: October 1987 Vol. 23 No. 4.
16. Immunotherapeutics medication of E. Coli induced abdominal sepsis and mortality in mice by Indian Medicinal Plants. U. M. Thatte, Sunita Chhabria, S. M. Karandikar, S. A. Dahanukar, Ind. drugs. 23(3), 1987.
17. Further studies on Clinical trial of B pertussis vaccine as a long lasting anti-diabetic agent. The clinician vol. 51, No. 6, 603-610, 1987, S. Sainapure, Et al. —
18. Hypoglycaemic action of Hamiltonia suaveolens in Jr. of annals of Academy of Indian Medicine, S. S. Ainapure Etal.
19. Treatment of Anaerobic infection, Bombay Hospital Journal. Vol. 29, No. 1, 1987, U. M. Thatte Etal.
20. Drug prescribing in renal failure — Bombay Hospital. Jr. Vol. 29, No. 3, 1987, U. M. Thatte, Etal.
21. Combination therapy of Ca-channal clockers and beta blockers in cardio vascular conditions. S. S. Dalvi, Medical update vol. 2, No. 3-1987.
22. B—lactum antibiotics and B-lactum inhitors. N. A. Manjrekar. Medical update, October 1987, Vol. 2, No. 4.

CLINICAL PHARMACOLOGY UNIT :

Effect of food on doxycycline absorption.

N. A. Kshirsagar, P. Ankalesaria.

J. of Postgrad. Med. (1987) vol. 33 No. 3, 117-119.

—Effect of pectin and kaolin on absorption of trimethoprim and sulfamethoxazole suspension: Ind. J. of Cl. Pharmacology Therapeutic and Toxicology, 25, 320-321, 1987.

K. C. Gupta, N. K. Desai, R. S. Satoskar, C. Gupta, S. N. Goswami.

—Clinical evaluation of chandonium iodide as muscle relaxant.

Ind. J. of Med. Res. Accepted for publication.

D. Dasgupta, M. D'Sauza, S. J. Shah, K. C. Gupta, R. S. Satoskar.

DEPARTMENT OF PHARMACOLOGY & CLINICAL PHARMACOLOGY.

— Effect of food on doxycycline absorption.

— N. A. Kshirsagar, P. Ankalesaria.

J. Of Postgrad. Med. (1987) vol. 33, No. 3, 117-119.

— Effect of pectin and kaolin on absorption of trimethoprim and sulfamethoxazole suspension, Ind. J. of Cl. Pharmacology Therapeutics and Toxicology, 25, 320-321, 1987.

K. C. Gupta, N. K. Desai, R. S. Satoskar, C. Gupta, S. N. Goswami.

—Clinical evaluation of chandonium iodide as muscle relaxant.

Ind. J. of Med. Res. Accepted for publication.

D. Dasgupta, M. D'Sauza, S. J. Shah, K. C. Gupta, R. S. Satoskar.

A P P E N D I X — V I I I**SETH DHURUMAL BAJAJ ORTHOPAEDIC CENTRE & RESEARCH INSTITUTE.****Scientific papers presented at National & International Conference.**

a) Surgical management of scoliosis : Dr. R. S. Dhir, and Dr. S. Y. Bhojraj at MSOA Conf. Goa, Feb. 1987.

b) Interposition bone grafting for non union of humeral shaft fractures — WIROC — Nov. 22nd 1987 — Dr. R. S. Dhir and Dr. S. Y. Bhojraj.

c) Muscle pedicle bone grafting for femoral neck fractures : Dr. R. S. Dhir and Dr. S. Y. Bhojraj at Surgery in the Tropics Conference at Bombay Hospital, Bombay — March, 1987.

d) Hospital infection Seminar (CME Programme) — Dr. R. S. Dhir and Dr. C. G. Pradhan, MSOA, Goa — Feb. 1987.

e) Spinal Osteotomy — Correction of kyphus deformity : Dr. B. R. Patel, at MSOA, Goa, Feb. — 1987.

f) Arthrolysis elbow myositis ossificans — Dr. B. R. Patel, at Gujrat Orth. Association Conference — Rajkot — Jan. 1987.

g) Audiovisual demonstration of total hip replacement surgery in CME programme — Dr. — B. R. Patel at Gujarat Orth. Assn. Conference, Rajkot, Jan. 1987.

h) Vascular Hamartoma — Dr. B. R. Patel — WIROC — Nov. 1987 — Bombay.

i) Spinal tuberculosis — A study of 226 cases — Dr. S. Y. Bhojraj at Royal Orthopaedic Hosp., Birmingham, UK-Feb. 1987.

Robert Jones and Agnes Hunt Hosp., Oswestry, UK.

Royal National Orthopaedic Hosp., London, UK — May 1987.

j) Spinal instability — Evaluation and Treatment — Dr. S. Y. Bhojraj, Bombay Orthopaedic Society PG teaching programme, Juslok Hospital Spet. 1987.

PHYSIOTHERAPY SCHOOL AND CENTRE :**Scientific papers presented at National and International Conference.**

a) Some studies of pain measurement and modification in man. Presented at Third Annual Conference of Indian Society for Pain Research and Therapy, Jaipur, Feb. 1987.

b) Modulation of Pain in Man. Presented at the Second Annual meeting of American Academy of Clinical neurophysiology, Boston, USA, June 1987.

c) Influence of muscle afferents and mechanoreceptor cutaneous inputs on alpha motor neurones during corticospinal drive.

Presented at the International Symposium on Mechanoreceptor. — Development, Structure and Function, Prague, Czechoslovakia, August, 1987.

d) Assessment of pain and its modulation in man.

Presented at the annual meeting of Physiologists and Pharmacologists of India.

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE.**Dr. S. S. Shastri — Lecturer.**

- 1) Participated in National Seminar on Reorientation of Medical Education towards primary Health Care in Sept. 1987 at ALIMs near Delhi.
- 2) Participated in National workshop on UIP sponsored by NILD at T. N. Medical College.
- 3) Health Education for textile mill workers project started in April 1987.

DEPARTMENT OF BIOCHEMISTRY AND NUTRITION.

- 1) Superoxide dismutase, alpha galactosidase and plasminogen activator activity in normal and Duchenna dystrophic muscle. — A. M. Varadkar, K. G. Tanksale and A. D. Desai.
In. J. Clin. Biochem. 2,5-8, 1987.
- 2) Chronic Spinal Muscular Atrophies in India : A study of 83 cases. — A. D. Desai, M.D. Mohire, G. D. Rajani, A. M. Varadkar and A. P. Desai.

WORKSHOP ATTENDED :

Dr. S. J. Chitre and Dr. A. M. Varadkar, Lecturers in this dept. attended Regional Workshop on Immunological techniques in Clinical diagnosis' organised by Govt. Med. College and M/s. Span Diagnostics at Surat from 27th Nov. to 29th Nov. 1987.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY :**Conference attended :**

- International Congress of — European Society of human reproduction UK.
- Guest lecture — University of Rajasthan.
- Guest lecture at Madras.
- Guest lecture at Calicut.

DEPARTMENT OF PATHOLOGY (C. V. T. C. LAB.)**Scientific papers presented at National and International Conferences.**

- 1) Organised Maharashtra Chapter Conference of Indian association of pathologists and microbiologists in September 1987.
- 2) Organised and moderated seminar on "Ling Tumours" in Annual Conference of Indian Association of Pathologists and microbiologists at Hyderabad December 1987. Also chaired the session on cardiovascular pathology at the said conference.
- 3) Presented two papers on cardiovascular pathology in Annual Conference of Indian Association of Pathologists and microbiologists.
 1. Single ventricle — A study of 22 cases.
S. G. Kinare and A. Shivaraman.
 2. Congenital aneurysma of sinus of valsalva. — S. G. Kinare, J. R. Deshpande & Smita Bijur.
4. Presented two teaching seminars on cardiovascular and lung pathology and a lecture on cardiovascular tuberculosis in V. M. Vaishampayan Medical College in Solapur in August 1987.

Papers presented at Conferences/Workshop.

- 1) Conducted lecture — cum demonstration 5th Continuation of Medical Education and Post Graduate course in Pathology. J. N. Medical College, Belgaum, May 1987.
- 2) Ischaemic heart Disease in young adults — Paper presented at the Symposium organised by Atherosclerosis study group.

3) Participated in Histology slide seminar "Tumours of Lung, LAPM conference, Hyderabad 1987.

Papers presented at association of clinical biochemistry of India 13th Conference Patna — 1987.

- 1) Preparation of reference material for high density lipoproteins Abs. (2), 23.
- 2) Preparation of Remazol Brilliant Blue starch complex as substrate for amylase estimation.
Smita Keni, S. P. Taskar. Abs. (2) 19.
- 3) To quantitate compositional changes in HDL fraction in Alcoholics and its correlation with liver enzymes.
Neeta Shenvi and S. P. Taskar. Abs. (3) 44.

Workshop Conducted.

- 1) Organising secretary of symposium on Atherosclerosis Sponsored by Indian Society for Atherosclerosis Research during 25th and 26th September 1987 at G. S. Medical College, Bombay — 400 012.
- 2) Organising Secretary, CMC Programme in Clinical Biochemistry Workshop on "Use of computers in clinical Biochemistry during 26th and 30th 1987.

Sponsored by association of clinical biochemists of India and G. S. Medical College, Bombay — 400 012.

DEPARTMENT OF E. N. T.**Scientific papers presented at National and International conferences.**

- a) Dr. K. L. Shah chaired of 'Endo laryngeals surgery' session at 6th AOC International conference New Delhi in Nov. 1987.
- b) Dr. K. L. Shah gave CME programme 'Laser surgery' at the 39th AOI conference held at Calcutta in Jan. 1987.
- c) Dr. S. B. Ogale presented paper on 'Styloid process on ossicular chain reconstruction' at 6th AOI congress.
- d) Dr. S. B. Ogale chaired Scientific session on Allergic rhinitis at 6th AOI congress.
- e) Dr. M. V. Ingle chaired and participated as Panel member on the subject of 'Stapedectomy state of Art today' at New Delhi in the 6th AOC International Conference held in Nov. 1987.
- f) Dr. M. V. Ingle chaired and conducted panel discussion on 'Stapedotomy as it stands today' at Calcutta in Jan. 1987.
- g) Dr. M. V. Kirtane presented paper on 'Pre-fabricated dentine ossicular prosthesis' at the 6th AOC conference at New Delhi in Nov. 1987.
- h) Dr. M. V. Kirtane moderated the session on 'Recent advance in Vestibular diagnostic' in the AOC conference at New Delhi in Nov. 1987.

DEPARTMENT OF MEDICINE.

Papers presented at International Conference on Rheumatology held at Goa, September 1987.

- 1) 'Cytoprotectinn by Misoproston' Presented by Dr. Chetan Bhatt, Lecturer in Medicine and Dr. G. H. Tilve, Professor of Medicine.
- 2) 'Various antibodies in mixed connective tissue disorders'. Presented by Dr. Jpotsna Kulkarni, Lecturer in Med. and Dr. G. H. Tilve, Professor of Medicine.

Scientific papers presented at National/International Conferences.

Karnad D. R., Tembular, P. Abraham, P. Desai, N K : effect of posture on regional fluid distribution, cardiac output and renal parameters in fluid-retaining states. Indian Society of Gastroenterology: Bhopal, 1987.

DEPARTMENT OF NEPHROLOGY.**Scientific papers presented at National and International Conferences.**

The members of the staff participate the various conferences as follows :-

Dr. V. N. Acharya attended the CME programme jointly organised by the Medical Council of India and Non-resident Indians at the Sher-I- Kashmir Institute of Medical Scientists in July 1987 and talked on 'Increasing Plasmid medicated resistance of urinary pathogens. She was also invited to attend the international conference of Clinical Pharmacology and Therapeutics held in Bombay in December, 1987. and talked on 'Disturbing patterns of sensitivity of urinary pathogens and its relevacée to clinical pharmacology'. Dr. Alan Almeida and Dr. M. R. Merchant — read a paper on 'the Kidney — innocent bystander in rifampicin regimens in the same patients'. Miss Surangi Jadhav, the senior scientific officer attached to the department read a paper on 'Evaluation of Azthreonam — a new monobactam in the treatment of mutiple drug resistant urinary pathogens'.

The members of the staff also attended Joint Annual Conference of the Association of Physicians of India and Indian Society of Nephrology and the following papers were read by the members of the Staff :

- 1) Evaluation of renal allograft function by 99m technicium DTPA and 99m technicium sulphur colloid, Dr. L. H. Suraktal.
- 2) Pattern of ranla amyloidosis as seen in western India — a study of 104 cases. — Dr. H. J. Mehta.
- 3) Hormonal of patients of Chronic renal failure before and after renal transplantation. — Dr. V. N. Acharya.

- 4) Management of complications of Acute renal failure — a symposium. — Dr. Alan Almeida.

The postgraduate students participated in an academic competition arranged jointly by the Bombay Nephrology Group and Western Zone.

Chapter of Indian Society of Nephrology and presented 3 papers :

- 1) Etiopathogenesis and status of hypertension in renal transplant recipients.
- 2) Morbidity and mortality due to infections in Renal allograft recipients.
- 3) Correlating observations of Technicium Sulphur Colloid (99m to SC) renal scan and Renal histopathology in Renal transplant rejections.

DEPARTMENT OF GASTROENTEROLOGY :**Scientific Workshops organised :**

- i) Better Medical communication (writing and speaking) — February 17, 18, 1987.
- ii) Training in Fibreoptic Endoscopy Maintenance : Aug., 1987.
- iii) Endoscopic variceal sclerotherapy — Aug. 8, 1987.

Scientific papers presented at National/International conferences :

- i) First Asian Congress on Anaerobic Bacteria in Health and Disease, Bombay :
 - a) Effect of Lactobacilli on intestinal flora in irritable bowel syndrome.
 - b) Intestinal gas and fecal anaerobic microflora in patients with irritable bowel syndrome.
- ii) Annual Conference, Indian Society of gastroenterology, Bhopal :
 - a) Effect of lactobacilli on jejunal and stool flora and fecal enzyme activity in normal humans.
 - b) Adaptive changes in terminal ileum after total colectomy, Mucosal proctectomy and straight ileo-anal anastomosis in chronic ulcerative colitis.
 - c) A study of 'Young' versus 'old' cirrhotics.
 - d) A study of 'alcoholic' versus 'non-alcoholic'; cirrhotics.
 - e) Dysphagia and oesophageal strictures after endoscopic sclerotherapy.

DEPARTMENT OF HAEMATOLOGY :**(A) Bombay Haematology Group Annual Conference Feb. 1987.**

- a) NAKED EYE SINGLE TUBE RED CELL OSMOTIC FRAGILITY TEST. (NESTROFT)
- b) Beta Thalassaemia Trait with Normal A2 Case report.
- c) Alternative management in Haemophilia.
- d) Diagnostic criteria in detection of Beta Thalassaemia trait.
- e) Beta Thalassaemia trait in Lohana Community.

(B) Sixth Congress of International Society of Haematology — Asian Pacific Division. Dec. 1987.

- a) Immune Response in IDA.
- b) Survey of staff nurses for IDA.
- c) Beta thalassaemia trait in pregnant female.
- d) DDAVP in Haemophilia.
- e) Spectrum of Bleeding disorder in KEM Hospital during last five years.
- f) Effect of different variables on recovery of F VIII in cryoprecipitate.
- g) Quality control of coagulation tests.
- h) Liver function test in Haemophiliacs.
- i) Liver function test in thalassemsias.

DEPARTMENT OF CARDIOLOGY (Unit -II).**Scientific papers presented at National and International conferences :**

- 1) Retrospective study of Open Verses Closed mitral commissurotomy. Annual Joint conference of CSI, October 1987, Dr. P. A. Kale.
- 2) An unusual case of both superior and inferior vena cava obstruction—Presented at 9th Annual Asian Pacific Conference on Cardiology, in Feb. 1987 at Auckland, New Zealand, Dr. P. A. Kale.
- 3) Haemorrhological profile in cases of hypertension published in Clinical hemorheology 1987 : Vol. 7, 767-772.
- 4) Thrombolytic therapy in Acute Myocardial infarction. A prospective controlled study — Presented at CSI conference at Bangalore — 1987 by Dr. H. Kulkarni.
- 5) Clinical profile of myocardial infarction below the age of 30 years — Presented at CSI Conference at Bangalore — 87 by Dr. H. Kulkarni.
- 6) Generalised pulmonary Arterio-venous fistulae — A therapeutic dilemma — Presented at CSI conference at Bangalore — 1987.

DEPARTMENT OF CARDIOLOGY (UNIT — I).**Scientific papers presented at National and International Conferences.**

- " Tenolol in Angina Pectoris".
- " ECGs in congenital heart disease".
- " Asplenia Polysplenia — study of 28 cases "

DEPARTMENT OF UROLOGY.**Scientific papers presented at Conference.**

Four scientific papers were presented at the XXI Annual Conference of the Urological Society of India in Jodhpur on 4-8 October, 1987.

- 1) Experiences with Percutaneous Removal of Urinary Calculi (77 Cases). XXI Annual Conference of Urological Society of India at Jodhpur, 4-8 October, 1987.
- 2) Role of Doppler Ultrasound in the Evaluation of varicocele in Male Infertility, XXI Annual Conference of Urological Society of India at Jodhpur, 4-8 October 1987.

3) Intracavernous Drug induced Erection in the Evaluation and Therapy of Male Erectile Dysfunction. XXI Annual Conference of Urology Society of India at Jodhpur, 4-8 October, 1987.

4) Role of Seminal Bacterial Infections in Male Infertility. 1st Asian congress of Anaerobic Bacteria in Health and Disease. 12-14 Nov. 1987.

DEPARTMENT OF PLASTIC SURGERY.

(1) 11nd International Conference of Surgery in Tropics at Bombay Hospital — 23-26 Feb. 1987.

i) Dr. S. R. Tambwekar presented the following 4 papers :

i) Repair of cleft lip and palate in one stage.

ii) Pseudoarthrosis of femur treated by free Microvascular Fibular graft.

iii) Repair of Radionecrotic ulcer on the left breast by Latissimus Dorsi flap.

iv) Cross forearm transplant in a case of bilateral amputation Dr. K. S. Goleria presented a paper on 'Proptosis' — of the eye' in the Symposium on 'Surgery around the Orbit'.

(2) Work-shop on 'Repair of Cleft Lip and palate at J. J. Hospital 26-27 February 1987.

— Dr. K. S. Goleria demonstrated a case of Repair of Cleft Lip and palate in one stage.

— Dr. S. R. Tambwekar attended the above workshop.

(3) Dr. K. S. Goleria, Dr. S. R. Tambwekar and Dr. R. E. Rana attended the IXth International Congress of Plastic Surgery and Reconstructive surgery — New Delhi. 1-6 March, 1987.

— Dr. K. S. Goleria :

Participated in the panel on 'History of Plastic Surgery' and presented a paper on 'Historical keys to the Development of Plastic and Reconstructive Surgery in India the Middle East and Africa before 1968.

— Was Co-Chairman in 'Free Paper Session' on Craniofacial Surgery.

— Was Co-Chairman at Panel Discussion on 'Reconstructive Cranio Maxillo — Facial Surgery' and presented a paper on 'Cranio-Facial Surgery' Experience in India.

Dr. S. R. Tambwekar :

— Was Co-Chairman in 'Free Paper Session' on Microsurgery.

— Was Secretary at Invitation lecture by Dr. Ian R. Munro — on 'Cranio-Facial Surgery (Techniques and Philosophy)'.
Dr. S. R. Tambwekar, Sr. Uschi Rajgopal and Dr. K. S. Goleria :

Participated in a Free paper Session on 'Congenital Malformation of the Face' and presented a case of 'Congenital Double Mouth' (Tessier Cleft 30) with Tessier 3 Bilateral Cleft of the Upper Lip and Palate with Eye Anomaly — An Unusual Case.

— Dr. Roshani Rana was Secretary at a 'Free Paper Session' on Breast.

DEPARTMENT OF RESPIRATORY MEDICINE & ENVIRONMENTAL POLLUTION RESEARCH CENTRE :

Attendance of Conferences and Seminars in 1987.

1) Delivered a lecture on 'Respiratory effects of air pollution on respiratory metabolism in seminar organised by Birla College and Century Rayon Company on pollution its control and disaster planning on 17-1-1987.

2) Delivered a lecture on 'Indina psyche and its impact on science technology and medicine in G. M. Phadke Memorial Oration organised by Mumbai Marathi Granthasanghalaya on 29-1-1987.

3) Delivered lecture on 'Bhopal — A National Experience' in National Seminar on Industrial Disaster and Environmental Safety organised by Save New Bombay Committee, Vashinagar, on 6-6-1987.

4) Delivered lecture on "Hazardous effects due to pollution particularly in Industry in seminar organised by Nitie Alumni Association, Bombay on 4-7-1987.

5) Delivered lecture on 'Strategy for siting of new projects community heal and international aspects' in seminar on Environmental Impact Assessment — Strategy for siting of new projects organised by Environmental Management Centre, Enviro-Tech. on 28-7-1987.

6) Delivered lecture on 'Status of tuberculosis control in Bombay and role of medical college specialists' at Mayors' seminar on 14-11-1987.

7) Delivered lecture on 'Air Pollution' in seminar on Environmental Pollution : Tasks and Challenges organised by Indian Science Journalists Association on 7-11-1987.

8) Delivered lecture on 'Role of Respiratory Medicine, Department in T. B. Control Programme' in seminar on Urban Tuberculosis control programme organised by G. T. B. Hospital on 14-11-1987.

9) Presented paper on 'Adverse health effects due to chemical accidents and Disaster planning' in Seminar on Disaster Management Control Measures' organised by Bombay Productivity Council on 25-8-1987.

10) Delivered lecture on 'Health management and Industrial disasters' in seminar on Planning Disaster Management organised by Bombay Chamber of Commerce and Industry on 25-8-1987.

11) Delivered lecture on 'toxic effects of some pollutants' in seminar on 'Pollution Monitoring Systems' organised by Institute for Design of Electrical Measuring Instruments on 28-12-1987.

12) Delivered lecture on 'Adverse health effects due to chemical accidents and disaster planning' in seminar on Disaster Management organised by WHO, Govt. of Indian and State of Maharashtra on 17-10-1987.

13) Attended 7th National Conference on Respiratory diseases in Calcutta in Dec. 1987.
Presented 5 papers in conference.

a) role of metronidazole in advanced pulmonary TB for response and drug sensitivity.

b) Experience with intensive respiratory care between 1983-86.

c) Comparative study of clinical and functional parameters in chronic bronchitis collaborative research study in Edinburg and Bombay.

d) Aztreonam in lower respiratory infections.

e) Early results on respiratory morbidity and death rates in relation to ambient and auto-pollution in Bombay.

Took part in 2 discussions and chaired a session in conference.

FOREIGN VISITS OF DR. S. R. KAMAT.

1) Presented a paper on pollution studies at 6th European Thoracic Society, Amsterdam, Holland in Sept. 1987.

2) Taught in British Council's course in Advances in Respiratory Medicine on Occupational Lung diseases in developing countries in Aug. 1987.

3) Participated in World Congress on chemical accidents, at Rome, Italy in July 1987.

DEPARTMENT OF NEUROLOGY.

Visitors :

Dr. N. H. Wadia to take clinic.

Dr. David Dyck from New Castle upon Tyne UK.

Dr. Charles Poser from Beth Israel Hospital, Boston.

Dr. Shah and others from the department worked hard to arrange Painting Competition for the Children with Epilepsy in the G. S. Medical College Lawns. Mr. Suril Dutt M. P. was the Guest of Honour and event was very successful.

DEPARTMENT OF PAEDIATRICS :

Dr. N. B. Kumta :

1) Invited speaker on 'congenital Enzyme Anomalies' on 7th Jan. at the workshop on 'Clinical Enzymology Update' organised at Seth G. S. Medical College by Association of Clinical Biochemists of India, Patna and Seth G. S. Medical College and sponsored by the National Academy of Medical Sciences, New Delhi.

2) Gave a lecture Pediatric problems of Helminthiasis at the symposium on "Heminthiasis" on 31st Jan. at the Tata Instt. of Social Sciences, Deonar by Indian Medical Association (Chembur Branch).

3) Invited speaker on "Advances in Inborn Errors of Metabolism and Disorders" at the seminar on Advances in Neurogenetics on 19th January at J. J. Hospital organised by Dept. of Neurology, J. J. Hospital.

4) Invited as local expert at the district level workshop on quality Reinforcement of Universal Immunisation Coverage through re-education of Pediatricians" on 21st February, sponsored by the Indian Academy of Pediatrics, Govt. of India and the WHO at Palmgrove Hotel, Juhu.

5) Invited speaker on "Inborn Errors of Metabolism, Early Detection, Intervention, Prevention" at the workshop on "The Medical Applications of Genetics" on 24th April at J. J. Hospital organised by General Practitioners' Association jointly with UNICEF CAMHADD, DEPT. of Medical and Psychiatric Social work, J. J. Hospital TISS and Genetic Division, Dept. of Anatomy of J. J. Hospital, Bombay.

6) Gave a talk to General Practitioners of Bhayander on 21st April.

7) Invited Speaker on "Immunization — a weapon against childhood infections" at the Seminar on Immunisation of World Health Day at Seth G. S. Medical College, 7-4-1987.

8) Gave a talk to Pediatricians of the Surat Branch of Indian Academy of Pediatrics on "Inborn errors of metabolism — diagnosis and management.

9) As a faculty member of CME programme at the 'Update on Fetology' delivered a talk on "Clinical Teratology" on 30th August.

10) Invited for Research Committee meeting of Association for Welfare of Mentally Retarded on 8th Sept.

11) Invited speaker on 'Fetal Disease' at the 'Update on Fetology' organised by Bombay Branch, IAP at Wadia Hospital on 20th Sept.

12) Invited speaker at the Symposium "Genetics and the Pediatrician" on 11th October at Madras — delivered a talk on "Metabolic causes of Mental Retardation" — a clinical and laboratory approach.

13) Invited speaker as faculty member at the CME programme XXIV National Conference of the IAP at Madras. Speaker on 'Drugs and the Foetus' and Teratology Theme 'What is new in Pediatrics' on 8th October.

14) Invited speaker at the National Down's syndrome congress at the Institute of Genetics, Hospital for Genetic Diseases, Osmania University, Begumpet, Hyderabad — October.

15) Invited as Chief Panelist at the Seminar on Pediatric Emergencies at Wadia Hospital on 20th Dec., organised by Wadia Hospital.

16) Invited as speaker and faculty member at the CME programme at the 'International Pediatrics Update' at Bangalore from 16th to 18th Dec., 1987 organised by Vani Vilas Children's Hospital, Bangalore where papers were read on:

- 1) Effects of drugs administered to the mother on the foetus.
- 2) Inborn errors of metabolism in the neonate.

WORKSHOP PARTICIPATION :

1) Participated in the Better Medical Communication workshop (writing and speaking) at Seth G. S. Medical College on 17th and 18th Feb. 1987. Organised by British Council.

2) Participated in the Maharashtra Workshop on 'Acute Respiratory Infections in Children' organised by UNICEF, State Health Authorities, Health Dept. of B. M. C. The Indian Academy of Pediatrics, the PSM and Pediatric Dept. of Medical Colleges, Ind. Med. Assoc. at YMCA guest house on 8th March.

3) Participated in the Maharashtra Regional Pediatrics Conference on 'Early diagnosis and intervention of childhood disabilities in clinical practice' on 15th Nov. organised by Bombay Branch of IAP, at Bombay.

Dr. S. F. Irani.

Conferences attended :

- 1) CAMHADD conference at Nairobi — on Low Birth Weight Babies.
- 2) British (U. K.) — A link project on Respiratory problems in newborns.
- 3) Helsinki (Finland) — WHO workshop on Low Birth Weight Babies.
- 4) Chicago (Illinois — USA) — A leadership training programme in Neonatology.

Dr. B. A. Bharucha.

Lectures Delivered.

West zone conference of Indian Academy of Pediatrics hosted by Bombay Branch of IAP — Symposium on "Early Intervention in the Management of Childhood Disabilities". Invited speaker on the subject "Early Diagnosis of Cerebral Palsy" — Nov. 1987.

Dr. M. D. Shah.

Papers read :

Evaluation of Eliza for the mycobacterial tuberculosis specific IgU antibody of CSF in diagnosed cases of TBM and also determine its value in diagnosis on TBM, paper read at XXIV National Conference of Paediatrics, 8th to 11th October 1987, Madras by Mukund-Dole, M. D. Shah.

Dr. M. K. JAIN.

- 1) Attended Madras Conference of IAP 1987 (Oct.).
- 2) Attended IAP regional conference 1987, November at Bombay.

Dr. P. W. Kandoth (Unit — II)

Papers presented : XXIV IAP Conference : Madras.

- 1) Clinical profile of AGN : Typical and Variable.
- ii) Poisoning in Children.

—Attended Update in NEPHROLOGY — Madras, 12th Oct. 1987.

—Dr. J. R. Kamat : Participated in the workshop on 'Recent Advances in Neonatology held at LTMG, BOMBAY from 4th — 18th Feb. 1987.

—Dr. M. K. Joshi : Attended — Update in Oncology — Jan. 1987.

—Dr. P. W. Kandoth : Invited to the following INTERNATIONAL SYMPOSIA :

i) National Symposium : on transfer of technology for control of Rheumatic fever/RHD held by WHO/DCHS/ICMR on 16th and 17th December 1987.

ii) International Symposium : on Current Strategies on Control of RF/RHD at Chandigarh on 19th December 1987.

Paper Presented :

"An Experience with Special Follow-up Clinic — RF/RHD.

—(Study of 500 cases)" by Dr. P. W. Kandoth, Dr. M. K. Joshi, Dr. J. R. Kamat, Dr. K. R. Lahiri.

Dr. P. W. Kandoth —Appointed Member of the working Group for Maharashtra on control of RF/RHD in India.

PARTICIPATED — 'Western Chapter Conference on Nephrology' held on 20th December 1987 at Bombay Hospital, by Dr. J. R. Kamat and Dr. K. R. Lahiri.

Dr. P. W. Kandoth — Acted as An Expert for MPSC Board.

MOLECULAR BIOLOGY DEPARTMENT.

Seminar conducted by the department during the year 1987.

1) Prof. (Mrs.) Leela Joshi : Presented the paper in "National Symposium for control of RF/RHQ and transfer of technology" held at I. C. M. R., New Delhi in December 1987.

2) Mr. M. G. Karmarkar: Presented the paper in National Symposium on Control of RF/RHD held at Postgraduate Institute, Chandigarh in December, 1987.

3) Mr. Sanjeev Saigal : Presented paper in IAMM, Rohtak in October 1987. "Incidence of Arbo-viral encephalitis in Bombay with special reference to Japanese B—encephalitis : a serological surgery".

4) Prof. (Mrs.) Leela Joshi : Presentation in I. A. M. M. at Rohtak in Oct. 1987. "T-typing and S. O. F. detection of B—haemolytic streptococci".

5) Prof. (Mrs.) Leela Joshi : Presented two papers at the 25th Lancefields Symposium : on "Streptococcal Diseases" held at Cologne, FRG : in September, 1987.

(1) T-typing and serum opacity factor detection of group A streptococci.

(2) Evaluation of ASO and Anti DNase B in Non-suppurative streptococcal infections.

Symposium :

1) Dr. M. Carraz, Director, Pasteur Institute, Lyon, delivered 2 lectures on "Recent advances in streptococcal bacteriology and serology" at Seth G. S. M.-College and K. E. M. Hospital, Bombay.

2) A meeting was organised in the Department of Molecular Biology in December 1987 which was attended by workers from Pune, Solapur, Ambejogai, Nagpur and Aurangabad. An attempt was made to understand their difficulties regarding work on "Diagnosis of streptococcal infections" and ways of solving them.

3) The streptococcal laboratory of Molecular Biology Dept. is given recognition by I. C. M. R./W. H. O./D. G. H. S. as "ZONAL LABORATORY" Government has also selected our laboratory as a centre for control of rheumatic fever/rheumatic heart disease in the month of Dec. 1987. This work will expand from July 1988 and we shall cover states like Maharashtra, Karnataka and Gujarat.

4) Pasteur Institute, Paris (France), Celebrated their Century in 1987-88. Only two people from India received their centenary medals and one of them is Prof. (Mrs.) Leela Joshi, Head of Molecular Biology Department.

DEPARTMENT OF SKIN AND V. D. AND LEPROSY.

Scientific papers presented at National and International Conferences.

1) Papers were presented at XVth All India Annual Conferences of India Association of Dermatologists, Venereologists and Leprologists held at Pune — on 9th, 10th and 11th Jan. 1987.

2) Awarded — 1) M. G. M. Gold Medal 2) F. Hand Prize.

3) Paper presented at Annual day of Indian Association of Dermatologist and Leprologists (Maharashtra Branch) held on 8-3-1987 at Palm Grove Hotel Bechets Disease.

DEPARTMENT OF PATHOLOGY.

A. Annual conference of Indian Association of Pathologists and Microbiologists held at Hyderabad, Dec. 1987.

1. Dr. S. G. Kinare. Organised and moderated a seminar on Lung Tumors. Also chaired the session on Cardiovascular Pathology.

2. A. Sivaraman/Dr. S. G. Kinare : Presented a paper "Single Ventricle — A study of 22 cases".

3. Dr. S. Bijur, Dr. J. R. Deshpande, Dr. S. G. Kinare: Presented a paper on Cong. Aneurysm of the Sinus of Valsalva.

4. Dr. Jaya Deshpande participated in the seminar on Lung Tumours.

5. Dr. S. Y. Sane participated in the seminar on Splenic lesions.

B. Maharashtra Chapter Meeting of Indian Association of Pathologists and Microbiologists in Bombay.

This meeting was organised by the Dept. of Pathology. Dr. Mehul Amin and Dr. B. V. Mittal presented a paper "Spectrum of Histological lesions in 185 consecutive prostatic lesions" Awarded second Prize.

C. Other Seminars Workshop etc.

1. Dr. S. G. Kinare : Conducted two teaching seminars on Cardiovascular and lung pathology. Delivered a lecture on cardiovascular tuberculosis in V. M. Vaishampayan Medical College at Solapur Aug. 1987.

2. Dr. A. A. Pandit : Organised a workshop on : Aspiration cytology of Breast and Prostatic gland by Dr. Vaidehi Kanan (USA) in Aug. 1987 at K. E. M. Hospital.

Imparted training to 15 Technicians, the cytology course arranged by Govt. of Maharashtra in July 1987.

3. Dr. B. V. Mittal : Participated in the workshop on histopathology of renal transplantation conducted by Christian Medical College Vellore, Feb. 1987.

4. Dr. J. R. Deshpande : a) Conducted a demonstration of cardiac pathology specimens at the 5th Continuing Medical Education Post-graduate course in Pathology at J. N. Medical College, Belgaun, May — 1987.

b) Participated in the symposium organised by Atherosclerosis study group in Sept. 1987 and delivered a lecture on Ischemic heart disease in children.

DEPARTMENT OF PAEDIATRIC SURGERY :

Scientific papers presented at National and International conferences.

1. Participated in the Surgery Update Programme — N— Delhi and Read a paper on "Reconstructive surgery for high anorectal malformation" by Dr. S. S. Deshmukh.

2. Invited for 1st National workshop on "Paediatric Trauma" — Chandigarh. and read a paper on "Head injury in children" by Dr. (Mrs.) S. S. Deshmukh.

3. Invited for update in Surgery programme at Dhulia and given a lecture by Dr. (Mrs.) S. S. Deshmukh.

4. Participated in the Mid Term Conference of I. A. P. S. — Madras and read the following papers—

1. Long Term follow-up of post urethral valves.

Dr. (Mrs.) S. S. Deshmukh, Dr. S. N. Oak.

2. Management of rectal atresia.

Dr. (Mrs.) S. S. Deshmukh, Dr. R. R. Nathani.

3. Antenatal diagnosis, and its impact in Paediatric surgery. Dr. S. S. Deshmukh, Dr. R. R. Nathani.

4. Participation in the symposium on "Anorectal malformations" at Mid Term Conference of IAPS — Madras.

5. Conducted symposium on "Soft tissue Sarcoma" — Dr. (Mrs.) S. S. Deshmukh at Annual Conference of A. S. I. — Madras.

6. Participated in the symposium "Soft Tissue sarcoma" — Dr. (Miss) R. K. Kulkarni — Annual Conference of A. S. I. — Madras.

7. Dr. U. C. Chakrathy Award : Paper — "Amniotic Membrane in childhood burns" — Dr. Vivek M. Rege at Annual Conference of A. S. I. Dr. V. M. Rege awarded U. C. Chakrathy award during the annual conference of A. S. I. — Madras.

8. Paper presented : Our experience in patency of V. P. Shunt by Dr. R. J. Totla : Annual conference of A. S. I. — Madras.

Dr. R. K. Gandhi, Hon. Professor and Hd. Deptt. of Paediatric Surgery, retired on 31st Jan. 1987. We had been organised "Asian Seminar on Paediatric Oncology at same time and felicitated to Dr. R. K. Gandhi by the doctord from India and abroad.

DR. P. K. SEN DEPT. OF CARDIOVASCULAR & THORACIC SURGERY.

SCIENTIFIC PAPERS PUBLISHED AT NATIONAL AND INTERNATIONAL CONFERENCE BY STAFF MEMBERS.

1. Co-Author — Text Book on Medical Therapeutics by Dr. G. S. Sainani et al, January, 1987.

2. Better Medical Communication Scientific Medical Writing Chairman of Workshop, K. E. M. Hospital, Bombay, 17th Jan. 1987.

3. Art of treatment of coronary artery disease — 2nd International Conf. on surgery in the Tropics, 25th Feb. 1987.

4. Surgical management of mitral stenosis — Experience of nearly 8000 surgically treated patients' Col. Sarigham Lal Memorail Oration delivered at NAMS, New Delhi, 8th Aug. 1987.

5. Atherosclerosis — Clinical, Biochemical, Experimental and Pathological aspects : Indian Society for Atherosclerosis Research 25th Sept., 1987, Bombay (GSMC).

6. "Surgery in high risk patients — Cardiovascular and Thoracic Surgery : Gujrat State, chapter Association of Surgeons of India, Spet., 1987.

7. Surgery in Aortoarteritis : Annual Conf. of CSI and ATCVSI, Banglore, 27th Sept., 1987.

8. Long term survival after valve replacement with special reference to Bioprosthesis : Jt. Annual Conf. CSI and ATCVSI, Banglore, 27th Sept. 1987.

9. Ultrastructural study of Myocardium in patients undergoing cardiopulmonary bypass : Jt. Annual Conf. CSI & ATCVSI, Banglore, 27th Sept., 1987.

10. Right Ventricular Outflow Tract repair using Authogenous Monocusp Pericardial patch : Jt. Annual Conf. CSI & ATCVSI, Banglore, 27th Sept., 1987.

11. Surgical consideration in primary left artial myxomas. Jt. Annual Conf. CSI & ATCVSI, Banglore, 27th Sept., 1987.

12. Open heart surgery in Pregnancy : Jt. Annual Conf. CSI & ATCVSI, Banglore, 27th Sept., 1987.

13. Surgical consideration in mitral restenosis : Jt. Annual Conf. of CSI & ATCVSI, Bangalore, 27th Sept., 1987.
14. Role of Vasodilators during cardiopulmonary bypass : Jt. Annual Conf. of CSI & ATCVSI, Bangalore, 27th Sept., 1987.
15. Open heart surgery in patients with Poor Pulmoary functions : Jt. Annual Conf. of CSI & ATCVSI, Bangalore, 27th Sept. 1987.
16. Surgical management of Mitral valve surgery with mitral stenosis with mild aortic regurgitation : Jt. Annual Conf. of CSI & ATCVSI Bangalore, 27th Sept., 1987.
17. Results of Puig Massana Ring Annuloplasty for mitral regurgitations Jt. Annual Conf. of CSI & ATCVSI, Bangalore, 27th Sept., 1987.
18. Symposium on "Update on Ischaemic Heart Disease" Impact of Modern Treatment of coronary heart disease. National Council of Hypertension and National Society for prevention of heart diseases and rehabilitation API (Bombay Branch) Indian Society of Electro Cardiology, 18th Oct. 1987.
19. Manpower Planning and Training of the Cardiothoracic surgical team. Plenary session : 8th Asian Congress on Thoracic and Cardiovascular Surgery, 30th Oct., 3rd Nov. 1987, Singapore.
20. Open Mitral Valvotomy surgical techniques and follow-up in 1730 consecutive cases treated surgically. 8th Asian Congress on Thoracic and Cardiovascular surgery. 30th Oct., 3rd Nov. Singapore.
21. Results of valve surgery in patients with Massive cardiomegaly. 8th Asian Congress on Thoracic and Cardiovascular surgery, 30th Oct. — 3rd Nov. 1987, Singapore.
22. Surgery for cardiac diseases in Asia-Round table discussion 8th Asian Congress on Thoracic and Cardiovascular Surgery, 30th Oct. 1987 to 3rd Nov. 1987, Singapore.
23. Extracorporeal circulation and cardioplegia — Plenary session 8th Asian Congress of Cardiovascular and Thoracic Surgery, 30th Oct. 3rd Nov. 1987, Singapore.
24. Myocardial protection using asanguineous and sanguineous cardioplegia — Experience with over 5000 clinical cases. 8th Asian Congress on Thoracic and Cardiovascular Surgery, 30th Oct. — 3rd Nov. 1987, Singapore.
25. Coronary Artery Bypass surgery-panel discussion, International Conference on International Cardiology and surgery — December 20-21, 1987, Bombay.
26. Mitral valve surgery — An analysis of over 8000 operated cases International Conference on Cardiovascular Therapy and workshop on advanced Ecocardiography Dec. 25, 1987. Bombay.

DEPARTMENT OF PHAMACOLOGY.

Meetings/Conferences attended by staff members :

DR. S. M. Karandikar :

- 1) Acted as member of the committee for consideration for administration for cytotoxic agents headed by Dr. Jussawalla.
- 2) Attended the Computer Society of India. Annual Conference held at Bombay from 4th to 7th Feb. 1987.
3. Attended the Workshop on Computer applications in Medicine organised by Tata Memorial Centre, Bombay and was invited speaker.
4. Acted as Member of the Sub-Committee of Directors of Languages Govt. of Maharashtra, and completed the work.
5. Attended the Meeting of the Association of Research in Athrosclerosis.
6. Invited as speaker for programme organised by Indian Society for Hospital Administration and Computer Maintenance Corpri. to speak on 'Use of computers in Hospitals.'
7. Acted as Member of Apex Panel for job Evaluation of Bombay Municipal Corp.
8. Invited to be Member of Health Policy Committee of B. M. C.

DR. (Mrs.) K. C. Gupta.

1. Participated in Training Programme in Clinical Pharmacology sponsored by I. C. M. R.
2. Participated in International Conference on Clinical Pharmacology and Therapeutics. Chair person of a session and member of organising committee and also participated in C. M. E. programme arranged on 19th Nov. 1987.
3. Presented paper entitled 'Comparative Clinical evaluation of Chandonium Iodide and pūncurnoium bromide as skeletal muscle relaxant' at International Conference on Clinical Pharmacology and Therapeutics Bombay '87.
4. Attended the annual conference of Pharmacologist of Maharashtra state held in Pune in Aug. 1987 and was co-author of paper entitled 'Effect of experimental fever on plasma concentration of Pentobarbitone and Diazepam'.
5. Co-author of paper entitled 'Comparative effect of centpropazine and imipramine on salivary secretion — papers presented at Bideceanian conference of Indian Pharmacological society held at Bangalore December 1987.

6. Invited to attend and participate in I. C. M. R. meeting for discussing 'Available animal model for studying hepato protective effect of drugs', February, 1987 at C. D. I. R. Lucknow.

7. Elected executive committee member of Indian Society of Clinical Pharmacology and therapeutics for the year 1987.

DR. (MRS.) S. S. NAYAMAPALLI :

1. Delegate and participated at the International Symposium on controlled release dosage forms at college of Pharmacy, Bombay during 30-31 Jan. 1987.

2. Attended and presented paper entitled 'Neuro-Pharmacological and Neuropathological study of M. J. C. P. 816' at Annual Conference of Pharmacologist of Maharashtra at Pune, August — 1987.

3. Presented a paper entitled 'Effect of Gellastrus Panniculatus in animals'. A preliminary report on Neuropharmacological and Neuropathological and Neurochemical study at Bidecenial conference of Indian Pharmacological Society held at Banglore Dec. 1987.

4. Presented a paper entitled 'Evaluation of Ayurvedic drugs in mental retardation'. A preliminary report at International Conference on Clinical Pharmacology and therapeutics held at Bombay, Nov. 1987.

5. Chaired the symposium on 'Peptic ulcer at the Annual I. P. S. conference held at Banglore and co-chair person at one of the prize winning section.

6. Co-chair person at prize winning session on Indigenous drugs coral session 3A at Bedecennial Conference of I. P. S. held at Banglore during, December 21-23 1987.

Dr. (Mrs.) N. A. Kshirsagar :

1. Elected member of executive committee of Clinical Pharmacology and Therapeutic Society.

2. Organised Continuing Medical Education programme and member of Scientific committee of International Conference on Clinical Pharmacology and Therapeutics.

3. Member scientific committee of 1st Asian Congress of Anaerobic bacterial health and disease and chair person at scientific session.

4. Nominated member of Newyork Academy of sciences.

5. Chair person for guest lecture on drugs and nutrition in International Conference on Clinical Pharmacology and Therapeutics Bombay.

6. Invited to participate and present work on

1) Nutrition Immunology and drug response in man at department of Science and Technology, organised workshop on Medical Biology, New Delhi.

2) 'Essential drug concept' symposium on 'Essential drugs' Lucknow.

Invited Lecturer :

1. Clinical Pharmacology in University setting' in plenary symposium on 'Future of Clinical Pharmacology and new drug development in India' at International Conference on Clinical Pharmacology and Therapeutics at Bombay.

2. 'Pharmacology of Loop diuretics' in symposium on 'Fresh look at loop diuretics' Jaslok, Hospital, May 1987.

3. Advances in treatment of anaerobic infections in Conference on Advances in treatment of infection, organised by Indian Society for Clinical Pharmacology and Therapeutics and C & D ward Medical Association, 11, 12th April 1987.

4. 'Drugs and athrosclerosis' Conference on 'Atherosclerosis' Bombay.

8. Presented the paper entitled 'Comparison of antihypertensive action of slow release and conventional preparations of Nifedipicin hypertensive patients' at 12th Annual Conference of Pharmacologists of Maharashtra at Pune.

9) Co-author of paper entitled :

1. Effect of exeperimental fever on plasma level of Phenobarbitone and diazepam at International Conference on Clinical Pharmacology and Therapeutics, Bombay.

2. Comparisum of natihypertensive action of slow and conventional release preparation of Nifedipine.

3: The effect of iron defeciency anaemia and its treatment on Pheny toin Pharmacokinetics.

4. Sulfadoxine pharmacokinetics and acetylation status in Indian Population.

5. Effects of Iron defeciency anaemia and antibiotic exposure on polymorpho-nuclear function.

6. Polymorphonuclear function in new born.

10) Member enquiry committee on 'Mishap dur to wrong drug in paediatric ward.

11. Secretary department development fund.

Dr. (Mrs.) S. A. Dahanukar.

1) Attended the International symposium on 'Controlled released dosage forms at Bombay College of Pharmacy 29-31 Jan. 1987.

2) Attended 2nd International Conference on surgery in Tropics from 22nd to 27th February 1987 and presented the paper entitled 'Efficacy of *Tinospora Cardifolia* against abdominal sepsis induced by caecal ligation in rats'.

3) Attended the workshop on 'Better Medical Communications' at Seth G. S. Medical College, Feb. 1987.

4) Attended the XIIIth Annual Conference of Pharmacologists of Maharashtra at Pune and Co-author for following papers :

1) Further studies on hepatoprotective effect of *Tinospora Cardifolia*:

N. N. Rege, N. K. Desai, S. A. Dahanukar, R. D. Bapat, S. Khubchandani, S. M. Karandikar.

2) Role of chillies in gastric mucosal damage.

U. M. Thatte, Neela Pai, P. B. More, S. M. Karandikar, S. A. Dahanukar.

3) Densitometric evaluation of gastric mucosal damage.

P. B. More, U. M. Thatte, S. M. Karandikar, S. A. Dahanukar.

4) The protective effect of *Tinospora Cardifolia* on experimentally induced infection.

Mala Kulkarni, U. M. Thatte, Sunita Chhabria, S. M. Karandikar, S. A. Dahanukar.

5) P. M. N. functions in various infections.

Jyoti Arya, U. M. Thatte, Mala Kulkarni, S. M. Karandikar, S. A. Dahanukar.

6) Study of influence of antibiotics on P. M. N. function in human volunteers.

Jayashri Mahajan, U. M. Thatte, P. Ankalesaria, S. M. Karandikar, S. A. Dahanukar.

7) A report on interaction between Nifedipine and magnesium sulphate.

R. Chandra, U. M. Thatte, S. A. Dahanukar, S. M. Karandikar.

8) An invitro study of mechanism involved in Nifedipine and magnesium sulphate interaction.

Mona N. Varade, U. M. Thatte, S. M. Karandikar, S. A. Dahanukar.

9) The influence of a racemosus on cold induced stress in rats.

Neela Pai, U. M. Thatte, S. M. Karandikar, S. A. Dahanukar.

10) Biostandardization and dose response studies for plant products.

Sanjivani Malagi, U. M. Thatte, N. N. Rege, S. A. Dahanukar, S. M. Karandikar.

11) Evaluation of macrophage activation by indirect methods.

R. D. Athavale, U. M. Thatte, Mona Varade, S. M. Karandikar, S. A. Dahanukar.

12) Evaluation of immunomodulatory activity of *withania somnifera*.

S. G. Asrani, U. M. Thatte, N. M. Mahajan, S. M. Karandikar, S. A. Dahanukar.

5. Attended the Xth International Congress of Pharmacology Sydney, Australia and presented the paper entitled 'Indian Medicinal Plants as immunomodulators'.

6. Attended the Bidecenial Conference of Indian Pharmacological Society at Bangalore in December 1987 and presented the paper entitled 'Neuroendocrine modulating effects of *Asparagus racemosus*'.

Co-author of following papers presented at the same conference.

1) Effect of Cephalexin on P. M. N. function in health volunteers Jayashri Mahajan, U. M. Thatte, P. Ankalesaria, S. M. Karandikar, S. A. Dahanukar.

2) Quantitation of gastric mucosal damage by a Densitometric technique.

P. B. More, U. M. Thatte, N. K. Desai, S. M. Karandikar, S. A. Dahanukar.

3) Hepato therapeutic effects of *Tinospora Cardifolia*.

S. P. Malagi, N. N. Rege, N. A. Rajwade, N. K. Desai, S. M. Karandikar, S. A. Dahanukar.

4) Mechanism of immunomodulating activity of *Asparagus racemosus* and *Tinospora Cardifolia*.

M. A. Varde, U. M. Thatte, P. M. Ankalesaria, S. M. Karandikar, S. A. Dahanukar.

5) Effect of *Tinospora Cardifolia* in experimental induced E. Coli infection in mice.

M. R. Kulkarni, U. M. Thatte, S. M. Karandikar, S. A. Dahanukar.

6) Mechanism of chilli induced vascular damage.

U. M. Thatte, S. A. Dahanukar.

7) Anti-pyrinel 1/2 a prognostic index on obstructive jaundice.

V. K. Nayak, H. M. Nazarath, N. N. Rege, N. K. Desai, R. D. Bapat, S. A. Dahanukar.

6) Academic invitation :

1) Invited to talk on 'Ayurveda and contemporary scientific thought at School of Ayurveda Adelaide Australia.

2) Invited to talk on Clinical Pharmacological aspects of Toxoplasmosis and related material infections at workshop held at N. W. Maternity Hospital, September 1987.

7) Semiscientific talks on :

- 1) 'Plant medicines' at Mahalaxmi Ladies Club.
- 2) Age related Problems in females — Mahila Vikas Mandal.
- 3) Potential of herbal medicine — Marathi—Vidyan Parishad.

Organisation :

- 1) Organised IXth training programme on Clinical Pharmacology with the help of department staff.
- 2) Member secretary of Ethics Committee.
- 3) Member Library Committee.
- 4) Vice President Cultural department.
- 5) Treasurer Marathi Vangmaya Mandal.

DR. B. D. SAMANT.

- 1) Attended the Annual Conference of Indian Pharmacological Society at Bangalore, December 1987.
- 2) Co-author of paper :
 1. 'Effects of cellastrus palliculetus in animals — Preliminary report on Neuropharmacological and Neuropathological and Neurochemical study' presented at I. P. S. Bangalore 1987.
 2. 'Neuropharmacological and Neuropathological effects of M. J. C. P. 816 presented at Annual Conference of Pharmacologist of Maharashtra, Pune 1987.
 3. 'Evaluation of Ayurvedic drugs in mental retardation a preliminary report' presented at International Conference of Clinical Pharmacology and therapeutics at Bombay 1987.
- 3) Attended course for health administration on 'Hospital and Health administration' conducted by Indian Society for Health administration from September 7th to 12th, 1987 at Jaipur.
- 4) 'Member Secretary' Hospital administration Cell.

Dr. (Mrs.) S. S. Dalvi.

- 1) Attended National workshop on Clinical Pharmacology at Chandigarh from 3rd — 13th March 1987.
- 2) Presented paper entitled 'Effect of P. M. Oil on gastric emptying in volunteer and patients with dyspepsia.

Dr. (Mrs.) N. A. Manjrekar :

- 1) Participated in International symposium on controlled release dosage forms at college of Pharmacy, Kalina, Jan. 1987.

Dr. P. M. Nadkarni.

- 1) Organising committee member for Better medical communication workshop held at G. S. Medical College, Feb. 1987.
- 2) Organised the workshop on computer training for Pharmacology faculty at 'International Conference of clinical Pharmacology and Therapeutics held at Bombay 1987.

Dr. S. C. Chaudhary :

- 1) Participated in 'Better Medical Communication workshop' sponsored by British Council held at G. S. Medical College in Feb. 1987 at Bombay.

Dr. (Mrs.) N. N. Rege :

- 1) Participated in International symposium on controlled release dosage form at College of Pharmacy, Kalina, Jan. 1987.
- 2) Attended the 'Better Medical Communication' workshop at G. S. Medical College, Bombay 1987.
- 3) Attended XIIIth Annual Conference of Pharmacologists of Maharashtra, Aug. 1987 at Pune and presented a paper entitled 'Further studies on Hepatoprotective effects of Tinospora Cardiofolia.'

Co-author of paper :

- 1) 'Biostandardization and dose response studies for plant products' presented at XIIIth Annual Conference of Pharmacologist of Maharashtra.
- 2) Antipyrine 1/2 a prognostic index for obstructive jaundice presented at I. P. S. Bangalore '1987.
- 3) Hepatoprotective effect of Tinospora Cardiofolia presented at I. P. S. Bangalore '1987.

Dr. (Mrs.) U. M. Thatte :

- 1) Attended the Bombay Medical Congress at Bombay and presented the paper entitled 'Interaction between Nifedipine and Indomethacin'.
2. Attended Seminar on (Computer in medicine) at TATA Memorial Hospital, Feb. 1987.
3. Lecture on cephalosporins — A Pharmacologists view point at a symposium on cephalosporins organised by Hoechst.
4. Attended the Bidecennial Conference of Indian Pharmacologist Society at Bangalore and presented paper entitled 'Mechanism of chilli induced gastric vascular damage and protection effects of drugs' and was awarded the 'Achari prize for the same'.
5. Attended XIIIth Annual Conference of Pharmacologists of Maharashtra held at Pune and presented paper entitled 'Influence of chillies on gastric mucosal damage in rats' which was awarded 3rd prize.

Dr. (Mrs.) R. S. Chandra :

1. Attended and participated in XIIIth Annual Conference of Pharmacologist of Maharashtra held at Pune.
2. Attended International Conference of Clinical Pharmacology and Therapeutic held at Bombay in 1987.

Paper Presented :

- 1) Presented a paper, entitled 'Adverse effects in new borns following use of Nifedipine in Hypertensive crises of pregnancy in XIIIth Annual Conference of Pharmacologist of Maharashtra held at Pune which was awarded 1st prize.

CLINICAL PHARMACOLOGY UNIT.**Paper presentation at Conference:**

- Effect of centropazine and imipramine on salivary secretion in normal volunteers.
N. K. Desai, K. C. Gupta, R. S. Satoskar.
- Antipyrine test a prognostic index for obstructive joundice.
V. K. Nayak, H. M. Nazarath, N. N. Rege, N. K. Desai, R. D. Bapat, S. A. Dahanukar.
I. P. S. Baglore.
- Effect of experimental fever on plasma levels of pentobribitone and diazepam.
A. A. Naikwadi, K. C. Gupta, N. A. Kshirsagar, N. K. Desai.
- Further studies on medhanism of action of Tinospora Cardifolia.
N. N. Rege, N. K. Desai, S. Khubchandani, R. D. Bapat, S. M. Karandikar, S. A. Dahanukar.
VIIIth Annual Conference of Pharmacologists of Maharashtra 1987.
- Hepatotherapeutic effect of Tinispora Cardifolia.
S. P. Malagi, N. N. Rege, N. A. Rahwade, N. K. Desai, S. M. Karandikar, S. A. Dahanukar.
Becennial Conference Indian Pharmacological Society at Bangalore in Dec. 1987.
- Mechanism of immunostimulating activity of Asparagus Recemosus.
M. D. Athwale, U. M. Thatte, M. Varade, P. Ankleshwaria, S. M. Karandikar, S. A. Dahanukar.
Annual Conference of Pharmacologists of Maharashtra Pune 1987.
- Effect of erythromycin of polymothonuclear function in healthy volunteers. — J. Mahajan, U. M. Thatte, P. Anklesaria, S. M. Karandikar, S. A. Dahanukar — Annual Conference of Pharmacologists of Maharashtra Pune, 1987.
- Mechanism of immunostimulating activity of asparagus recemosus and Tinospora Cardiofolia.
M. A. Varade, U. M. Thatte, P. S. Ankleshwaria, S. M. Karandikar, S. A. Dahanukar —Bidecennial Conference of IPS at Bangalore' 1987.
- Adverse effects in newborns following use of Nifedipine in hypertensive crisis of pregnancy. — R. C. Chandra, S. P. Irani.
U. M. Thatte, S. M. Karandikar, S. A. Dahanukar, 1st prize. Papers presented at the XIIIth Annual Conference of Pharmacologist of Maharashtra, 1987.
- Influence of chillies on the gastric mucosal barrier in rats.
U. M. Thatte, N. R. Pai, S. M. Karandikar, S. R. Naik, S. A. Dahanukar. 3rd prize, XIIIth Annual Conference of Pharmacologist of Maharashtra — 1987.

CLINICAL PHARMACOLOGY UNIT 'CDRI' (DRUG TRIAL).**Paper presentation at Conference :**

- Effect of centropazine and imipramine on salivary secretion in normal volunteers.
N. K. Desai, K. C. Gupta, R. S. Satoskar.
- Antipyrine test a prognostic index for obstructive jaundice.
V. K. Nayak, H. M. Nazarath, N. N. Rege, N. K. Desai, R. S. Bapat, S. A. Dahanukar.
I. P. S. Banglore — 1987.
- Effect of experimental fever on plasma levels of pentobarbitone and diaxapam.
A. A. Naikwadi, K. C. Gupta, N. A. Kshirsagar, N. K. Desai.
- Further studies on mechanism of action of *Tinospora Cordifolia*.
N. N. Rege, N. K. Desai, S. Khubchandani, R. D. Bapat, S. M. Karandikar, S. A. Dahanukar.
VIIIth Annual Conference of Pharmacologists of Maharashtra 1987.
- Hepatotherapeutic effect of *Tinospora Cardiofolia*.
S. P. Malagi, N. N. Rege, N. A. Rajwadem N. K. Desai.
S. A. Dahanukar, S. M. Karandikar.
- Centennial Conference Indian Pharmacological Society at Bangalore in December 1987.
- Mechanism of immunostimulating activity of *Asparagus Recemosus* M. D. Athwale, U. M. Thatte, M. Varade, P. Anklesaria, S. M. Karandikar, S. A. Dahanukar.
Annual Conference of Pharmacologists of Maharashtra, Pune 1987.
- Effect of erythromycine on poly, orphonuclear function in healthy volunteers — J. Mahajan, U. M. Thatte, P. Ankleswaria, S. A. Dahanukar, S. M. Karandikar, —Annual Conference of Pharmacologists of Maharashtra, Pune 1987.
- Mechanism of immunostimulating activity of *asparagus recemosus* and *Tinospora Cardiofolia*.
M. A. Varde, U. M. Thatte, P. S. Ankleswaria, S. M. Karandikar, S. A. Dahanukar — Bidecennial Conference of IPS at Bangalore 1987.
- Adverse effects in newborns following use of Nifedipine in hypertensive crisis of pregnancy. —R. S. Chandra, S. P. Irani, U. M. Thatte, S. M. Karandikar, S. A. Dahanukar, 1st prize.
- Papers presented at the XIIIth Annual Conference of Pharmacologists of Maharashtra 1987.
- Influence of chillies on the gastric muscosal barrier in rats.
U. M. Thatte, N. R. Pai, S. M. Karandikar, S. R. Naik, S. A. Dahanukar 3rd prize, XIIIth Annual Conference of Pharmacologist of Maharashtra — 1987.

DEPARTMENT OF MICROBIOLOGY.**Scientific papers presented at National & International Conferences.**

First Asian Congress on Anaerobic Bacteria in Health and Diseases from No. 12-14, 1987 and a Pre-congress Workshop on Anaerobic Bacteriology from Nov. 10 to 11, 1987. Six papers were presented at the same.

1. Effect of lactobacillin in intestinal flora in irritable bowel syndrome — S. R. Naik, Ajita Mehta, N. G. Nair, A. M. Varadkar, P. Abraham, S. T. Plumber, D. H. Pipalia, V. N. Acharya.
2. Intestinal gas and faecal anaerobic microflora in patients with irritable bowel syndrome — Neena Kochar, Ajita Mehta, P. Abraham, S. T. Plumber, D. H. Pipalia, S. R. Naik, Rajan Bhatt.
3. Incidence of *Campylobacter jejuni* in diarrhoeal cases.
— Sangeeta Vora, Ajita Mehta, Rajan Bhatt.
4. Antimicrobial susceptibility of clinical isolates of non-clostridial anaerobic bacteria — K. Narayam, R. Bhatkande, S. C. Shah.
5. In vitro evaluation of the antimicrobial activity of cefotazime against aerobic and anaerobic bacterial.
Amala Pinto, Sangeeta Vora, C. V. Shett, Ajita Mehta.
6. Susceptibility patterns of clinical isolates to clavulanate potentiated amoxycillin —
Latha Phutane, K. Narayam, Ajita Mehta.

Dr. G. G. Bhave attended the meeting on 'AIDS' at NICD — Delhi from 16th to 20th Nov. 1987.

Dr. Ajita Mehta attended 'Monoclonal antibodies Hybridoma Technology' workshop at Delhi in March 1987.

DEPARTMENT OF PHYSIOLOGY.**Research Publications and other academic activities.**

I) Dr. Mrs. A. Tripathi has published one research paper in the 1987-88. Mack G. W., Shri H. Nose. A. Tripathi and E. R. Nadel. Diminished baroreflex control of forearm vascular resistance in physically fit humans.

J. Appl. Physiol. 63 : 105-110, 1987.

II) Dr. S. J. Kashalikar — (1) Two lectures on Integrated medical education to the teaching staff members and students of Ayurvedic Medical College, Sawantwadi in August 1987.

(2) Article for PTI accepted for publication. "Past, Present and future of Physiology in India".

(3) Article accepted for publication by Alkem Lab. Journal. Significance of Physiological consideration in the study of Tuberculosis.

(4) Attended and actively participated in First National Workshop in Medical Education (Physiology) at All India Institute of Medical Science, New Delhi. I gave a speech in Panel discussion, December 14th to 16th 1987.

(5) A common denominator in the pathogenesis of bronchial Asthma accepted for publication in "Medical Hypotheses" editor David Horobin (Nova Scotia — Canada).

(6) "An explanation for the development of discussion in the central nervous system". Accepted for publication in "Medical Hypotheses" (Nova-Scotia — Canada).

(7) Active member of Library Committee.

(8) In July 1987 Completed the fellowship of the One year's duration awarded by ECFMG and was honoured with luncheon and a certificate of distinction and received the home institution award of £ 2,500/- and host institution award of £ 3,500/-.

(9) A lecture for the staff members of Seth G. S. Medical College and KEM Hospital on "some impressions about the teaching of Medical subjects in general and physiology in particular in Medical University of South Carolina, Charleston SC, USA on 21-11-1987" Dr. Mrs. Anjali Joshi — In Jan. 1987, she delivered 4 lectures on Nutrition on All India Radio Bombay. She conducted seminar on Nutrition at Vada (Dist — Thana) in Jan. 1987.

The seminar was organised by All India Radio Bombay.

Dr. I. S. Painta attended and actively participated in First National workshop in Medical Education (Physiol.) at AIIMS, New Delhi from 14th to 16th Dec. 1987.

APPENDIX — IX**PHYSIOTHERAPY SCHOOL AND CENTRE.**

Important achievements of the staff and the Department during the year.

a) Prof. Manik Shahani was awarded Purkinje Medal at the Charles University, Prague, Czechoslovakia, in Aug. 1987, in recognition of his contribution to science at the international level. Along with him, five other distinguished scientists from UK, USA, France, USSR were awarded the medal. This is the 200th Birth Anniversary of Prof. Purkyne.

b) Prof. Shahani was invited by the International Foundation in Japan to be one of the nominators to nominate scientists for International Award, recently instituted on the lines of Noble Prize.

c) Prof. Shahani was invited to present his original research work at the IBRO Satellite Symposium on Mechanoreceptors Development, Structure, and Function, held in Prague, Czechoslovakia, in August 1987.

d) Prof. Shahani was invited to deliver lectures and present his research at the Queens University, Canada, in Aug. 1987.

e) Prof. Shahani was invited to Chair a session and present his research work at the Second Annual Meeting of American Academy of Clinical Neurophysiology, in Boston, U. S. A. in June, 1987.

f) Delivered an Invitation Lecture at the Institute of Physiology Prague, Czechoslovakia, in June, 1987.

g) Prof. Shahani was invited to give a lecture on Pain at the Annual Conference of A. P. I. at Indore, November — 1987.

h) Prof. Shahani was invited to present his research work at the Third Annual Conference on Pain at Jaipur, Feb. 1987.

i) Miss D. H. Dastoor, continues to be the convenor of International Desk of Indian Association of Physiotherapists.

j) Miss G. D. Capadia passed the First Degree Black Belt examination of the Okinawan Maibukan Goju Ryu Karate do Association in June, 1987.

k) Mrs. Suchita Kulkarni, Mrs. Savita Ravindra, Ms. Arundhati Mehta, Mr. Vikas Rajadhyaksh were recognised as Post Graduate Teachers for M. Sc. Physiotherapy by the University of Bombay in 1987.

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE.**Achievements during the year 1987.**

- 1) Started on new programme of Health Education in Seventeen Textile mills covering a population of 30,000 (approx) by way of Health Promoter Scheme.
- 2) Was felicitated on Foundation Day of 1987 of our college.
- 3) Was nominated and participated in National Workshop on Immunisation by W. H. O/Govt. of India.
- 4) Nominated and participated in Western zone workshop on communication strategy for S. T. D. & Aids organised by Unicef Govt. of India.
- 5) Was selected chairman of the sub committee for communication in control of S. T. D. and Aids in Maharashtra state committee for control of S. T. D.
- 6) Selected on Bombay University's Committee for recognition of Post graduate teachers in P. S. M.

DEPARTMENT OF BIOCHEMISTRY & NUTRITION.**Research Projects :**

- 1) Isoelectric focussing of CSF proteins in various neurological disorders.
- 2) Urinary Nitrate, Vit. C and urobilinogen in urinary tract infections.
- 3) B—galactosidase and B—glucuronidase activities in stools of patients with Irritable Bowel Syndrome (In collaboration with deptt. of Gastroenterology).
- 4) The minimum effective dose of tetanus immunoglobulin (TIC).
- 5) "Biochemical estimations of some Biogenic Amines in Mental Retardation".
- 6) Salt Consumption pattern in different parts of India. ICMR project.

SETH DHURMAL BAJAJ ORTHOPAEDIC CENTRE & RESEARCH INSTITUTE.

- a) Dr. L. N. Vora, Hon. Prof. Orth. Surgery :
 - Attended course on "Pelvis and Acetabular Fractures" at Toronto.
 - Attended Vth combined meeting of Association of English speaking Orthopaedic Surgeons at Washington, BC.
 - Attended XIIIth Congress of SICOT at Munich, Germany.
- b) Dr. M. N. Shahane, Hon. Prof. Orth. Surgery :
 - Attended VIIIth Combined Meeting of Orthopaedic Association of English Speaking World at Washington — 3rd to 8th May, 1987.
 - Attended University of California Hospital, Los Angeles for observing functional treatment of fractures and micro-discectomy techniques in spinal surgery (3 months).
- c) Dr. Shekhar Y. Bhojraj, Lecture in Orthopaedics attended.
 - Recent trends in spinal surgery — CME Programme held in Mottingham UK, Feb. 25th to 27th 1987.
 - Scoliosis — Principles before practices (CME programme). Leeds, UK—March 19th and 20th, 1987.
 - Scoliosis —Principles before practices (CME programme). Leeds, UK—March 19th and 20th, 1987.
 - Annual scientific Meeting of the British Scoliosis Society Leeds, UK—21st, 22nd March 1987.
 - Visited the following centres in the United Kindom as a clinical Observer in Spinal surgery (Total duration 4 months).
 - Prof. R. B. Duthi, Nuffield Orth. Centre, Oxford.
 - Prof. H. Pgott, Royal Orth. Hosp., Birmingham.
 - Prof. Dickson, St. Hames Hosp., Leeds, U. K.
 - Prof. B. T. O'conor and Mr. S. Eisental, Robert Jones and Agnes Hunt Hosp. Oswestry, U. K.
 - Mr. M. J. McMaster Princess Margarettee Rose Hosp., Edinburgh, Scotland.
 - Mr. R. W. Forester, Doncaster, UK.
 - Prof. George Bently, Royal National Orth. Hosp., London.
 - Mr. John P. O'brien, London Clinic, UK.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY.**Dr. I. N. Hinduja's Unit :****Research Project.**

- In-Vitro fertilization and embryo transfer.
- Gamete intrafallopian transfer.
- Egg Donation.
- Ultra structure of Gametes.
- Steroid hormones and Stress hormones in follicular fluid.
- Inhibin localization in corpus luteum.
- Anti Progesterone action in endometrium and corpus luteum.
- Abdomino perineal approach for radical hysterectomy with lymphadenectomy for Ca Cervix.
- Methods for detection of ovulation.

Dr. Usha R. Krishna.**Title of Research Projects.**

- Role of chlamydia and Toxoplasma infections.
- Ru-486—antiprogesterone compound for menstrual induction (ICMR).
- Emcredil plus sulprostone for 2nd trimester (ICMR).
- Return of Fertility Studies (ICMR).
- Failure of Femal Sterilisation (ICMR).
- Endometrial Aspiration studies.
- Qualitative Evaluation of PHC (ICMR).
- Anti Beta HCG Vaccine Studies (ICMR).
- PID related to IUCD.
- Perinatal Infections (ICMR).
- PG AI Study for severe eclampsia (ICMR).
- Established the ICMR Regional Centre Qualitative Evaluation Study for Primary Health Centres.
- Improvement in the working of G. O. R. C. to some extent.

DR. S. V. Parulekar.**Important Achievements :**

- Two scientific books were published in the year 1987.
- Practical Gynaecology and obstetrics.
- First Aid 1987.

DEPARTMENT OF PATHOLOGY : (C. V. T. C.)

- 1) Studies in high density lipoprotein composition.
- 2) Studies in transport & synthesis of cholesterol.
- 3) Studies in membrane glycosphingolipids in cancer patients.
- 4) Studies in creatine kinase & alpha, antitrypsin in patients undergoing open heart surgery.
- 5) Studies in PMN in RHD patients.
- 6) Apolipoproteins as biochemical markers of Cardiac Risk.
- 7) Role of Apolipoproteins E & B as risk factors in atherosclerosis.
- 8) Immunoregulatory effects of VLDL in patients suffering from Diabetes.
- 9) Altered lipid status in cancer cells.
- 10) Effect of propranolol & acebutolol in hypertensive patients & IHD.
- 11) Study of Serum cholesterol binding reserve in ischaemic heart patients.
- 12) Lipid profile & angiography of relatives of patients suffering with AMI.
- 13) Screening of population for coronary heart disease.
- 14) Detection & identification of alloantiserum directed against newer HLA Loci & Lymphocyte.
- 15) Evaluation of the role of anti-cardiac antibodies in diagnosis & prognosis of Rheumatic heart diseases.
- 16) Immunologic profile in post-operative cardiac cases.
- 17) Estimation of serum immunoglobulins & complement levels in patients with respiratory diseases.

- 18) Identification of specific cardiac antigens components by biochemical methods.
- 19) Estimation of alpha 1—antitrypsin as a diagnostic marker ulcerative colitis.
- 20) Detection of Rosette Inhibition factor (RIF) in serum from Tuberculosis patients.
- 21) In utero immunization of foetus by Tetanus toxoid imm. of the mother.

DEPARTMENT OF E. N. T.

Important Achievements :

- i) Conducted the following workshops in :—
 - Xth Temporal Bone Microsurgery workshop.
 - Vth Vidian Nerve Cautey workshop.
 - Vth Neurotology workshop.
- ii) Endoscopic Sinus Surgery by Dr. Stemburger, Austria.
- iii) Dr. S. B. Ogale, Professor returned fro U.K. after completing one year training in Inner Ear Diseases on Commonwealth Fellowship.

DEPARTMENT OF NEPHROLOGY.

Important achievements :

Dr. Alan Almeida has been awarded a fellowship in Nephrology by the University of Missouri, Columbia University for a period of 1 year and he proposes to go on this fellowship in July 1988.

DEPARTMENT OF X GASTROENTEROLOGY.

Important achievements :

Awards : The first four candidates trained in the Department appeared for the Diplimate of the National Board examinations in Gastroenterology. Three of them (Dr. P. Abraham, Dr. S. T. Plumber, & Dr. A. B. Pimparkar) were successful, while one (Dr. K. C. Kokal) did not pass the examination.

Dr. P. Abraham was nominated for the Commonwealth Medical Fellowship, 1988.

DR. J. C. PATEL DEPARTMENT OF HAEMATOLOGY :

Important achievements :

- 1) Post graduate student Mr. M. V. Kamath was awarded with M. Sc. degree in Applied biology (by research) by Bombay University under the guidance of Dr. B. C. Mehta.
- 2) Five staff members had attended post congress workshop on Quality control in Haematology.

DEPARTMENT OF CARDIOLOGY (Unit—1).

Important Activities :

Cardiological Society of India, Bombay Branch functioning for the year 1987—88. Organized three Scientific Meetings subjects on Modern Cardiology—discussed by speakers of national and international reputation. Felicitation to staff members and residents on Founday Day—

- 1) Dr. L. S. Shah as Secretary General—Cardiological Society of India, Bombay Branch.
- 2) Dr. S. F. Padaria—Best Resident of the Dept. of Medicine.
- 3) Dr. S. A. Merchant—Ranking first in M. D. (Med.) Exam.

DEPARTMENT OF NEUROLOGY :

Dr. (Mrs.) P. U. Shah has tried to bring promise for the substantial donation to make neuro intensive care unit for Neurology and Neurosurgery patients and Dr. S. K. Pandya along with Dr. Shah has spent time to plan it out.

DEPARTMENT OF PAEDIATRICS.

Special events :

- 1) Dr. John Mobsyde, Pediatric Pulmonologist from Rochester, N. Y., U. S. A. visits the department and delivers lecture on 'Ribovarine in treatment of infantile RSV infections', January 1987.
- 2) Dr. Margaret McBryde, Pediatric Neurologist, Rochester, NY, USA, visits the department to deliver a lecture on 'Advances in management of childhood epilepsy' — January 1987.
- 3) Dr. R. P. Warriar, Associate Professor of Pediatrics, of LSU Medical Centre, New Orleans, USA visits the department and delivered lecture on 'Coagulation disorders in children' October 1987.
- 4) Dr. I. B. Sardharwalla, Director, Willink Biochemical Genetics, Unit Manchester, UK, delivers the Dr. M. P. Bhagar Oration for the year 1987, sponsored by Research Society, KEM Hospital. Subject of oration — 'Galactosemia' — November 1987.

5) National & International Recognitions for Research & Academics :

a) Commonwealth Association for Mental Handicap & Developmental Disabilities (CAMHADD) sponsors research project in KEM Hospital under Dr. S. F. Irani on 'Follow-up of Low Birth Weight Babies' — Pre-pilot study completed in first half of 1987.

b) Indian Academy of Pediatrics appoints Dr. N. B. Kumta as Convener for 3 years for newly created 'Genetics Chapter' of I. A. P.

DR. N. B. KUMTA (Unit—I).

Examinarship :

- 1) Convener of MNAMS Examinations of the National Board of Exams. Delhi from 7th to 9th November at the Seth G. S. Medical College.
- 2) Convener of the FCPS Clinical Practical Examination of the College of Physicians & Surgeons, Bombay on 3rd October, 87.
- 3) Board Member for selection of candidate for enrolment D. M. Exam.

Dr. S. F. Irani.

Academic :

Institutional regular weekly meeting/case presentation/seminar for postgraduate students.

Dr. M. D. Shah (Unit—II).

Academic Activities :

- 1) Worked as a convener for the National Respiratory chapter of Indian Academy of Paediatrics.
- 2) Elected as a president of the National Respiratory Chapter of IAP for the years 1987—1991.
- 3) Elected as a member of the Executive Board of IAP for the year 1988.

DEPARTMENT OF PATHOLOGY :

Research Projects :

- 1) **Dr. A. P. Desai :** a) Immunohistochemical study of medulloblastoma with reference to their differentiating potential.
b) Studies of Ageing brains in Indians with reference to incidence of cerebral Amyloid angiopathy and Alzhrimers disease.
c) In collaboration with Pharmacolgy Dept. Study of Neuropathological and neurochemical aspects of anticonvalrant action of various ayurvedic plant products.
- 2) **Dr. I. M. Vora :** In collaboration with Gastroenterology group Efficacy of Misoprostol in upper gastrointestinal lesions in arthretic patients on Non—steroidal anti-inflammatory drugs—An Indian Experience.
- 3) **Dr. A. A. Pandit :** detection of Chlamydia trichomatis Immunofluorescence methods in cervical smears.
- 4) **Dr. B. V. Mittal :** Immunofluorescence studies in kidney biopsied in cases of nephrotic syndrome. Fine needle aspiration cytology in cases of renal transplant rejection.
- 5) **Dr. Jaya Deshpande :** Paraffin embedding fixation of Heart specimens.

Other important achievements :

- 1) Dr. A. P. Desai visited the Massachusetts General Hospital, Boston, U. S. A. as a Research Fellow for 6 months (April, October—1987) for advanced training in Neuropathology. Had delivered lectures on "Pathology of Tuberculous meningitis" and recent advances in Neuropathology.
- 2) Dr. V. Ray visited Sweeden regarding the establishment of Blood Traction plant at KEM Hospital.

DR. P. K. SEN DEPT. OF CARDIOVASCULAR & THORACIC SURGERY.

Research Papers :

- 1) Surgical repair of Dextrocardia with Tetralogy of Fallot. Indian Heart Journal, May—June 1987—Vol. 39, No. 3.
- 2) Ultrastructural study of Myocardium in patients undergoing cardiopulmonary bypass—Indian Heart Journal, Abstract issue Vol. 48, No. 11.
- 3) Right Ventricular Outflow Tract repair using Autogenous Monocusp Pericardial patch—Indian Heart Journal, Abstract issue, Vol. 48, No. 11.
- 4) Surgical consideration in primary left atrial myxomas —Indian heart Journal, Abstract issue, Vol. 48, No. 11.
- 5) Open heart surgery in pregnancy : Indian Heart Journal, Abstract issue, Vol. 48, No. 11.
- 6) Surgical consideration in mitral restenosis : Indian Heart Journal, Abstract issue, Vol. 48, No. 11.
- 7) Role of Vasodilators during Cardiopulmonary bypass : Indian Heart Journal, Abstract issue : Vol. 48, No. 11.
- 8) Open Heart surgery in patients with Poor Pulmonary functions : Indian Heart Journal, Abstract issue : Vol. 48, No. 11.
- 9) Surgical management of mitral valve surgery with mitral stenosis with mild aortic regurgitation. Indian Heart Journal. Abstract issue : Vol. 48, No. 11.
- 10) Results of Puig Massana Ring Annuloplasty for mitral regurgitation : Indian Heart Journal, Abstract issue. Vol. 48, No. 11.

Important achievements :

- 1) Lead the medical delegation from India to Soviet Union, under the INDO—USSR Plan of co-operation.
- 2) Delivered the Key note address at the 8th Asian Congress on Cardiovascular and Thoracic Surgery held at Singapore.
- 3) Appoint member of the Academic Committee of Institute of Postgraduate Medical Education and Research, Chandigarh.
- 4) Appointed as Member of the Academic Council, Faculty of Medicine and Senate, University of Bombay.
- 5) Delivered Dr. Sangham Lal Oration of National Academy of Medical Science.
- 6) Dr. P. N. Wahi Oration of Indian Association for Advancement of Medical Education.
- 7) Elected President of the International Congress of International Union of Angiology 1988.
- 8) Appointed by W. H. O. Geneva, as Advisor and Consultant on Cardiovascular Diseases.

DEPARTMENT OF PHARMACOLOGY.**Prizes and Awards :**

- 1) PhD Bombay University 1987.
- 2) First prize of XIIIth Annual Conference of Pharmacologist of Maharashtra 1987 on paper entitled 'Adverse effect in new borns following use of Nifedipine in hypertensive crisis of pregnancy.
R. S. Chandra, S. F. Irani, U. M. Thatte, S. M. Karandikar, S. A. Dahanukar.
- 3) Third prize at the same conference for a paper on 'Influence of chilli on the gastric mucosal barrier in rats.
U. M. Thatte, N. R. Pai, S. M. Karandikar, S. R. Naik, S. A. Dahanukar.
- 4) Awarded Achari prize for paper entitled 'Mechanism of chilli induced gastric vascular damage and protective effects of drugs' U. M. Thatte, N. R. Pai, S. M. Karandikar, S. R. Naik, S. A. Dahanukar, at I. P. S. Banglor 1987.

CLINICAL PHARMACOLOGY UNIT :**Research projects on C. D. R. I. compounds :**

- 1) Centibutindole pharmacokinetics normal human volunteers.
- 2) Tolerability and Antibody titres of cholera vaccine in adult male volunteers.
- 3) Phase I B studies of coleonal.
- 4) Effect of Gugulipid on pletemet fuction and Rheological properties in Hyperlipidemic patients.
- 5) Comparative clinical evaluation of chandonium iodide and pancuronium bromide as muscle relaxants.

Academic Projects.

- 1) Effect of pepermint oil on gastric emptying in normal volunteers and patients of dyspepsia.
- 2) Effect of B Blockers and Nifedipine on platelet aggregation when administered alone and in combination.
- 3) Antipyrene $t_{1/2}$ in patients undergoing surgery.
- 4) Study of effect of spiceson gastric mucosa.
- 5) Influence of lithium carbonate on Immuno functions.
- 6) Project on evaluation of bost defence in various clinical Conditions in collaboration with different units.

Ongoing Projects.

- 1) Evaluation biochemical parameters in rats insulted with heterologus serum and chilli.
- 2) Role of iron in platelet aggregation.
- 3) Effect of antihypertensive drug combinations on platelet function in patients of hypertension.
- 4) Platelet aggregation in peripheral vascular disease.
- 5) Study of platelet function and response to ASA in patients with myocardial infraction.
- 6) Antipyrene $t_{1/2}$ as prediction of outcome of surgery on patients with obstractive joundice.
- 7) Effect of Tinospora Cardifolla on the course of cirrhosis of liver.
- 8) Platelet lipid chemistry in myocardial infarction.
- 9) Role of platelet biogenic amines in patients of asthma.

CLINICAL PHARMACOLOGY UNIT 'CDRI' DRUG TRIAL.**Academic Projects :**

- 1) Effect of peppermint oil on gastric emptying in normal volunteers and patients of dyspepsia.
- 2) Effect of B-blockers and nifedipine on platelet aggregation when administered alone and in combination.
- 3) Antipyrine $t_{1/2}$ in patients undergoing surgery.
- 4) Study of effect of spices on gastric mucosa.
- 5) Influence of lithium carbonate on immune functions.
- 6) Project on evaluation of host defence in various clinical conditions in collaborates with different units.

ONGOING PROJECTS :

- 1) Evaluation of biochemical parameters in rats insulted with heterologous serum an chilli.
- 2) Effect of antihypertensive drug combinations on platelet function in patients of hypertension.
- 3) Role of iron in platelet aggregation.
- 4) Platelet aggregation in peripheral vascular disease.
- 5) Study of platelet function and response to ASA in patients with myocardial infarction.
- 6) Antipyrine $t_{1/2}$ as prediction of outcome of surgery on patients with obstruction jaundice.
- 7) Effect of tinospora cardiofolia on the course of cirrhosis of liver.
- 8) Platelet lipid chemistry in myocardial infarction.
- 9) Role of platelet biogenic amines in patients of asthma.

DEPARTMENT OF MICROBIOLOGY.**Projects : 1987-88.****Titles of Research Projects :**

Diagnosis of Tuberculosis by antigen detection using ELISA Technique. Diagnosis of Amoebiasis by antigen detection using ELISA Technique. Study of Immunological profile before and after surgery and its correlation with development of post-operative sepsis started in 1986 October and still continuing.

Effect of heat-killed vaccine on Gram-ve bacilli in peritonitis. Bacterial colonisation of cervix in IUCD users, its infections complications and the role of metronidazole prophylaxis. Cefotaxime in vitro.

Augmentin in vivo and vitro with Dr. Kamat.

Lactobacillin acidophiles in Irritable bowel.

Study of fungal infection in immuno-deficient patients.

Incidence of P. P. N. G. strains in gonocci isolated from cases of Gonorrhoea.

Etadil Trial continued (serum concentration levels studied bacteriologically).

Double blind comparative efficacy and safety of diproject versus Betnovate-N. ointment in bacterially infected dermatosis.

Bacteriological and fungal studies in washing from sinusitis cases. A study of fimbriae in E. Coli isolated from urinary tract infection.

DEPARTMENT OF PHYSIOLOGY.**EXTRA CURRICULAR ACTIVITIES .**

1) Dr. S. G. Kashalikar wrote — 1) A book on seasonal diseases written in Marathi in association with Dr. K. P. Kulkarni.

2) A book on positive health promotion in Marathi for general readership.

3) Authored a Medical Science fiction Novel entitled, 'GINIPIG' in association with Mr. Laxman Londhe in Marathi.

4) Secured 3rd rank in Running competition organised by the India Association of the Greater Charleston SC USA in April 1987.

5) Speech in Lions Club at Sawantwadi on 'My impression in USA and the National Integration' in August 1987.

6) Authored a book based on the impressions in the USA.

7) Felicitated by an Educational Institute Named DNYANADHARA EDUCATION INSTITUTE for extraordinary achievements in the scientific, educational and literary field.

Shri S. Y. Chhatre and Shri S. B. Wandre have participated actively during Annual and Ganpati Festival of Seth G. S. Medical College and K. E. M. Hospital.

APPENDIX — X

No. of Operations performed in the Cardiac Vascular and Thoracic Operation Theatre :—

OPEN HEART OPERATIONS :

| | |
|---|-----|
| 1) Coronary Bypass Graft. | 33 |
| 2) Repair of rupture Sinus of Valsalva. | 1 |
| 3) AV Canal Repair. | 1 |
| 4) IC repair of Total Anomalous Pulm. Venous Connection. | 3 |
| 5) Senning's operation for transposition of great arteries. | 2 |
| 6) Total correction of TOF. | 53 |
| 7) Open Mitral Valcotomy. | 201 |
| 8) Mitral Valve replacement. | 143 |
| 9) MV reconstruction. | 14 |
| 10) Aortic valve replacement. | 46 |
| 11) Double valve replacement. | 24 |
| 12) AP Window. | 1 |
| 13) Aortic root widening. | 5 |
| 14) Open Tricuspid Valvotomy. | 1 |
| 15) Pulm. Valvotomy. | 11 |
| 16) ASD Closure. | 101 |
| 17) VSD Closure. | 49 |
| 18) Total Open Hearts. | 699 |

CLOSED HEART OPERATIONS:

| | |
|----------------------------------|-----|
| 19) Closedmitral commissurotomy. | 352 |
| 20) Embolectomy. | 57 |
| 21) PDA. | 69 |
| 22) B. T. Shunt. | 32 |
| 23) Reexploration. | 65 |
| 24) Resuturing. | 3 |
| 25) Thymectomy. | 4 |
| 26) AV fistula. | 36 |
| 27) Cervical Sympathectomy. | 1 |
| 28) Fontan's Operation. | 1 |
| 29) Pacemaker implantation. | 11 |
| 30) Cervical rib. | 5 |
| 31) Lung. | 45 |
| 32) Myxoma. | 4 |
| 33) Vericose Vein. | 1 |
| 34) Vascular operations. | 15 |
| 35) Arch aneurysm. | 17 |
| 36) Pericardiectomy. | 14 |
| 37) Mediastinal mass. | 6 |
| 38) Coarctation of aorta. | 14 |
| 39) Diphragmatic hernia. | 1 |
| 40) Total Closed hearts. | 753 |

APPENDIX - XI

| Sr. No. | Description of Activity. | Unit of O.P.D. | Measurement Indoor. | Actual 1986-87 patients. | Budget Estimates 1987-88 Patients. | Revised Budget Estimates 1987-88 Patients. | Budget Estimates 1988-89 Patients. |
|---------|--------------------------------|----------------|---------------------|--------------------------|------------------------------------|--|------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. | Medical Department. | 37 | 103 | 45,592 | 48,000 | 50,250 | 50,500 |
| 2. | Surgical. | 27 | 70 | 31,510 | 34,000 | 34,000 | 36,000 |
| 3. | Obst. & Gynase. | 25 | 45 | 23,179 | 26,000 | 28,053 | 30,000 |
| 4. | Paediatric Med. & Surg. | 15 | 31 | 15,374 | 17,000 | 18,750 | 19,250 |
| 5. | Premature Baby Ward | 1 | — | 332 | 500 | 500 | 600 |
| 6. | Radiology. | — | 666 | 2,03,285 | 2,50,000 | 2,66,725 | 2,75,000 |
| 7. | Path & Boct. | — | 1,569 | 4,78,662 | 4,90,000 | 4,78,000 | 4,95,500 |
| 8. | Casualty. | — | 220 | 80,467 | 88,000 | 80,845 | 90,000 |
| 9. | E. N. T. | 6 | 48 | 17,687 | 20,000 | 20,959 | 22,000 |
| 10. | Orthopaedic. | 12 | 99 | 35,457 | 37,000 | 38,600 | 39,500 |
| 11. | Ophthalmic. | 6 | 50 | 17,576 | 19,000 | 22,000 | 24,000 |
| 12. | Skin & Ven. | 1 | 81 | 17,272 | 20,000 | 18,967 | 21,000 |
| 13. | Gastroenterology. | 1 | 17 | 1,152 | 1,500 | 850 | 1,200 |
| 14. | Neurology | 1 | 21 | 2,512 | 3,000 | 2,560 | 3,000 |
| 15. | Urology. | 2 | 22 | 1,608 | 1,800 | 2,125 | 2,300 |
| 16. | Blood Bank (Denors) | — | 69 | 21,138 | 23,000 | 19,500 | 25,500 |
| 17. | Speech Department. | — | — | — | — | — | — |
| 18. | Psychiatric Deptt. | 5 | 21 | 8,465 | 10,000 | 7,500 | 9,500 |
| 19. | Biochemistry Deptt. | — | 1,314 | 4,00,840 | 4,70,000 | 4,26,409 | 4,72,000 |
| 20. | Pharmacy Deptt. | — | 354 | 1,08,081 | 3,95,000 | 3,70,450 | 3,96,000 |
| 21. | Dental Clinic. | — | 24 | 7,596 | 10,000 | 7,550 | 9,000 |
| 22. | Neuro Surgery. | 2 | 7 | 2,643 | 4,000 | 3,325 | 4,000 |
| 23. | Plastic Surgery. | 2 | 14 | 1,308 | 1,600 | 1,750 | 2,000 |
| 24. | Thoracic Surg. | 3 | 29 | 3,883 | 4,200 | 4,500 | 4,600 |
| 25. | Cardiology. | 3 | 45 | 5,485 | 6,000 | 6,225 | 7,000 |
| 26. | Asthma. | — | — | — | — | — | — |
| 27. | Disbetic. | — | — | — | — | — | — |
| 28. | Haematology. | 1 | 1 | 268 | 600 | 1,025 | 1,100 |
| 29. | Div. of End. & Metb. Disorder. | 1 | 11 | 2,878 | 3,200 | 3,225 | 3,500 |
| 30. | A. K. D. | — | — | — | — | — | — |
| 31. | Dispensary. | — | — | — | — | — | — |
| 32. | Epilepsy Clinic. | — | 29 | 1,648 | 2,000 | 1,525 | 2,000 |
| 33. | Chest Clinic. | 2 | 25 | 2,982 | 3,500 | 3,225 | 4,000 |
| 34. | Arthritis Clinic. | — | 7 | 338 | 6,000 | 400 | 700 |
| 35. | Vasoular Clinic. | — | — | — | — | — | — |
| 36. | Immunization centre. | — | 11 | 2,102 | 3,000 | 2,550 | 3,500 |
| 37. | Observation of T. B. Cases. | — | — | — | — | — | — |
| 38. | Occupational Therapy. | — | 81 | 24,839 | 30,000 | 18,550 | 30,000 |
| 39. | Physio Therapy. | — | 67 | 20,631 | 24,000 | 6,450 | 8,000 |
| 40. | Sports Clinic. | — | 1 | 559 | 600 | 600 | 750 |
| 41. | Drug Trial. | 1 | — | 118 | 400 | 70 | 300 |
| 42. | Dog Bite. | — | 22 | 6,823 | 9,000 | 6,550 | 9,000 |
| 43. | Sexology. | — | 9 | 427 | 600 | 640 | 750 |
| 44. | Audiology Department. | — | — | — | — | — | — |

Reflected in E. N. T. Department.

Reflected in Chest Department.

Reflected in Endocrinology Department.

Reflected in Medicine Department.

Reflected in Thoracic Department.

Reflected in Medicine Department.

Statement showing the operations performed in this hospital during the year 1987.

| Sr. No. | Name of the Theatre. | Total No. of Operations. | |
|---------------|----------------------|--------------------------|--------|
| | | Major | Minor. |
| 1. | J. M. T. | 1,366 | 928 |
| 2. | E. M. O. T. | 969 | 3,251 |
| 3. | Minor Surgery. | 4 | 13,345 |
| 4. | Plastic Surgery. | 720 | 1,172 |
| 5. | E. N. T. | 1,525 | 939 |
| 6. | Neuro Surgery. | 778 | 235 |
| 7. | Ophthalmic. | 2,038 | 1,094 |
| 8. | O. B. O. T. | 2,656 | 1,311 |
| 9. | Gynaec. | 938 | 83 |
| 10. | Urology. | 628 | 2,961 |
| 11. | A. K. D. | 2,508 | 744 |
| 12. | R. O. C. O. T. | 1,147 | 0,772 |
| 13. | E. O. C. O. T. | 835 | 3,321 |
| 14. | C. V. T. C. | 1,284 | 107 |
| 15. | Paed. O. T. | 1,443 | 2,797 |
| Grand Total : | | 18,839 | 33,058 |

Statement showing the names of O. P. D.s conducted at this hospital during the year 1987.

1. Medical.
2. Surgical.
3. Ophthalmic.
4. Gynaec.
5. Obst.
6. Dental.
7. Skin.
8. Aural.
9. Orthopaedic (New Patients).
10. Orthopaedic (Old Patients).
11. Psychiatric.
12. Neuro-surgery.
13. Neurology.
14. Epilepsy.
15. Paed. Medical.
16. Paed. Chest Clinic.
17. Paed. G. I. Clinic.
18. Paed. Rheumatology.
19. Paed. Nephrology.
20. Genetic Clinic.
21. Paed. Surgery.
22. Diabetic Clinic.
23. Endocrinology.
24. Well Baby Clinic.
25. Plastic Surgery.
26. Renal Clinic (Nephrology).
27. Geriatric Clinic.
28. G. I. Clinic.
29. Urology Clinic.

30. Andrology Clinic.
31. Urinary Stone Clinic.
32. Puberty & Growth Clinic.
33. Tumour Clinic.
34. Sexual Medicine.
35. Anti-Rabic Clinic.
36. Hemophilia.
37. Leukemia.
38. Thalassemia.
39. Cardio-vascular & Thoracic Surgery.
40. Cardio-vascular Follow-up OPD.
41. Cardiology.
42. Congenital Heart Disease.
43. Tuberculosis & Respiratory disease Clinic.
44. Pneumoconiosis Clinic.
45. Sports Clinic.
46. Arthritis Clinic.
47. Anesthesia.
48. Pain Clinic.
49. Accupuncture Clinic.
50. Fire Brigade Clinic.
51. School Clinic.
52. Hansen's Clinic. (Leprosy Clinic).
53. Deaddiction Clinic.
54. Anorectal Clinic.
55. S. T. D. Clinic.
56. AID's Clinic.
57. Spine Clinic.
58. Paed. Urology Clinic.
59. Arthrology Clinic.
60. Integrated Medicine Clinic.
61. Neonatology Clinic.
62. Renal Transplant Clinic.
63. Renal Diabetic.

**BAL YAMUNABAI L. NAIR CHARITABLE HOSPITAL
&
TOPIWALA NATIONAL MEDICAL COLLEGE.**

HIGH LIGHT :—**Hospitals :—**

| | |
|---|-----------------|
| 1. Total expenditure including liabilities. | Rs. 6,67,26,733 |
| 2. Donation received. | Rs. 4,10,335 |
| 3. Amount collected from boxes. | Rs. 32,298 |

Indoor Patients :—

| | |
|---|------------|
| Beds ... 870 In-patients. | 33878 |
| Daily average number of In-patients. | 751.62 |
| Highest number of Admission on a single day | 155 |
| Highest number of Inpatients on a single day. | 945 |
| Number of patients discharged during the year including 813 brought from the previous year. | 34691 |
| Cured. | 17030 |
| Otherwise: | 11298 |
| Average stay of patient. | 8.07 days |
| Average cost per in-patient | Rs. 139.84 |
| Average cost per out-patient. | Rs. 20.80 |

Deaths :—

| | |
|---|------|
| Within 24 hours of admission | 615 |
| After 24 hours but within 72 hours of admission | 213 |
| Exceeding 3 days. | 1031 |

Total : 1859

Operations :—

| | |
|------------------|-------|
| Indoor patients. | 15032 |
|------------------|-------|

Autopsies :—

| | |
|-------------------|------|
| Post Mortem done. | 1018 |
|-------------------|------|

Deliveries :—

| | |
|--------------------------------------|--------------|
| 1. Confinements. | 2520 |
| 2. Deliveries. | 1910 |
| 3. Maternal deaths. | 1 |
| 4. Medical termination of pregnancy. | 715 |
| 5. Sterilization (Female). | 451 |
| 6. Sterilization (Male). | 12 |
| 7. Baby deaths. | 36 |
| | Full term 73 |
| | Premature 73 |
| 8. Baby still-births. | 32 |
| | Full term 32 |
| | Premature 32 |

Out Patient Department :—

| | |
|---|----------|
| 1. O. P. D. New Attendance. | 1,82,458 |
| 2. O. P. D. Old Attendance. | 6,92,786 |
| 3. Daily average O. P. D. new attendance. | 602.17 |
| 4. Casualty attendance. | 20,454 |
| 5. Daily O. P. D. Attendance (Old + New). | 8,75,244 |
| 6. Highest No. of attendance on single day. | 3,496 |

Court Cases Attended by R. M. Os. :—

| | |
|-----------------------------------|-----|
| 1. Presidency Magistrate's Court. | 700 |
| 2. Session Court. | 170 |
| 3. Motor Accident Tribunal. | 90 |

**STATEMENT SHOWING THE COMPARATIVE
FIGURES FROM THE YEAR 1984 TO 1987 :-**

| Average Annual Patients | 1984-85 | | 1985-86 | | 1986-87 | | 1987-88 | |
|-----------------------------------|---------|----|-----------|----|-----------|----|-----------|----|
| Total O. P. D. | 878689 | | 926231 | | 951454 | | 692786 | |
| New O. P. D. | 171717 | | 181095 | | 188355 | | 182458 | |
| Total Casualty Attendance. | 18588 | | 19784 | | 20082 | | 20454 | |
| Total admissions. | 33884 | | 35956 | | 37357 | | 33878 | |
| Beds sanctioned. | 850 | | 850 | | 870 | | 870 | |
| Average Daily Occupancy. | 105.34 | | 98.49 | | 93.33 | | 75.81 | |
| Average Daily Admissions. | 92.83 | | 98.50 | | 102.34 | | 92.81 | |
| Average Inpatients Stay. | 10 days | | 9.50 days | | 8.93 days | | 8.07 days | |
| Expenditure : | Rs. | P. | Rs. | P. | Rs. | P. | Rs. | P. |
| Inpatients : Establishment. | 38.60 | | 39.03 | | 42.30 | | 98.91 | |
| O.P.D. : Establishment. | 10.25 | | 10.65 | | 12.35 | | 15.50 | |
| Drugs & Medicine : | | | | | | | | |
| Inpatients. | 26.18 | | 22.07 | | 22.92 | | 21.26 | |
| O.P.D. | 3.17 | | 2.66 | | 3.00 | | 3.33 | |
| Diet : Inpatients. | 5.77 | | 6.08 | | 6.41 | | 7.12 | |
| Repairs : Inpatients | 6.22 | | 6.86 | | 7.25 | | 9.96 | |
| O.P.D. | 0.65 | | 0.75 | | 1.05 | | 1.56 | |
| Store : Inpatients | 6.35 | | 6.00 | | 6.65 | | 2.59 | |
| O.P.D. | 2.65 | | 2.50 | | 2.80 | | 0.41 | |
| Average Cost per patient : | | | | | | | | |
| Inpatients. | 83.12 | | 85.53 | | 79.78 | | 139.84 | |
| O.P.D. | 16.72 | | 18.56 | | 19.20 | | 20.80 | |

Paying Bed Scheme :-

The paying bed scheme has started functioning from 18th July 1977 in the Side Section of Ward 17 for female patients and Ward 20 and 21 for male patients. 307 patients had taken the advantage of the paying beds during the year 1986.

Intensive Paediatric Care Unit :-

An Intensive Paediatric Care Unit started functioning from 1st August 1977 in a special and separate section of the Paediatric Ward. The Intensive Paediatric Care Unit admit acutely ill children in need of continuous observation. It is equipped with all the monitoring and resuscitative equipment. A Registrar and a Staff Nurse are posted for round the clock duty. Mortality rate has been declining after the commissioning of this specialised unit. During the year 1986, 274 children were admitted in the unit.

Medical Acute Care Unit :-

The Department of Medicine established a separate Medical Acute Care Unit with 12 beds which started functioning from March 1978 onwards. These beds are housed in a single ward with pooled in equipment which includes respirators, E. C. G. Machine, X-ray Unit etc. All the critically sick patients are isolated in this section and observed under the supervision of trained staff. Medical and Nursing, round the clock service is provided with post-graduate qualified doctors in attendance. 628 patients were treated in this section.

**B. Y. L. NAIR CHARITABLE HOSPITAL
AND
TOPIWALA NATIONAL MEDICAL COLLEGE**

Administrative Staff :-

Dean :

Dr. Pragne M. Pai, M. D., D. Ch.

Assistant Dean :

Dr. P. G. Hirewadani, M. B. B. S., M. R. S. H. (Eng.),

F. I. C. A. (U. S. A.).

Sr. Assistant Medical Officer :

Dr. N. Dixit, M. D. D. G. O.

SCOPE OF ACTIVITIES :

The hospital has been progressively expanding to include various new specialities. The hospital has well established department of General Medicine, General Surgery, Obstetrics and Gynecology, Psychiatry, Paediatrics, Anaesthesiology, Anstomy, E. N. T., Orthopaedic, Radiology, Tuberculosis, Ophthalmology, Dermatology and Venereology. There are also the specialised Departments of Cardiology, Cardio Thoracic Surgery, Neuro-Surgery, Plastic Surgery, Genitourinary Surgery, Nephrology, Gastroenterology (Medical and Surgical), Haematology, Endocrinology, Rheumatology and Collagen Diseases, Neonatology, Paediatric Surgery, Head & Neck Surgery and the department of Neuroscience which is approved by W. H. O. for research and training in stroke and tropical diseases. Besides this, special out-patient clinics are being conducted in the hospital, namely Thyroid, Renal, Diabetes, Premature and New Born Care, Hypertension, Asthma, Abortion, High Risk Pregnancy, Sterility, Glaucome and Squints, Anaesthesia Assesment and a School Clinic.

Special units for hospital patients have been developed like Intensive Care Units (Medical and Surgical for Cardiac patients) and Medical Acute Care Unit. Also there is an Intensive Paediatric Care Unit (I.P.C.U.). There is a special Planning Centre and a most modern Speech Therapy and Audiology Clinic and a training school affiliated to the University of Bombay and probably the only one of its kind in India. There are also well established departments of Pharmacy, Physiotherapy, Occupational Therypy, Social Service and Medical Records.

The hospital has an immunisation centre and growth and development clinic established by the Department of Preventive and Social Medicine and has also carried but several health educational programme in the community and have developed several audiovisuals and sound slide shows on various aspects of health are regularly screened in the slums of the city.

The hospital has an eye bank and blood bank which functions on voluntary donations of blood by relative of patients and members of the public.

Expansion Programme :

Expansion of hospital is in process and a new two storey building has been occupied. It will house all Out-patients' Departments, Speciality and Superspeciality clinics, Blood Bank, Dispensary, Pharmacy, Isotope Unit, Artificial Kidney Unit, Cardiac Catheterisation Laboratory with I.C.C.U. and Casualty Department with an attached Trauma Ward. The space thus vacated by shifting of these activities will be utilised for having additional beds for superspecialities which have not yet got Municipal Commissioner — I recognition due to want of beds.

DEPARTMENT OF ANATOMY :

Following activities have been started :—

- (a) New pattern of dissection programme with the undergraduate study.
- (b) Setting up a laboratory for work in clinical Genetics which is under process.
- (c) Preparation and use thermocole and magnetic board for teaching.

BLOOD BANK :

Proposed new activities : H.L.A. typing in Diabetic patients (Project).

ENDOCRINOLOGY DEPARTMENT :

New O. P. D. to follow-up patients with growth disorders has been started from October 1987.

Seminar on Growth Retardation organised by the department on 20th February 1988, sponsored by the Nair Golden Jubilee Research Foundation.

MICROBIOLOGY DEPARTMENT :

Dr. (Mrs.) P. K. Murti, Prof. & Head of the department is recognised as a Ph. D. guide in Microbiology by the University of Bombay and she has already registered three students for the said course.

'Sperm Selection Procedure for IVF/IUI combination of Bacteriological and Physiological techniques' by Sumedha Sahni. This paper bagged the 1st prize for the best paper when presented at 1st Chapter conference of the Maharashtra Obst. and Gynaec. Societies on 1st November 1987, at Pune.

Dr. (Mrs.) P. K. Murti has attended the World Conference of Association of Clinical Pathologist Washington D. C. U. S. A. in June 1987.

DEPARTMENT OF ANAESTHESIOLOGY :

Critical Care Conference — Ball-Indonesia Dr. V. M. Divekar (a) Acute Medical Care in India, September 1987.

Developmental Activities :

Multidisciplinary Pain Clinic for chronic pain with Neurosurgeons, Psychiatrists and Physiotherapists.

AUDIOLOGY AND SPEECH THERAPY SCHOOL :

To commemorate the Silver Jubilee Year August 1987-August 1988 Audiology and Speech Therapy School with the financial support provided by the Nair Golden Jubilee Research Foundation organised a "Seminar on Stuttering" in August 1987.

As a part of Silver Jubilee Celebration the department hosted the XX Annual ISHA Conference at B. Y. L. Nair Hospital from 7th — 9th February 1988. Around 250 delegates attended the conference. Three foreign dignitaries viz., Dr. Jack Katz and Dr. Handerson from U. S. A. and Dr. (Mrs.) Hildman from West Germany participated in the conference.

DEPARTMENT OF CARDIOLOGY :

The department organised International Conference on Interventional Cardiology and Surgery under the auspices of Nair Golden Jubilee Research Foundation on December 20 and 21, 1987 at Hotel Oberoi Towers followed by a Workshop in Cardiac Cath. Lab. from December 22 to December 25, 1987 with the help of foreign experts.

The department had already started Aortic and Pulmonary Balloon Valvotomies in 1986-87. This year the department started performing coronary angioplasty and Mitral balloon valvotomy also. The department is one of the leading centres for interventional cardiology in the country.

E. N. T. DEPARTMENT :

The following course was organised during the year 1987 :—

— 3rd advanced course in Microsurgery of the ear, parotid gland conducted by Dr. N. L. Hiranandani, Dr. A. G. Púsalkar, Dr. D. Plester, Dr. Helmés, Dr. Hildmann and Dr. Steinbach from 18th to 21st November 1987.

DEPARTMENT OF FORENSIC SCIENCE :

Dr. (Mrs.) Vasudha V. Apte, Prof. & Head of the Department was awarded L. L. B. (Gen.) DEGREE of University of Bombay, in the convocation held in January 1988. She is elected a Vice-President of I. A. F. M.

GASTROENTEROLOGY DEPARTMENT :

The department of Gastroenterology is the only recognised department for training D. M. in Gastroenterology in the state of Maharashtra. It has at present 4 D. M. students under training.

GENERAL SURGERY DEPARTMENT :

Dr. S. T. Chaudhry, Professor, visited Urology Department of Inst. Urology, London, U. K. and Mass. General Hospital Boston U. S. A. Laser in Urology on going projects with research society Nair Hospital.

LIBRARY DEPARTMENT :

This department have about 33,000 books and 16,000 Bound Volumes of Medical Periodicals. This department subscribes to over 290 Foreign Periodicals. This department add about 900 books annually. This department have about 34 department Libraries to look after the needs of the individual departments. Library services caters to 3000 regular members including undergraduate and post graduate students, Residential doctors, Scientific Officers, Nurses, Physicians, Research Assistants and other Paramedical Staff.

MEDICAL RECORD DEPARTMENT :

This hospital has got a good Medical Record Department on the lines of the W. H. O.'s International Classification Diseases, Operations, injuries and cause of death. This helps the post graduate students in their dissertation.

The department also looks after the work of registering donors who wish to donate their bodies after death for dissection purpose.

DEPARTMENT OF NEUROSURGERY :

An oration on 'Brain Malignancies' was delivered by Dr. U. S. Vengsarkar, Hon. Prof. & Head of Department for I. M. A. (Nagpur) on 10th April 1988.

DEPARTMENT OF OBST. & GYNAEC. :

Dr. M. Y. Rawal, Prof. and Head of Obst. & Gynaec. was awarded Dr. V. G. Patel oration at Baroda.

DEPARTMENT OF ORTHOPAEDICS :

The following projects have been started :—

1. Posterior-lumbar Interbody fusion with segmental fixation in selected and indicated cases.
2. Total hip replacement ; uncemented Isoelastic total hip joints.
3. A new technique of fixation of fracture has been developed at this hospital of interfragmental compression with intramedullary nailing.

OCCUPATIONAL THERAPY DEPARTMENT :

The Occupational Therapy Department of this Institution is under expansion whereas several sections like Day Care Unit cum Sheltered Workshop, Splint Section, Printing Unit have been functioning and expanding alongwith regular treatment of Occupational Therapy in various fields of Medicine to the benefit of indoor and outdoor patients of this institution.

Occupational Therapy Department of this institution is recognised for post graduate course in the subject by the University of Bombay. Last year one of our student secured as 1st rank in the university for M. Sc. (O.T.).

DEPARTMENT OF PLASTIC SURGERY :

The Microvascular Surgery both experimental and research projects and clinical application has started in the Department.

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE :

Department participated and organised diagnostic camp at Mahim on 8th March.

7th April 1987 WHO day was celebrated at Deonar Urban Health Centre, Mrs. Zelme Hazirus from IMPACT graced the occasion. Health exhibition Immunization drive and Role Play by sewing class girls was organised.

From 17th — 20th April, Department participated in the Health check-up camp at Mahad for school children and Balwadi children organised by Pride-Voluntary organisation.

Department participated in Diagnostic Camps in Tardeo area on 16th and 20th September. Department was involved in the Universal Immunization Drive on 15th, 16th, 17th September 1987 along with Public Health Department.

Diabetics detection camp was organised by Preventive & Social Medicine Department Rotary Club of Bombay At Tardeo.

The department under the sponsorship of Nair Golden Jubilee Research Foundation organised a workshop on Planning and Management of Expanded Programme of Immunization between 17th - 20th February 1988. There were about 28 participants from the department of Paediatrics and Preventive & Social Medicine from all 4 medical colleges in Bombay. A faculty member from the National Institute of Communicable Diseases Delhi also participated as a Resource Person. The Deputy Director of RPI from Maharashtra Dr. (Mrs.) N. P. Diwan and UNICEF Programme Officer Mr. Yoshitoru Uramto also graced the workshop and interacted with the participants. A vaccination evaluation coverage session on WHO nodule was also held as a field exercise at Shivajinagar Urban Health Centre.

DEPARTMENT OF PHARMACOLOGY :

The Ethnopharmacology wing was initiated in the department in 1987.

The Nair Golden Jubilee Research foundation sponsored 1st Dr. S. Subramaniam Oration in Basic Science by Dr. O. D. Gulati titled 'Modern Treatment of Hypertension and Quality of Life' was arranged by the department on 9th January 1988.

PHYSIOTHERAPY DEPARTMENT :

The Physiotherapy Department helps in rehabilitation of the patient. Recently this department has started electro diagnostic section and Respirator volume tests.

DEPARTMENT OF PAEDIATRICS :

From 2nd January 1988 B. Y. L. Nair Ch. Hospital has launched an extension of its services for sick children and infants in the form of 'Paediatric Emergency Walk in Clinic', the first of its type in any general hospital in Bombay.

DEPARTMENT OF RESPIRATORY DISEASES :

This department is involved in the management of both T. B. and Non T. B. Chest diseases. It has a computerised Pulmonary Function Test machine, Fibroptic Bronchoscope and allergy skin testing facility.

CHARGING OF FEES TO O. P. D. AND INDOOR PATIENTS AT THE MUNICIPAL HOSPITAL :

The Standing Committee under item No. 1733, dated 2nd March 1982 has approved M. C.'s proposal for levy of a taken fee for O. P. D. and Indoor patients attending Municipal General Hospitals. As per C. A.'s circular No. CA/RG/95, dated 2nd March 1982 this scheme has been implemented from 1.4.82. The staff at the Registration counter receive Rs. 2/- per O.P.D. case papers from the patients coming for treatment in O.P.D. O.P.D. case paper would be valid for 15 days only. After 15 days the patient has to pay Rs. 2/- for renewing the case paper.

As regards Indoor patients and admission fee of Rs. 5/- is to be collected at the time of admitting the patient. Each paper is valid for 10 days only. If however the doctor attending on the patient, advises that the patient is required to be kept in the hospital beyond 10 days and the Dean, Assistant Dean or A.M.O. of the hospital on considering the advise prescribed such a stay beyond 10 days the same old form will be continued beyond 10 days and no additional fees could be levied. In the absence of such certificate from the doctor attending on the patient, a fee of Rs. 5/- per day of stay in the hospital beyond 10 days is levied and recovered.

A charge of Rs. 400/- is made for C. T. Scans for Inpatients referred from Municipal Hospital. Outpatients from the Municipal Hospitals and patients referred from elsewhere are charged Rs. 750/- for the scan preference being given to patients from the Municipal Hospitals. Free scans are carried out on employees of the Bombay Municipal Corporation.

An amount of Rs. 300/- is charged for 2-D Echo Investigations. An amount of Rs. 60 is charged for E. G. Investigations.

PAYING SCHEME :

The charges of Rs. 30/- per patient per day for paying beds (Side Room) have been increased to Rs. 50/- per patient per day. Similarly, charges of Rs. 15/- per patient per day in paying wards at Sion and other hospitals have been increased to Rs. 25/- per patient per day. Besides, these patients are also being charged at Rs. 75/- for minor operation and Rs. 150/- for major operation. They are also liable to pay Rs. 20/- per X-ray investigation and Rs. 30/- for Pathological/Bacteriological BMR test and for E. C. G. or Encephalogram. These fees are to be paid in the office of the hospitals as at present. The above charges are revised from 10th March 1988.

The Municipal employees and their nearest dependent family members are to be given treatment free of above levies for case paper etc. The Municipal Employees, however, will have to produce his identity card or a proof from the head of the department about his employment in Municipal service.

1. DEPARTMENT OF MEDICINE :

The department of Medicine has 3 full-time and 3 part-time units which participates in under graduate and post graduate teaching/training programme. There are 3 full-time and 2 Hon. Professor of Medicine. There are 5 full-time Readers; 2 Hon. Associate Professors and 3 Hon. Professors of Medicine. There are total 13 Lecturers in the department. They work for general medicine, M. A. C. U. and for the specialities attached to the department. The members of the staff also participates in the teaching of Dental, O. T., P.T., Nursing and Speech Therapy students of our hospital.

The patient care includes one O.P.D. per unit with one emergency admission day and inpatient services. The specialities associated with the department are Rheumatology, Nephrology, Asthma and Obstructive Airway Diseases Clinic, Hypertension and Diabetes which was separated in the month of October 1987, to the Department of Endocrinology with the promotion of Dr. (Mrs.) K. D. Nihalani, Professor of Medicine to the post of Head of Endocrinology Department. Also Dr. (Mrs.) D. V. Deashpande who is promoted to the post of Professor of Medicine from 1st October 1987, is associated with thyroid clinic and attached to the Kasturba Hospital for Infectious Diseases. The specialities run their own O. P. D. services alongwith inpatient facilities.

Medical Acute Care Unit is a special area created in the department where all seriously ill but potentially salvageable patients are admitted and treated. The unit is managed by a senior member of staff e.g. Professor, Associate or Assistant Professor, two Lecturers, 2 Registrars and 2 House Officers. The cycles for this are on a monthly basis. On an average 60-70 cases are treated per month.

The department has an attached research laboratory headed by Senior Biochemist Dr. D. S. Salgaonkar. The laboratory is well-equipped. It caters to the speciality investigations in the field of Rheumatology, Immunology, Diabetes, Nephrology, Hypertension and Asthma. Also we are planned to increase the areas of activity.

The under-graduate teaching programme consists of 80 well selected subjects, 70 tutorial topics minimum alongwith table-work and ward clinics. Regular ward examination for M. B. B. S. as well as B. D. S. students are held. The results of under-graduates at final M. B. B. S. examination are good.

Post-graduate training consists of regular post-graduate bed-side clinics, lectures, guest lectures, seminars, clinical meetings and Clinico-Pathological-Corelation meetings. Our students have been performing very well at the University examinations.

The members of the staff are active members of Association of Physicians of India and other various speciality associations. Some of them are associated with the Journals published by such associations. Most have contributed to text-books of medicine or have written books for students. The members are also actively participating in the conferences both national, international and also attend conferences in outside countries.

Other members associated with the department are a Medical Social Worker and a dietician who are also actively engaged in their duties.

Newer activities to be started are a clinical Pharmacology service which is under process for obtaining sanctions. The department had organised a work-shop on Evaluation techniques and is presently in the process of modifying the theory examination papers to bring in more objectivity and reliability.

2. DEPARTMENT OF SURGERY :

Department of Surgery consists of 3 full time and 3 part time units.

3. DEPARTMENT OF GYNAEC. AND OBSTETRIC :

Department of Gynaec. and Obstetric consists of 3 units, one full-time and two units under Hon. Professor and Asstt. Professor. Each unit functions twice a week.

4. DEPARTMENT OF PEDIATRICS :—

The Department of Paediatric continued to work with one full-time unit and one part-time unit.

I. Indoor Services :—

| Ward | No. of patients | Deaths |
|---------------------|-----------------|--------|
| Paediatric | 2534 | 334 |
| I. P. U. C. | 274 | 121 |
| Neonatal: | | |
| Transferred babies. | 156 | |

II. O. P. D. Services :—

| O. P. D. | No. of New patients | No. of old pts. |
|---------------------------|---------------------|-----------------|
| Paediatric. | 17980 | — |
| Special Care. | 42 | — |
| New-born | 984 | — |
| Recreation Therapy Centre | | |
| School Clinic : | | |
| — Secondary | 529 | 992 |
| — Primary | 3197 | 13690 |
| Child Guidance Clinic | 486 | 811 |

III. Peripheral Hospitals :—

| Name | Clinic Attendance | Home Visits | Immunisation. | | | |
|-----------------------|-------------------|-------------|---------------|------|---------|---------|
| | | | DPT | BCG | Measles | Vit. A. |
| Victoria Ped. Centre. | 474 | 339 | 457 | 1572 | 43 | 192 |

IMAMWADA Mat. Home.

Kasturba Hospital : Dr. (Mrs.) P. M. Pai, Prof. & Head Department of Paediatrics continue to visit twice a week.

IV. Teaching Activities :—

- Undergraduate Students : 18 lectures per term and clinical posting in the ward.
 Postgraduate Teaching : Clinics, Weekly death Conferences, Monthly Seminar, Intercollegiate meeting for M.D. (Ped.).
 Nursing Students : Series of 30 lectures once a year.
 B. Sc. (A.S.T.) : Series of 40 lectures per year.
 Students social workers, M. A. Students (applied Psychology) have attended training sessions at child guidance clinic.

V. Other Activities :—

This department has started a 'Paediatric Walk in Clinic.

5. DEPARTMENT OF ANAESTHESIOLOGY :

The department runs the anaesthesia services at the following institutions viz., B. Y. L. Nair Hospital, Bhajekar Hospital, Kasturba, Kamathipura Hospital, E. N. T. Hospital (Fort), Bandra Bhabha Hospital, Rajawadi Hospital and Nair Dental Hospital.

1. The number of anaesthetics administered in the year 1987 at B. Y. L. Nair Ch. Hospital is as follows :—

| | |
|--------------------------------|------|
| Cardiac Surgery | 255 |
| Neurosurgery | 268 |
| General Surgery | 2145 |
| E. N. T. | 880 |
| Gynaec. (Kamathipura Hospital) | 1709 |
| Ortho. (Kasturba Hospital) | 1450 |
| Ophthalmic | 89 |
| Radiology | 182 |
| Cardiac Cath. | 517 |
| E. C. T. | 5946 |
| Emergency | 649 |
| Recovery | 2733 |
| Plastic Surgery | 214 |
| Anaesthesia Assessment Clinic. | 581 |

17618

2. Anaesthesia outpatient department (No. 35) for assesment of patients for surgery.
3. Pain clinic for chronic pain and an acupuncture clinic is to be started.
4. Acute Respiratory Care consultancy services to Medical, Paediatric and Surgical Departments.
5. Laboratory for Pulmonary Function Tests and Blood gas Analysis and Blood Glucose estimations.

6. DEPARTMENT OF GASTROENTEROLOGY :

The O. P. D. functions twice a week. During the year 1187 Out-patients and 1025 Indoor patients have been attended. 2800 patients were asked to attend for regular follow up.

ROUTINE INVESTIGATIONS :

| | | | |
|-----------------------------------|-----|------------------------------------|-----|
| C. B. C. | 608 | E. S. R. | 608 |
| Urine: | 580 | Stool. | 640 |
| BIOCHEMICAL INVESTIGATIONS | | | |
| Liver Function Test. | 460 | Serum Albumin. | 460 |
| S. G. O. T./S. G. P. T. | 445 | Serum Protein. | 460 |
| Serum Electrolytes. | 342 | Serum Amylase+Ascitic Fluid Amylas | 120 |
| Serum Uric Acid. | 6 | Serum Cholesterol | 92 |
| Serum Calcium/Phosphorus. | 150 | Serum Creatinine. | 270 |
| Serum Acid Phosphatase. | 7 | P.T./P.I. | 270 |
| Blood Sugar. | 380 | B. U. N. | 350 |
| Alkaline Phosphatase. | 460 | | |
| SPECIAL INVESTIGATIONS : | | | |
| Schilling test. | 24 | Australia Antigen. | 889 |
| Faecal Fat. | 23 | D-Xylose excretion. | 29 |
| S. Protein Electrophoresis. | 82 | Augmented Histimine Test. | 60 |
| I. H. A. | 20 | | |
| ENDOSCOPIES : | | | |
| Sigmoidoscopy. | 320 | O. G. S. | 412 |
| Peritoneoscopy. | 103 | Colonoscopy. | 34 |
| E. R. C. P. | 119 | | |

7. DEPARTMENT OF NEUROLOGY :

The O. P. D. functions twice a week on Tuesday and Thursday.

| | |
|--|-------------|
| 1. Total O. P. D. Patients : Male | 957 |
| Female | 266 |
| Total | 1223 |
| 2. Total Indoor patients : Male | 234 |
| Female | 75 |
| Total | 309 |
| 3. Referred Cases : Male Female | 260 |
| C. T. References : Male-Female | 110 |
| 4. Transfer Cases : Trans. Inn. | 17 |
| Trans. Out. | 3 |
| 5. Total deaths. | 9 |
| E. M. G./N. C. | 80 |
| V. E. Potential. | 200 |
| Somatoseniary. | 15 |
| 6. Procedure done for Nerology patients :— | |
| A. Angiography :— | |
| a. Cartid Angiography. | 30 |
| b. 4 vessel study. | 9 |
| c. Renal Angiography. | 3 |
| d. Jugular Venogram. | 1 |
| e. Orbital Venogram. | 1 |
| B. Mylograms :— | |
| c. C. T. Scans : O. P. D. | 24 |
| Indoor. | 150 |
| D. E. E. G. | 59 |
| E. Electro Myography & N. C. | 123 |
| Ventro - Basilar Angio. | 1 |

8. DEPARTMENT OF NEUROSURGERY :

The O. P. D. functions twice a week Tuesday and Thursday.

O. P. D. Attendance :

| | |
|-----|------|
| New | 725 |
| Old | 2412 |

| | |
|---------|------|
| Total : | 3137 |
|---------|------|

| | |
|--|------|
| Indoor admissions | 437 |
| Total operations done during the year. | 355 |
| E. E. G. Tests. | 1081 |
| Echoencephalography. | |
| R. F. Thermocoagulation | 42 |
| Carotid Angiography. | |
| Myelography. | |
| Myodil Ventriculography. | |
| Conray | 2 |
| Air Ventriculography. | |

9. CARDIOVASCULAR AND THORACIC SURGERY :

In the calendar year 1987 the department of Cardio Vascular and Thoracic Surgery has maintained the pace set at the beginning 1986 and has achieved considerable progress with many-fold activities. The presentation highlights both the academic and clinical aspects of our activities :

Operative Work :

It is worthwhile mentioning that our motto has been to reflect a high cost effective utility ratio. At present we operate 5 days a week and hardly any working day has been lost without doing an open heart operation except for unavoidable reasons. The following list shows the operative work done by the department in 1987 :—

| | |
|------------------------|-----|
| 1. Open Hearts | 175 |
| 2. Closed Hearts | 100 |
| 3. Vascular Operations | 38 |
| 4. Major Operations | 30 |

The overall operative mortality is around 7%. This work output is significant on the background that we had to stop operating for 1½ month due to R. M. O. Strike.

Academic Achievements :

Monday meeting : every Monday a Cardiac Cath. meeting is held jointly with the department of Cardiology where cases catheterised during the previous week are discussed and their treatment is finalised.

Thursday Grand Round :

Every Thursday at 3.00 p.m., all the staff and residents of the department of Cardio Vascular and Thoracic Surgery take a clinical round in the wards with detailed discussion on each patient, regarding treatment and plan of surgery.

Saturday Meeting :

Every Saturday at 9.00 a.m., the department of Cardio Vascular and Thoracic Surgery and Cardiology discuss the cases operated during the previous week. Here the clinical aspects during the previous week. Here the clinical aspects are presented by the Cardiology residents and surgical aspects by the Cardio Vascular and Thoracic residents.

Undergraduate Lectures :

The following lectures were taken by the departmental staff :

- | | | |
|-----------------------|---|--|
| 1. Dr. J. N. Karbhase | : | 1. Surgical management of congenital heart disease. |
| | | 2. Surgical management of acquired heart disease. |
| 2. Dr. R. B. Patil | : | 1. Surgical management of pulmonary tuberculosis. |
| | | 2. Suppurative disease of the lung and empyema thoracic and surgery of sympathetic system. |
| 3. Dr. J. M. Desai | : | 1. Surgery in Peripheral Vascular disease and aneurysms. |
| | | 2. Dysphasia and Cardio spasm. |

International Conference :

The department of Cardio Vascular and Thoracic Surgery and Department of Cardiology jointly organised an international conference on Interventional Cardiology and Cardiac Surgery on 20-21st December 1987 at Hotel Oberoi Towers. This was sponsored by Nair Hospital Golden Jubilee Research Foundation. Following portfolios were held by our departmental staff :

| | | |
|---------------------|---|-----------------------------------|
| Dr. J. N. Karbhashe | — | An Executive President. |
| Dr. J. M. Desai | — | As Chairman Scientific Committee. |
| Dr. R. B. Patil | — | Treasurer. |
| Dr. S. M. Doshi | — | Secretary. |

This conference required one year of spade work and continuous efforts and was well attended with over 300 delegates. Many interesting and informative Cardiology and Cardiac Surgical aspects were discussed by the well-known international as well as national personalities. The international Cardiac Surgeons including Dr. Quagaburgh from Netherland, Dr. S. Subramaniam from U. S. A. Later on from 18th to 24th December we had a cardiac surgery workshop at Nair Hospital where five unusual Paediatric Cardiac Surgical cases were operated and demonstrated. Of these switch operation for transposition of great arteries done by Dr. Quagaburgh is worth noted as this is probably the first such operation has been done in India.

Guest Lectures :

Dr. J. N. Karbhashe has delivered a guest lecture at I. M. A., Chopda Dist. Jalgaon in February (Valvular and Coronary Bypass Surgery).

Attended a Charity Camp at Malegaon in March 1987.

Outpatient Department :

The department of Cardio Vascular and Thoracic Surgery conducts an out-patient Department on Monday, Friday and Saturday at 12.30 p.m. During year 1987, 390 patients were seen of which 322 admitted for surgery.

10. DEPARTMENT OF CARDIOLOGY :**Data on admission/O.P.D. Attendance :**

| | |
|------------------------|-------|
| Indoor admissions | 635 |
| I. C. C. U. Admissions | 304 |
| New O. P. D. cases | 1342* |

In addition 485 patients following cardiac catheterisation were monitored in I. C. C. U.

* This number does not include nearly equal number of cases examined by us referred from other wards of Nair and its allied hospitals. The number also excludes follow up case examined in the O.P.D.

Data on investigations/therapeutic procedures :**1. Cardiac Catheterisation and Angiography :—**

During the year 1987, 485 patients (adult and Paediatric) underwent Cardiac Catheterisation and Angiography. The highlight of this year's progress was extended application of balloon dilatation technique. Mitral balloon valvuloplasty and Coronary angioplasty was started in December 1987. Coronary Angiography in post myocardial infarction period became a routine. Electrophysiological studies were started and were performed in 13 cases.

Balloon dilatation technique (Valvuloplasty and Coronary Angioplasty).

| | | |
|----------------------------|------|-----------|
| Pulmonary valvar stenosis | | 20 cases. |
| Aortic valvar stenosis | | 2 cases. |
| Tricuspid stenosis | | 2 cases. |
| Mitral stenosis | | 2 cases. |
| Mitral and Aortic stenosis | | 1 cases. |
| Renal artery stenosis | | 1 case. |
| Coronary artery disease | | 3 cases. |

Forty two patients were treated by recent Balloon Dilatation techniques without open heart surgery.

2. Stress testing 414 patients.

(Computerised treadmill on 207 patients and Non Computerised ordinary treadmill on 207 patients).

| | | |
|---|--------|-----------|
| 3. Electrocardiogram in E.C.G. Department | 12,691 | patients. |
| 4. Permanent Pacing | 8 | patients. |
| 5. Temporary pacing in ICCU | 40 | patients. |

Other achievements/activities :

The departments of Cardiology and Cardiac Surgery organised an "International Conference on Interventional Cardiology and Surgery" on December 20 and 21, 1987. The Conference was attended by luminaries from 8 countries. Following the conference, mitral balloon valvuloplasty and coronary angioplasty was performed with the help of visiting specialists.

Dr. C. V. Shah, Honorary Associate Cardiologist was appointed as President of Indian Society of Medical Ultrasound.

Dr. S. Sharma, Professor and Head of Cardiology selected for International Starr, Ahmed Fellowship of Cardiovascular surgeon's society.

Dr. S. Sharma, Professor and Head of Cardiology appointed on the Editorial Board for International Journal — C. V. World Report and also appointed as Member of Clinical Cardiology and Research Committee of Asian Pacific Society of Cardiology.

Many members of the department gave invited lectures in national and international conferences.

11. PLASTIC SURGERY :

Plastic Surgery O. P. D. was conducted every Wednesday and Friday and a total of 626 new cases were seen.

In addition about 125 cases were seen every week for follow up treatment. Full documentations and records of all these cases were made and updated. A total of 768 cases were admitted for surgery of which 342 cases were elective and rest were emergency cases mainly involving the hand and face. A large number of emergency cases were also treated in casualty.

Clinical meetings of the Bombay Plastic Surgeons group were held under the auspices of the Department of Plastic Surgery. Clinics for undergraduates were arranged by the Department of Plastic Surgery.

Dr. Srivastava from University of Benaras was deputed as a clinical observer as a part of his post-graduate curriculum in our department during October 1987 for a period of 2 weeks.

12. HYPERTENSION CLINIC :

The Hypertension Clinic has been gradually having an increased workload. Over 150 new cases of hypertension have registered with us in the last one year. These patients are examined, investigated and treated with the latest drugs which are not easily available in the general O. P. D. These drugs have been procured by us by donations. Old patients are followed up every 15 days.

The clinic is held on every Tuesday.

Members of the clinic are on the Editorial Board of the National Journal of Hypertension.

From the Hypertension Clinic a drug trial of Nefedepine Retard tablets was conducted and presented at the Annual A. P. I. conference.

13. NEPHROLOGY CLINIC :

The activities conducted by the Nephrology Clinic during the year 1987 are listed as follows :—

| | |
|--|-----|
| 1. Total No. of new cases seen in Renal O. P. D. | 445 |
| 2. No. of haemodialysis procedures conducted in the A. K. D. | 996 |
| 3. No. of new patients treated in A. K. D. | 136 |
| 4. No. of peritoneal dialysis conducted in A. K. D. | 100 |
| 5. No. of kidney biopsies done in A. K. D. | 50 |
| 6. Patients on Drug Trial | 4 |

N² mustard

Clinical meeting of Bombay Nephrology Group was held in November 1987.

14. ASTHMA AND OBSTRUCTIVE AIRWAY DISEASES CLINIC :

This clinic of the Department of Medicine was started in January 1976 and is held every Monday in R. No. 106 between 9.00 a.m. to 12.30 p.m. Every week about 4-6 new patients and 50-60 old patients attend the clinic for treatment of their asthma. Every week 2-3 patients are admitted in the hospital from the clinic.

In the year 1987, the total number of new cases seen in the O. P. D. were 205, while about 100 cases were admitted in the hospital from the clinic.

Several special investigations are carried out in these patients e.g.

- a. Pulmonary function tests by Spirometry before and after isoprenaline.
- b. Exercise testing in asthmatics with the help of Treadmill equipment alongwith pulmonary functions to see the production of exercise induced asthma.
- c. Allergy testing for various allergens like pollen, fungi, dust, food items etc.
- d. Immunoglobulins — E and G.
- e. Blood serotonin and histamine during asthmatic attack and when free from bronchospasm.
- f. Platelet factor — 4 by RIA and blood recalcification time, to see the platelet activity in asthmatics.

This clinic has also started studying the cardiovascular effects of chronic airway obstruction by MUGA Scan.

15. DIABETES CLINIC :

The Diabetes Clinic runs O. P. D.'s for new patients on Mondays and Thursdays from 9.00 a.m. onwards. Patients are examined in detail. A complete dietary assessment is made and caloric adjustment is made according to the patients dietary habits. A full social work up is also carried out. Patients spend about an hour to an hour and a half for this first detailed evaluation, when their therapy is decided.

Follow up patients are seen every Monday and Thursday from 1.40 p.m. onwards. Drugs are distributed at this O. P. D. Blood Sugars are repeated every three months and doses of the drugs are adjusted according to the Blood Sugars. Patients are also evaluated for any specific problems that they may have which are also investigated and treated.

A joint round is taken for referred patients in the wards where patients of endocrine disorders and diabetes are seen in detail. These patients are referred on any day to a Registrars and Seniors, to reevaluate the patient.

All patients suffering from diabetes undergoing surgery are managed by the Diabetes Unit. Special care is taken of patients with juvenile diabetes and of pregnant diabetic woman. All the services are offered as and when needed to the diabetic patients with complications e.g. laser therapy for retinopathy and dialysis for Nephropathy.

Besides three monthly blood sugars, lipidograms, glycosylated haemoglobins, renal and liver function tests are carried out initially. These and any other necessary investigations are carried out for patients with diabetes when indicated.

The diabetes unit also runs Diabetes — T. B. Clinic in association with the Department of Chest Diseases and Tuberculosis for the benefit and improved Follow-up of patients with both these diseases. This clinic is held on Wednesday from 9.00 a.m. onwards.

The annual O. P. D. attendance :

| | New cases | Old cases | |
|---|-----------|------------------------|-------|
| Diabetes O. P. D. | 382 | 5321 | |
| Diabetes T. B. O. P. D. | 60 | 416 | |
| Referred cases : | | | |
| Diabetes — 8-10/Wk. | | | |
| 16. MEDICINE RESEARCH LABORATORY : | | | |
| 1. Biochemical Tests :— | | | |
| Urea Nitrogen. | 4574 | Creatinine. | 4855 |
| Uric Acid. | 2709 | Glucose. | 10885 |
| Sodium. | 9521 | Potassium. | 9521 |
| Chloride. | 9521 | Total Proteins. | 8763 |
| Albumin. | 7870 | Globulin. | 7870 |
| Electrophoresis Proteins. | 4465 | Calcium. | 2673 |
| Phosphorus. | 2673 | Alkaline Phosphatase. | 1970 |
| Acid Phosphatase. | 15 | S. G. O. T. | 1566 |
| S. G. P. T. | 1566 | Bilirubin. | 1257 |
| Cholesterol. | 2462 | Amylase. | 36 |
| Barbiturate. | 66 | Triglycerides. | 114 |
| Apo-Lipoproteins. | 135 | HDL Cholesterol. | 1143 |
| VLDL Triglyceride. | 1143 | Glycosulated Hb. | 24 |
| Histamin. | 83 | Serotonin. | 83 |
| Lactic Acid. | 83 | Free Fatty Acids. | 120 |
| Blood recalcification time. | 83 | C. P. K. | 35 |
| L. D. H. | 62 | Ammonia. | 80 |
| Glutamin. | 80 | | |
| | | | 99068 |
| 2. Urine : | | | |
| Urine Proteins. | 428 | Bence Jones Proteins. | 14 |
| Specific Gravity. | 68 | V. M. A. | 30 |
| P. H. | 32 | Amino Acid. | 2 |
| | | | 574 |
| 3. Immunological Tests : | | | |
| R. A. Tests. | 2241 | A. N. A. | 4833 |
| Immunoglobulin. | 2144 | C. R. P. | 88 |
| Complements. | 46 | Cryoproteins. | 210 |
| A. S. O. | 25 | M'band detection. | 38 |
| T & B Cells. | 77 | T-Cell subpopulations. | 100 |
| | | | 5402 |
| 4. Cytological Tests : | | | |
| Hemoglobin. | 8805 | Total W. B. C. | 8805 |
| Differential W. B. C. | 8805 | E. S. R. | 4133 |
| Malarial Parasites. | 8 | Platelet. | 52 |
| | | | 30608 |

17. AUDIOLOGY AND SPEECH THERAPY SCHOOL:

Clinical : 4213 new patients were seen.

Academic : 10 students were admitted in F. Y. B. Sc. (A.S.T.) for the year 1987-1988. Results of B. Sc. (A.S.T.) students are as follows :—

| Class | No. of students appeared for Exam. | No. of students passing | Results |
|--------------|------------------------------------|-------------------------|---------|
| F. Y. B. Sc. | 10 | 10 | 100 % |
| S. Y. B. Sc. | 8 | 8 | 100 % |
| T. Y. B. Sc. | 9 | 9 | 100 % |

Co-curricular Activities:

To commemorate the Silver Jubilee year August 1987 — August 1988 Audiology and Speech Therapy School with the financial support provided by the Nair Golden Jubilee Research Foundation, organised a "Seminar on Stuttering" in August 1987.

Miss M. B. Doshi and Mrs. M. M. Sanghi were sponsored to undergo 6 weeks voice training programme from 16th September to 29th October 1987 by Asian Federation of Laryngectomee at Tokyo, Japan.

Classes for Deaf :

Under the Audiology and Speech Therapy Department the Classes for Deaf were working at Nana Chowk, Matunga, Vile Parle and Mahalaxmi.

Our school celebrated various functions. Annual School week including educational trip to Vihar Lake, Pawai and Goregaon and small visits to Mahalaxmi Fair, Ganpati Decoration. We had our sports and various competitions like Drawing, Handwriting etc.

In June 1987, 12 students were integrated in the 1st Std. in normal school both in Hindi and Marathi medium. The students from Mahalaxmi Class were integrated in the Marathi First Class at Nana Chowk. In June 1987, as no new students came for admission to Mahalaxmi Class, that class had to be closed.

Now eight students are in the Second Std. Six are in the Third Std. and Five are in the fourth Std. Their progress in the normal school has been satisfactory. 18 New students were admitted in the Jr. Class. Six full time and one part time teachers were on the staff. The total number of students was 75.

Our students took part in various competitions organised by Vikas Vidyalaya and Rotary Club and other institutions for the Deaf. Some of our students won the prizes.

Our teachers attended various workshop and seminars on Education of Deaf at Ali-Yavar Jung, Bandra.

We purchased Sports material like Cricket sets, Dumbles, Lazim and Carrom for our students.

18. ENDOCRINOLOGY DEPARTMENT :

The department is responsible for patient care in the speciality of Endocrinology, which involves clinical evaluation of patients, specialized laboratory investigations, treatment modalities and long term follow up. New O. P. D. to follow up patients with thyroid and growth disorders have been started from Jan. 1988 and October 1987 respectively.

O. P. D. days are as follows :—

| Name | Day | Time |
|----------------------------|-------------------|---------------------|
| General Endocrine (O.P.D.) | Tuesday & Friday | 10.00 a.m. onwards. |
| Thyroid O. P. D. | Tuesday | 11.00 a.m. onwards. |
| | Wednesday | 10.00 a.m. onwards. |
| Growth Clinic | Friday | 1.30 p.m. onwards. |
| Diabetes Clinic | Monday & Thursday | 9.00 a.m. onwards. |
| Follow up O.P.D. | Monday & Thursday | 1.30 p.m. onwards. |

Endocrine Thyroid Growth O. P. Ds. :-

Besides an indepth clinical evaluation patients are also evaluated for their dietary intake, and a proper dietary recommendation is made. The patients socio-economic status is ascertained by the social worker, who helps patients by arranging for Drugs. Patients with Growth retardation are routinely referred to the Psychiatry Department for I. Q. testing.

The Annual O. P. D. attendance :-

| | New cases | Old cases |
|--------------------------------------|-----------|-----------|
| Endocrine O. P. D. | 497 | 1474 |
| Growth O. P. D. | 41 | 30 |
| Referred Cases — Endocrine : 4-5/Wk. | | |

The Thyroid O. P. D. WHICH has began on January 1988 has registered 30 cases to date.

Total No. of Laboratory tests done during the year :-**A. Urine :**

| | | |
|--------------------------|-----|----|
| 1. Creatinine | ... | 44 |
| 2. 17 Ketogenic Steroid | ... | 84 |
| 3. 17 Keto steroids | ... | 84 |
| 4. Urine Pregnancy Tests | ... | 57 |
| 5. Urinary Pregnanedol | ... | 7 |
| 6. Urinary Pregnanetriol | ... | 7 |

B. Radio Immuno Assay :

| | | | |
|-----------------|-----|---------------------------|-----|
| F. S. H. | 510 | L. H. | 404 |
| Prolactin | 528 | T ³ | 504 |
| T ⁴ | 502 | T. S. H. | 814 |
| Testosterone | 314 | G. H. | 326 |
| Cortisol | 240 | Progesterone | 306 |
| A. C. T. H. | 122 | 17 — Hydroxy Progesterone | 106 |
| Androstenedione | 104 | | |

| | |
|----------------------------|-----|
| C. Sex Chromatine :- | 56 |
| D. Semen Analysis :- | 113 |
| E. Karyotyping :- | 45 |
| F. Glycosylated Hemoglobin | 60 |

Animal House :-

| | |
|---|----------|
| 1. Maintenance and Breeding of Rodent Colony. | |
| 2. Use of rats and mice for bioassays | 171 |
| 3. Animals supplied to other departments : | |
| Rats | 287 |
| Mice | 35 |
| Sold to K. E. M. Hospital | 25 rats. |

U. G. and P. G. teaching :-

The Professor and Head of Endocrinology takes lectures for Undergraduate (M.B.B.S.) and Post-graduate M. D. students.

The Lecturers are responsible for tutorial, table work and lectures for U. G. Students.

Seminars, Case — discussions and journal review on Endocrinology and Diabetes are conducted in the Department on Tuesdays at 2.00 p.m.

The Department participates in the clinical meetings conducted by the Medicine Department.

The Endocrine Department also has an animal house, where rats and mice are bread. The animals, are used for Biological tests, research and experimental purposes by the endocrinology department and by any other department that needs them. A Laboratory Technician, specially trained in this field looks after the animal house.

19. PREVENTIVE AND SOCIAL MEDICINE :**Services :**

In the community — Comprehensive health care services are given through 2 Urban Health Centres.

In the Department :

Under five clinic was conducted for Municipal sweeper community of Arthur Road once a week.

Immunization in O. P. D. of Nair Hospital :

| | I | II | III | Booster |
|----------|------|------|------|---------|
| Triple | 2248 | 1307 | 1045 | 604 |
| Polio | 2811 | 1593 | 1286 | 872 |
| D. T. | 138 | 78 | — | 282 |
| B. C. G. | 4205 | | | |
| Measles | 612 | | | |
| Typhoid | | | | |
| TABC 60 | | | | |
| Cholera | | | | 1 |
| Typhoid | | | | 24 |
| Cholera | | | | |

In the community :**Comprehensive Health Care to the Communities :**

Comprehensive health care services were provided to two communities.

1. Shivaji Nagar Deonar.

Through Urban Health Centre.

2. Shahaji Nagar Cheetah Camp.

Following is the report of activities carried out in the year 1987.

| | SHIVAJI NAGAR | SHAHAJI NAGAR |
|--|---------------|---------------|
| 1. Total No. of patients treated | 48773 | 51930 |
| 2. Total No. of children treated at under five clinic. | 2544 | 1792 |
| 3. Antenatal mothers registered Gynaec. | 283 | 81 |
| 4. Gynaec cases. | 450 | 109 |
| 5. Dental check up | 706 | 1397 |
| 6. Skin cases | 1243 | 1822 |
| 7. Leprosy cases. | — | 645 |
| 8. Immunisation : | | |
| Polio. | 8211 | 3476 |
| Triple. | 7865 | 3541 |
| D. T. | 497 | 99 |
| B. C. G. | 2800 | 1278 |
| Measles. | 606 | 231 |
| T. Toxoid. | 2365 | 2081 |

School Health Services :

Medical inspection of school children belonging to standard 1st, 3rd and Vth at Cheetah Camp School was continued. 1699 children were examined and 652 children of 1st standard were given D. T.

Nutrition Programme for Municipal School Children :

Supplementary nutrition programme for primary children at Baiganwadi & Cheetah Camp Municipal Schools were continued during the year 1987. 234165 children from Baiganwadi Municipal School and 115764 children from Cheetah Camp Municipal School were given nutrition supplements under this programme.

Balkalyan Kendra :

528 patients were examined and treated in the year 1987.

127 children were given polio vaccine, 14 were given D. T. vaccine.

Rome Programme :

Rome programme is integrated with activities at Urban Health Centre at Shivaji Nagar.

Every Wednesday, the vehicle from Malad Garage is brought at Shivaji Nagar utilized for immunisation programme in the community.

Under Five Clinic :

| Community | Groups | No. under Observation | Total of visits | Average visits infants or child |
|--------------|----------|-----------------------|-----------------|---------------------------------|
| Cheetah Camp | Infants | 703 | 1840 | 2.4 |
| | Children | 580 | 1081 | 2.01 |
| Deonar | Infants | 312 | 640 | 2.05 |
| | Children | 1291 | 1264 | 0.9 |
| Arthur Road | Infants | 12 | 35 | 2.9 |
| | Children | 10 | 15 | 1.5 |

Social Services :**Community Visits :—**

| | | |
|--------------|---|------|
| Cheetah Camp | — | 1350 |
| Deonar | — | 321 |
| Arthur Road | — | 245 |

Collateral Contacts :

| | | |
|--------------|---|-----|
| Cheetah Camp | — | 90 |
| Deonar | — | 144 |
| Arthur Road | — | 45 |

Deonar Community :

| | |
|---|-----------------|
| 1. Nutritional aid to children | 24 |
| 2. Economic aid in terms of cash and kind | 87 |
| 3. Clothes. | 11 |
| 4. Referral and follow in hospital | 70 |
| 5. Case work | 350 |
| 6. Group work activity session for women for health education | 143 |
| 7. Balwadies are being run in the community under out guidance. | 1 |
| 8. Balwadi is being conducted with the help of community out reach programme. | 2 |
| 9. Sewing classes for adolescent girls. | 2 classes daily |
| 10. Employment and rehabilitation. | 12 |
| 11. Catholic relief services programmes in continued for beneficiaries. | 1200 |
| 12. Milk powder programme. | 1200 |
| 13. Youth group activities sessions. | 24 |
| 14. Health talks. | 380 |
| 15. Field immunisation camps. | 14 |
| 16. Immunisation (Home visit). | 600 |
| 17. Milk programme started for children | 35 |
| 18. Youth group activities session | 43 |
| 19. Home visits for ANC patient & Others. | 124 |

Arthur Road Community :

| | |
|---------------------------------|-----|
| 1. Nutritional aid to patients. | 359 |
| 2. Case work | 59 |
| 3. Health education meetings. | 15 |
| 4. Rehabilitation | 39 |

Cheetah Camp :

| | |
|--|-----------------------------------|
| 1. Nutritional aid to adults and families. | 1200 |
| 2. Economic help in terms of cash and kind | 24 |
| 3. Clothes, school fees, book etc. | 20 |
| 4. Referral and follow up in hospital | 92 |
| 5. Case work. | 65 |
| 6. Health education talks to mother | 30 |
| 7. Sewing classes for adolescent girls | 2 daily |
| 8. Film show on health educations | 4 |
| 9. Employment and rehabilitation | 11 |
| 10. Milk programme for children | 1400 |
| 11. Technical classes for youths | 2 batches continued twice a year. |
| 12. Recreational activities. | |

Special activities of the departments in 1987 :

1. Department participated and organised Diagnostic Camp at Mahim on 8th March in collaboration with Shivsena in 1987.
2. 7th April 1987 : WHO day was celebrated at Deonar Urban Health Centre, Mrs. Zelma Lazarus from Impact graced the occasion. Health exhibition Immunization drive and Role played by sewing class girls was organised.
3. 17th April to 20th April : Department participated in the Health check up camp at Mahad for school children and Balwadi children organised by Pride voluntary organization.
4. Department participated in Diagnostic Camps in Tardeo area on 16th and 20th September. Department was involved in the Universal Immunization Drive on 15th, 16th, 17th September 1987 along with Public Health Department.
5. Diabetes detection camp was organised by Preventive and Social Medicine Department and Rotary Club of Bombay at Tardeo.

Other Activities :**Dr. (Mrs.) Parimala Subramaniam :—**

1. Worked as a member of the sub-group task force on Medical Education Report submitted to Indian Association for women studies — part of larger project entitled. 'Implications of National Policy on Education on Science and Technology for women.'
2. Nominated by Dean Topiwala National Medical College to assistant in the Job Evaluation Studies different categories of staff in Corporation. Under went a 2 weeks training programme for the same — Helped in Pilot Study conduction.

Dr. (Mrs.) Daksha D. Pandit :—

1. Nominated as Honorary Member centre Oncologique at Biologique de Recherche Appliques of COBRA from France.
2. Developed Health Educational game on diarrhoea which is widely appreciated by different countries in the world.

DR. (Mrs.) Rehdha Y. Aras :—

1. Given a Radio talk in Konkani "Barya Arogyachi Chavi Tumachya Hatat" November 1987.
2. Written skit on "Immunization" for WHO day 1987 Role Play Function.

20. THYROID CLINIC :

Thyroid Clinic is conducted on Monday and follow up on Thursday. The attendance in Thyroid Clinic is as under :—

| | | |
|-------------------------------------|-----|-----|
| New patients. | ... | 571 |
| Old patients. | ... | 301 |
| Semen Analysis Laboratory :— | | |
| New cases | ... | 381 |
| Total No. of Semen Analysis | ... | 506 |

21. SCHOOL CLINIC :

The clinic worked in three services viz. Paediatrics, Ophthalmic and Aural from Monday to Friday. Attendance of school children was as follows :—

| Services | New | Old | Refer | Total |
|---------------------------|-------------|--------------|------------|--------------|
| Primary Schools : | | | | |
| Paediatric | 2238 | 10896 | — | 13134 |
| Ophthalmic | 579 | 1498 | 112 | 2077 |
| Aural | 380 | 1196 | 117 | 1576 |
| Grand Total : | 3197 | 13690 | 229 | 16887 |
| Secondary School : | | | | |
| Paediatric | 226 | 808 | — | 1034 |
| Ophthalmic | 268 | 156 | 25 | 424 |
| Aural | 30 | 21 | 22 | 51 |
| Grand Total : | 524 | 985 | 47 | 1509 |

22. DEPARTMENT OF OPHTHALMOLOGY (EYE BANK) :

| | | | |
|--|-----|------|-----------|
| 1. O. P. D. attendance of new cases | ... | 9301 | |
| 2. Indoor admissions. | ... | 895 | |
| 3. Operations performed | ... | 1064 | |
| 4. Special Clinics : Squint clinics | ... | 138 | cases. |
| Glaucoma clinics | ... | 223 | cases. |
| School clinics | ... | 1422 | cases. |
| Laser Therapy | ... | 183 | cases. |
| 5. Eye Bank activities : | | | |
| No. of eye enucleated | ... | 10 | |
| No. of Keratoplasty done | ... | 8 | |
| No. of donars registered | ... | 450 | |
| 6. Van programme — Mobile Ophthalmic van activities : | | | |
| Total No. of patients treated | ... | 3659 | |
| Camps organised | ... | 4 | camp. |
| — Tardeo | ... | 461 | patients. |
| — Mahim | ... | 167 | patients. |
| — Tardeo | ... | 339 | patients. |
| 7. With a view to control Blindness and improve ocular, patient care, the following programme were instituted at the department :— | | | |
| a. Fortnight on prevention and cure of corneal Blindness including eye donation drive observed from 25-8-87 to 8-9-87. An educative, illustrative and informative exhibition with charts prepared in Marathi, Hindi and English was arranged for public and staff members in O. P. D. 10 of B. Y. L. Nair Hospital. Over 450 person voluntarily filled the pledge cards for eye donation, at the Eye Bank of B. Y. L. Nair Hospital. | | | |
| b. The prevention of Blindness week from 1st to 7th October 1987 was observed by organising : | | | |
| 1. Glaucoma screening camps for slum population of Bombay Metropolitan on 5-10-1987 and 6-10-1987 at Health Centres Deonar and Cheetah Camp. | | | |
| c. Charts of an Eye Health Care prepared in Marathi and Hindi from original English version are displayed in Eye O. P. D. 10 of B. Y. L. Nair Hospital on permanent framed charts as a part of ocular health education programme. | | | |
| d. The department was awarded 1st prize of cleanliness Drive and other welfare activities organised by T. N. M. C. and B. Y. L. Nair Ch. Hospital. | | | |

DEPARTMENT OF DERMATOLOGY & VENEREOLOGY :

The department functions all the days except Sundays from 8.00 a.m. onwards.

| | Attendance at O. P. D. | New | Old |
|--|------------------------|--------|---------------------|
| a. Skin infections. | | 30,782 | 22,986 |
| b. V. D. Cases. | | 23,548 | 9,439 |
| c. Total infections. | | 54,330 | 32,425 |
| d. Non-infections: | | 18,853 | 14,540 |
| e. Ratio of Infection — Non-infections : | | 2 : 1 | |
| f. Maximum attendance of one day : | | 437 | |
| g. Total attendance. | | 73,183 | 47,065 |
| 2. Inpatients : | | | |
| 3. Investigations. | | Total | Abnormal |
| a. Biopsies. | | 1,760 | All |
| b. V. D. r. L. | | | |
| b. V. D. R. L. | | 4,974 | 3,863 |
| c. Dark Ground Illuminations. | | 3,762 | 2,169 |
| d. Smear for Gonococci: | | 4,975 | 3,630 |
| e. Smear for Donovanosis. | | 952 | 396 |
| f. Smear for Chancroid. | | 253 | Nil |
| g. Smear for Leprosy. | | 652 | 496 |
| h. Scales for Fungus. | | 8,974 | 6,540 |
| i. Urine. | | 440 | 379 |
| j. Steel. | | 275 | 147 |
| k. Blood Count. | | 631 | 258 |
| l. E. S. R. | | 431 | 198 |
| 4. Photographs. | | 4,762 | |
| 5. Therapy : | | | |
| a. Superficial X-ray. | | Nil | |
| b. Electro Dessication. | | 2,419 | |
| c. Chemical Cautery. | | 2,658 | |
| d. Photodphyllia. | | 1,853 | |
| e. Intralesional Steriod. | | 2,052 | |
| 6. Medical Education. | | | Lectures & Clinics. |

Clinical Meetings of I.A.D.V. & L :

1. Dr. S. Vaz (P. G.) secured Dr. A. C. Parikh Award for best paper for the year.
2. Dr. B. Sthalekar (P. G.) won the all India prize and medal for the best paper presented at the all India Conference of I.A.D.V. & L at Calcutta.
3. Two lectures delivered at Nair Hospital by Dr. R. Graham Brown of Leicester on Recent Advances in Atopy and Immunological aspects of Lichen Planus.

24. DEPARTMENT OF PSYCHIATRY :

There are two units in the department of psychiatry. A part time unit headed by Dr. A. P. Patkar. A full time unit headed by Dr. (Mrs.) H. S. Dhavale.

The activities of the department are as under :—

| | |
|--|-------|
| 1. Indoor Services : | |
| Total bed strength | 44 |
| Total admissions : Male | 931 |
| Female | 377 |
| Total | 1308 |
| Daily average admissions | 4 |
| Total deaths | 2 |
| 2. Outdoor Services : | |
| The O. P. D. is conducted on all working days of the week. | |
| Total new cases | 4106 |
| Total No. of follow up cases | 35829 |
| 3. Therapies : | |
| Total No. of E. C. Ts. | 5146 |
| Daily average E. C. Ts. | 20 |
| Insulin therapies | 6 |
| Total No. of C. S. | 12 |

4. Teaching activities :

1. Twelve lectures in psychiatry were taken for III M. B. B. S. students.
- (2) Clinical terms of 15 days duration was arranged for II M. B. B. S. students during which discussion and case list taking demonstration were given.

3. Post Graduate teaching programme :

We have at present 4 P. G. students in the department. The P. G. teachers and lecturers hold regular clinic with case discussion and discussion on selected topics.

4. Nursing Students :

30 lectures on Psychiatry are held for 3rd year Nursing Students.

5. Speech Therapy Students :

Around 30 lecturers are held for IIIrd year B. Sc., A. S. T. students on various clinical topics in Psychiatry.

6. Teaching programme for S. N. D. T. students.**7. Teaching programme for T. I. S. S. students — 16 lectures are held on every Wednesday.****Peripheral activities :**

(a) The regular clinical meetings organized by the Bombay Psychiatric Society are held as per schedule by both the units of the Department in our hospital.

(b) A Psychiatrist from our department attends the C. G. C. daily which is attached to Paediatric Department.

(c) The annual west zone conference of India Psychiatric Society was held at Bombay in September 1987. Many of our staff members were actively involved as Executive Committee Members.

(d) The annual conference of Indian Psychiatric Society was held in Calcutta in January 1987 and attended by many staff members.

(e) Staff member were invited as guest lecturers outside Bombay i.e., Gujarat and Maharashtra to deliver lectures on various Psychiatric subject.

School Mental Health Clinic :

The O. P. D. is conducted every day between 9.00 a.m. to 12.00 noon and 2.00 p.m. to 4.00 p.m.

The school visits are carried out by a team of Psychiatrist Social Worker and Psychologists.

| | |
|------------------------------|------|
| Total No. of new cases seen | 330 |
| Total No. of follow up | 1310 |
| No. of schools | 7 |
| No. of cases seen in schools | 795 |

• **Extra Curricular Activities :**

1. Teachers training.
2. Mentally retarded painting competition.
3. Participation by self members in drug deaddiction programme.

1. **Teacher training programme :**

The school mental health clinic, psychiatric department, B. Y. L. Nair Ch. Hospital is conducting lectures cum discussion series programme on child psychiatry for Municipal school Teachers with emphasis on training them to identify problem children at school and to be able to give on spot guidance to their parents.

2. **Mentally retarded painting competition :**

A contest was held on 9th December 1987 at Department of Psychiatry, B. Y. L. Nair Ch. Hospital, 65. mentally retarded children took part in different activity and drawing, colouring, sorting and pasting and amusement games with eager. The programme was organized with the co-operation of Camlin, Children Toy Foundation and sponsored by Lions Club of Tardeo.

3. The staff members participated in drug deaddiction programmes arranged by various organizations all over Bombay.

Report of Clinical Psychologist :

1. **Shri G. N. Kamble :**

Total No. of cases seen ... **631**

During this year paid several school visits to evaluate the problematic students in Municipal Schools and given the educational, vocational guidance and parental counselling as per the need.

Evaluated the O. P. D., Ward and S. M. H. C. cases on Psychological tests and given the Psychotherapy.

Demonstration of psychological tests materials to the P. G. Students.

2. **Mrs. P. A. Bhide :**

Total No. of cases seen ... **543**

School visit at Shanti Nagar Municipal School to asses intelligence of the Gujrati students.

Parental counselling.

Guidence and Psychotherapy to school mental health clinic and O. P. D. cases.

Orientation and demonstration of psychometrical material to P. G. Students.

25. **MEDICAL SOCIAL WORKERS :**

| | No. of patients. |
|--|------------------|
| Old cases carried over from 1986. | 6132 |
| New cases referred in 1987. | 15710 |
| Referred from other Institution. | 2540 |
| Total No. of cases handed in 1987. | 25371 |
| 1. No. of home visits, Institutional visits and colateral contacts. | 5240 |
| 2. Case work services given and No. of cases referred for rehabilitation. | 6465 |
| 3. No. of follow up letters and letters send to donors, charitable and welfare and organisation. | 9525 |
| 4. A. Material aid given : | |
| Appliances as belts, callipers, crutches etc. | 3211 |
| a. Wheel chairs. | 254 |
| b. Glasses (Spectacles). | 1132 |
| c. Tri wheeler. | 106 |
| B. Costly and non-scheduled drugs. | 15464 |
| C. i. Food. | 15690 |
| ii. Ration. | 1420 |
| iii. Supplimentary nutritional aid high protein diet. | 7121 |
| iv. Milk powder. | 50002 |
| D. Clothes. | 6221 |
| E. Library books given to patients. | 1004 |
| F. School fees, uniforms, test books for patients children and young school going patients. | 2775 |
| G. Travelling expense. | 1550 |
| H. Employment for patients. | 902 |
| Patients family members. | 922 |
| I. Accomodations. | 7325 |
| J. Institutionlization. | 740 |
| K. No. of cases rehabilitation. | 4007 |

During this year approximately following donations arranged in cash and kind :-

- Rs. 4,31,211 in the form of drugs.
- Rs. 17,111 for the appliances.
- Rs. 4,50,000 for the patients under going Cardiac Surgery.
- Rs. 1,05,730 for the Cancer patients in cash and kind.

As the hospital has started charging for the special investigations like C.T. Scan, 2-D echo, E.E.G. and X-rays the workload is increased.

M. S. W.'s started giving their valuable services to X-ray Department for assessing their cases and they have raised their funds Rs. 4,35,781/-.

Following Welfare activities conducted by M. S. W. Department :

1. Cleanliness drive arranged by M. S. W. Department for Ward and Departments.
2. Educational and recreation Cartoon films shows arranged for the Indoor patients.
3. Haldi-Kunkum function arranged for the Indoor female patients.
4. Diwali get together of disabled arranged for sweets and gifts to all.
5. Function arranged for the recovered Alcoholics who are employee and patients of Nair Hospital (Project of Rehabilitation of Alcoholics).
6. Exhibition cum sales was organised of the articles made by disables of Nair Hospital.

Report of the work and training centre for the disables for the year 1987 :-

This project started in 1981 as it was the year of Handicapped. It was inaugurated by Hon. Municipal Commissioner Shri D. M. Sukthankar. The benefit is given to the disables who are undergoing treatment in B. Y. L. Nair Ch. Hospital. The main objective is Rehabilitation of these disables with the collaboration from various charitable organisation and private Industries. Job training facilities are given in Tailoring, assembling packing numbering our hospital registers, along with this we have started training them to make staff toys which is very beneficial. The remuneration is paid for the same by industries and hospital. Four disables are completely rehabilitated and they are on own. During this year 35 disables have taken advantage of this project. Free lunch facility is arranged through donation.

Two punching machines, 2 max numbering machines, 3 sewing machines and one sewing with beeding attachment and rexin material is bought through the donation which is very much helpful for disables to earn their bread.

Lions Club of Byculla has taken keen and active interest in expanding Work and Training Centre for disables which is an asset to help more disabled to be on their own.

Following donations in kind donated by Lions Club of Byculla (worth Rs. 45,000/-).

| | | |
|---|---|------|
| 1. Heavy duty leather machine with motor. | 1 | No. |
| 2. Embroidery machine. | 1 | No. |
| 3. Sewing machines. | 2 | Nos. |
| 4. Industrial Sewing machine. | 1 | No. |
| 5. Godrej Typewriter. | 1 | Nos. |
| 6. Godrej Steel cupboard (big size). | 2 | Nos. |
| 7. Godrej Steel tables. | 2 | Nos. |
| 8. Godrej steel chairs. | 6 | Nos. |

Report of the project of rehabilitation of alcoholics for the year 1987 :-

This project started on World Health Day (7th April 1983) from the point of view to rehabilitate alcoholics. There are many employees and patients who are alcoholics, suffering from various health complaints and problems with families as well as in work. We wish to understand their problems and motivate them to give up drinking. From this point of view this project has been started with the collaboration of Alcoholic Annonymous Group. A. A.'s meetings are arranged on every Saturday between 10.30 a.m. to 11.30 a.m. This is a group therapy. The employees and patients are attending meetings regularly and taking benefit of this project. It has been observed that fifty alcoholics have stopped drinking and are able to lead normal life with their family members. Alongwith the alcoholics their family members are also involved in this project. All these families are taken for the individual and group therapy and then rehabilitation.

This was a great achievement and success. Some alcoholics who are fully motivated and recovered took initiative to start the Independent A. A. project in their own offices and factories. Day by day more alcoholics and few drugs addicts are taking benefits of this project.

| | | |
|------------------------------------|-----|------|
| No. of meetings. | ... | 56 |
| No. of alcoholics attended meeting | ... | 1541 |
| Hospital employees. | ... | 205 |
| Recovery in the year | ... | 50 |
| I. P. D. patients. | ... | 199 |
| O. P. D. patients. | ... | 371 |
| Family members & A. A. members. | ... | 752 |

26. OCCUPATIONAL THERAPY DEPARTMENT :

The following are the figures for the year 1987 of work-load and the work analysis.

| | | |
|---|-----|-------|
| 1. Total No. of patients for the year 1987. | ... | 11749 |
| 2. Total No. of patients attendance. | ... | 85493 |
| 3. Total No. of splints prepared. | ... | 1073 |

P.V.C. & D.C.U. Printing Unit :

All these sections are working as usual. The load of printing work is also increased than last year.

The work load in Day Care is also increased.

Splint Sections :

Work of splint is considerably increased.

Miscellaneous :

Head of Occupational Therapy Department Shri A. S. Khullodkar was appointed as an Examiner for undergraduate as well as postgraduate examination held by University of Bombay as well as Nagpur.

Lecture for Occupational Therapy students, Speech Therapy medical students, Nurses were given as a routine.

Post-graduate students in Occupational Therapy and their desertations work was carried out under guidance of Head of O. T. Department.

New splints adaptations and new rehabilitation approaches were carried out in the interest of patients by the staff and students of this institution as usual.

27. PHYSIOTHERAPY DEPARTMENT :

The following are the figures for the year 1987 of the workload and the work analysis.

| | | |
|-----------------------------------|-----|--------|
| Total No. of patients treated. | ... | 12490 |
| Total No. of patients attendance. | ... | 144985 |

Miscellaneous :

Head of Physiotherapy department Mrs. S. S. Idgunji has been promoted as Asstt. Prof. Lectures for undergraduate and post-graduate, M. Sc. students and Medical students are taken regularly.

Miss Prabhu and Ramamurthy have passed M. Sc. examination from this institution and Bombay University.

Electromyography :

Neurophysiological studies are done regularly.

Sports :

Sport activities were conducted by this department.

28. DEPARTMENT OF RESPIRATORY DISEASES :

| | | |
|--|-----|------|
| 1. No. of patients attending our O. P. D. during 1987 :— | | |
| a. Total No. of New patients. | ... | 2451 |
| b. Tuberculosis & Chest old cases for follow-up. | ... | 9924 |
| 2. No. of Indoor admissions during the year | ... | 310 |
| 3. Laboratory work done :— | | |
| a. Sputum examination. | ... | 9773 |
| b. Sputum culture & Antibiotic sensitivity test. | ... | 392 |
| c. Urine examination Routine, BS BP etc. | ... | 547 |
| d. Stool examination & Occult blood. | ... | 114 |
| e. Blood examination including CBC, ESR etc. | ... | 638 |
| 4. Fibre-Optic Bronchoscopy. | ... | 616 |
| 5. Pleuropulmonary Biopsy. | ... | 197 |
| 6. Pulmonary Function Test. | ... | 694 |
| 7. Pre & Post exercise blood gas testing. | ... | 516 |
| 8. Screening :— | | |
| 1. Routine screening. | ... | 401 |
| 2. Family screening. | ... | 832 |
| 9. Pleural Aspiration. | ... | 704 |

In future we are planning to expand our department with the use of Computerised Pulmonary Function Test, Blood Gas Analyser and by establishing Acute Respiratory Care Unit.

29. RHEUMATOLOGY CLINIC :

The Rheumatology Clinic started in the year 1956. Rheumatology O. P. D. for new cases is held on every Friday morning. On Saturdays follow-up patients are seen and at the same time drugs are dispensed. These apart SLE, PSS, DM/PM and other collagen vascular diseases second-line RA patients SSA and special study patients are seen on different days for better follow-up.

In the year 1987, we have registered 1027 new patients in the clinic. Also indoor admission in wards were 113 during the year.

The laboratory services provide adequate support of routine and immunologic tests. Techniques for study of lymphocyte subsets are being well-established in the laboratory for the patients attending the clinic. Collaborative studies on Aurvedic drugs and accupuncture is continued in the year.

The members of the unit had participated in the Annual Indian Rheumatism Association Conference held in Goa in the year and presented in all four papers. Also few other research papers have been published and under publication during the year in national journals.

The clinic is increasing/growing progressively and successfully.

32. PHARMACY DEPARTMENT :

1. Dispensary :

This year Dispensary has dispensed 432688 cases papers out-door and 832 at Indoor.

No. of stock items supplied to O. P. D. and Theatres is 13,280.

Total quantity of stock prepared for Indoor and out-door patients are given below :—

| | | | |
|---|-----|-----------|-------|
| i. Quantity of stock solutions prepared in 1 lit. | ... | 16644.277 | lits. |
| ii. No. of packets made. | ... | 133280.00 | No. |
| iii. No. of powders prepared. | ... | 35524.00 | No. |
| iv. No. of O. P. D. prescriptions dispensed where account is kept. | ... | 7020.00 | No. |
| v. Prescriptions where special drug is issued and account is kept. (O.P.D. No. 34). | ... | 89478.00 | No. |
| vi. Simple Syrup in lit. | ... | 686100.00 | lits. |
| vii. Quantity of stock misture prepared. | ... | 9878.25 | lits. |

2. Central Sterile Supply Services :

Various types of Surgical instruments and other articles are processed systematically, assembled in different types of trays/sets and sterilized. The service involved 8 types of sets and 39 types of trays with annual turnover of 19742 Nos.

The dressings drums/packs sterilized during the year are 15834 Nos.

3. Manufacturing of Pharmaceuticals :

Consolidated manufacturing figures are given below :—

| | | | |
|--------------------------------------|-----|--------|-------|
| 1. Transfusion bottles 1 lit. | ... | 2125 | |
| 2. Transfusion bottles 540 ml. | ... | 114120 | |
| 3. Vials/ampoules assorted. | ... | 30184 | |
| 4. Eye ointment packets. | ... | 1810 | pkts. |
| 5. Transfusion bottles 375 ml. | ... | 1871 | |
| 6. Ointment & cream for ext. use. | ... | 756.36 | kg. |
| 7. Powders. | ... | 316 | kg. |
| 8. Sterile Talcum powder. | ... | 243 | kg. |
| 9. Lotion and Liniments. | ... | 243 | kg. |
| 10. Con. Castor Oil liquid soap. | ... | 1074 | lits. |
| 11. Soft Soap. | ... | 120 | lits. |
| 12. Sterile vaseline gauze tray. | ... | 47 | tray |
| 13. Distilled water 10 lit. carboys. | ... | 27 | Nos. |
| 14. Distilled water 7 lit. carboys. | ... | 504 | Nos. |
| 15. Distilled water 5 lit. carboys. | ... | 274 | Nos. |

4. Quality Control :—

A total No. of 25 different kinds of products splitted up in 535 No. of Batches manufactured by Pharmacy Department were tested of the finished stage and during processing. For which 11237 No. of various kinds of tests were performed.

A total No. of 334 different kinds of products splitted up in 2,436 No. of batches purchased by Store from outside market were tested. For which 11444 of various kinds of tests were performed. 87 batches were rejected. The % of rejection being 0.35% as show in the chart.

All the sterilizers under Nair Hospital and its peripheral hospital such as Bhajekar Hospital, Kamathipura Hospital and Kasturba Hospital were tested for their effective working every fortnight by performing sterility tests live culture.

Items were tested within one hour of it receipt and results given to the Store for urgent requirement and immediate treatment of the patients.

5. Glass Blowing Section :

Following articles are prepared by the Glass Blower in the year 1987 :—

| S. No. | Name of the items. | Quantity. |
|--------|--|-----------|
| 1. | Murphy's Drips. | 440 |
| 2. | Needle Covers. | 1180 |
| 3. | Bleeding sets tube. | 230 |
| 4. | Glass tubing for renal drainage set small. | 350 |
| 5. | Glass tubing for renal drainage set big. | 200 |
| 6. | Saline set tubes big. | 200 |
| 7. | Saline set tubes small. | 800 |
| 8. | Thorasic Drainge Set-Small. | 400 |
| 9. | Thorasic Drainage Set Big: | 200 |
| 10. | Oxygen Canulae. | — |
| 11. | L. P. Sets rods. | 1000 |
| 12. | Test tubes for manufacturing section. | 411 |
| 13. | 'L' tubes for thorasic drainage set. | 200 |
| 14. | 'Y' connections. | 148 |
| 15. | Long droppers for Physiology Dept. | 24 |

Needle Sharpening :

Total 5437 Hypodermic needles resharpended.

6. Machinery Maintenance Section :—

This section looks after the maintenance and repair work of all the machineries of Pharmacy and the minor repairs of sterilizer of wards, and theatres, of Nair Hospital extended Nair Hospital in Bhajekar, Kamathipura and Kasturba Hospital (O. T.) to cope up in emergencies.

This repair works done are numbering to 821, during this year which includes the replacement of heaters and other spare parts.

Removal of steam and water leakage from the high speed high pressure steam sterilizer. Hot and cold water sterilizer Bowel Sterilizer, instrument sterilizer and other electrical and mechanical work of Pharmacy Department.

7. Education :

Following students from various colleges undergone the practical training of 750 hours in pharmacy department in the year 1987.

| | | |
|----|---|---|
| 1. | K. M. Kundnani College of Pharmacy, Ulhasnagar. | 2 |
| 2. | Govt. College of Pharmacy, Malegon. | 3 |
| 3. | S.N.D.T. Womens University Bombay. | 3 |
| 4. | Govt. College of Pharmacy Poona. | 1 |
| 5. | New Bombay, College of Pharmacy. | 3 |

31. E. N. T. DEPARTMENT :

Department of E. N. T. consists of one Full-time Unit which was under Dr. A. G. Pusalkar, Prof. & Head of E. N. T. and Head & Neck Surgery Department and also Head of Audiology & Speech Therapy School till December 1987 and one part-time unit under Dr. N. L. Hiranandani, Hon. E. N. T. Surgeon and Hon. Prof. of E. N. T. The E. N. T. Department & Audiology & Speech Therapy Department, were separated from 1st December 1987 and Dr. D. S. Grewal is looking after E. N. T. & Head & Neck Surgery Department and Prof. Jagdish is looking after Audiology & Speech Therapy Department. From 1st January 1988 Dr. D. S. Grewal is appointed as Prof. & Head of E. N. T. Department and there are 2 units, one full-time unit headed by Dr. D. S. Grewal and other part-time unit headed by Dr. N. L. Hiranandani. Each unit attending alternate day O. P. D. and Operation Theatre.

The following were the activities of the department of E. N. T. and Head & Neck Surgery during the year 1987 :—

O. P. D. Services :—

The total No. of patients attended E. N. T. O. P. D. during the year 1987 were 13,572. In addition old cases of the previous years requiring follow-up and treatment have been attended.

Operative Session :

Operations like Myringoplasty, Facial Nerve Palsy, Mastoidectomy, Sac Decompression, Ausiculoplasty, Myringotomy, V. N. S., S. M. R., Caldwell Luc, Polypectomy, Laryngectomy, Glossectomy, and excision Ca Cheek, Ca Tonsil, Ca Maxilla etc. are performed. The total number of operation performed during the year 1987 were 1484.

Post Operative Clinic :

Every Wednesday and Thursday respectively by Unit I and Unit II at 2.00 p.m. in E. N. T. Department.

E. N. G. Clinic :

Patients of vertigo, deafness and tinnitus have been referred from the Out-patient Department of E. N. T. Patients history and clinical examination is done. Following this they are referred from O. P. D. for Electronystagmography. These patients are further followed up on Wednesday and Friday at the E. N. G. Clinic conducted in L. C. V. R. Laboratory of E. N. T. Department at 11.30 a.m. They are given treatment and further follow-up is done at periods of 2 weeks. Further investigations, if necessary, for Radiography, Blood examination etc. are also advised, 100 new cases have been thus investigated and treated in the year 1987. The old cases have also been followed up as required.

BERA TEST :

We have started the facility of Brain-stem Evoked Response Audiometry from January 1986. This is a unique investigation and only this department amongst all the Municipal Corporation Hospitals having this facility. This facility help in diagnosis, the deafness even in New Born and helps in diagnosis of early acoustic neuromas. These tests were carried out by Prof. R. K. Jagdeesh and Smt. G. B. Gore, Asstt. Prof. of A. S. T. Department. The total number of BERA done during the year 1987 were 331.

School Clinic :

Works for 6 days in a week in O. P. D. No. 8 from 1 p.m. to 3 p.m.

Peripheral Activities :—**a. E. N. T. Hospital :—**

Dr. A. G. Pusalkar, Prof. and Head of the Department and Head and Neck Surgery and Head of A. S. T. S. was visiting E. N. T. Hospital on every Tuesday and Dr. N. L. Hiranandani, Hon. and Prof. E. N. T. Surgeon was visiting E. N. T. twice a week till 1st December 1987. After this, no doctor from Nair Hospital is attending E. N. T. Hospital.

b. Bombay Hospital :—

Dr. N. L. Hiranandani, Hon. and Prof. of E. N. T. Surgeon continues to visit Bombay Hospital twice a week.

Teaching Activities :**a. Undergraduate Students :—**

Lecture series and clinical term.

b. Post-graduate Students :—

The post-graduate teachers of department guide, prepare the post-graduate students in their thesis work for M. S. Examination in E. N. T. of University of Bombay. Regular clinics with case discussions are held and selected topics are discussed where Honorary, Full-time E. N. T. Professor, Reader, Lecturers with Post-graduate Students.

c. Speech Therapy Students :—

Lectures in E. N. T. are held for the B.Sc. students of our college.

d. Nursing Students :—

Lectures in E. N. T. are held for teaching nursing students of our institute.

Courses :

The following course was organised during the year 1987 :—

— 3rd advanced course in Microsurgery of the ear parotid gland conducted by Dr. H. L. Hiranandani, Dr. A. G. Pusalkar, Dr. D. Plester, Dr. J. Helmes, Dr. Hildmann and Dr. Steinbach from 18th to 21st November 1987.

During the course, Dr. Plester, Dr. Helmes etc. demonstrated the surgical techniques on close circuit T. V. by Video Sessions. This course was attended by 46 participants from various parts of India and was extremely beneficial to them.

General :

This department is very often having Indian and Foreign surgeons as visitors, observers and for academic courses, where exchange of knowledge regarding the latest advances in surgery taken place.

32. DEPARTMENT OF ORTHOPAEDIC :

1. O.P.D. Attendance. ... 15,558

2. Indoor Admission. ... 1,913

3. Total Operations. ... 1,056

4. Special activities :—

1. Reaction of bone to cement and joint replacement.

2. Pulsed electromagnetic Bone Induction one of the lecturers has designed a P. E. N. induction device.

3. Clinical comparison of semi non invasive methods of bone induction.

4. PLIF for Lumbar degenerative disorder.

5. Tumor excision and reconstruction.

6. Acetabular fracture's and management.

7. Interfrag. screw with intramedullar nailing.

33. DEPARTMENT OF HAEMATOLOGY ;

The O. P. D. functions twice a Week on Monday and Friday. 593 new cases have seen in the Haematology Department. The old cases seen during the previous year who required follow-up and treatment have been attending regularly as per appointments. Average number of patients under treatment care and observation in the hospital were about 25-40 daily throughout the year.

| | | |
|-----------------------------|-----|-------|
| Total No. of new cases | ... | 593 |
| Total No. of cases | ... | 3840 |
| Total No. of investigations | ... | 59336 |

In the post graduate teaching programme organized by Bombay Haematology Group at Institute of Immuno Haematology following lectures were delivered :—

1. Dr. A. J. Desai delivered lecture on 'Anaemia' an approach to diagnosis.
2. Dr. N. B. Mehta delivered lecture on 'Qualitative disorders of Platelets'.
3. Dr. S. K. Bichile delivered lecture on preleukemia.

The department actively participated in the Vth Congress of International Society of Haematology and Blood Transfusion, Asian pacific division, held in Bombay.

Dr. A. J. Desai, Dr. S. K. Bichile, Dr. N. B. Mehta, Dr. M. M. Desai, Dr. Priya Gidwani, Dr. Manish Chandalia, Dr. A. P. Lalani, Dr. S. S. Vaidya, Mrs. Jayshree Manek, Mr. P. R. Pangam participated in the Asian Pacific Conference in December 1987.

Following cases were presented at the monthly clinical meeting of Bombay Haematology Group held at our hospital.

1. Dr. M. M. Desai presented a case of 'Adult all with a review'.
2. Dr. N. B. Mehta presented on Serum Ferritin values in various groups.
3. Dr. M. M. Desai presented a case of 'CML with unusual features'.
4. Dr. M. M. Desai presented a case on 'Secondary Autoimmune Haemolytic anaemia with a review'.
5. Dr. Priya Gidwani presented a case of 'Neonatal Thrombocytopenia'.
6. Dr. S. S. Vaisya presented a case of 'Intra cranial haematoma in a haemophiliac'.
7. Dr. A. P. Lalani presented a case of 'CML with blast crisis follow up'.

1. Dr. Martin Cline from UCLA visited our department and presented his work on 'Macrophage'.
2. Dr. Fuchaeron from Thailand visited our department and presented his work on 'HbE Thalassaemia'.
3. Dr. Gundu H. R. Rao, U.S.A. presented his work on 'Platelets, prostaglandins and Thrombosis' in our auditorium organised by our department on behalf of B. H. G.

Following new-techniques were established of our department in year 1987 :—

1. Serum Ferriting by Radio Immuno Assay.
2. Antithrombin III.
3. Plasminogen Values.
4. Leukocyte Alkaline Phosphatase.

Award :—Award of Dr. L. D. Sanghavi's prize for Epidemiological Research in Haematology for the paper 'Detection of Anaemia and Iron stores in school girls.'

34. KASTURBA HYPERBARIC CHAMBER :

| | | |
|-------------------------|-----|-----|
| Patients | ... | 155 |
| Total Sitzings | ... | 928 |
| Septic Patients | ... | 99 |
| Aspectic Patients | ... | 56 |
| Gas Gang. & Cul. Neg. | ... | 22 |
| Gas Gang. & Cul. Posi | ... | 6 |
| Non gas gang. patients. | ... | 127 |

35. UROLOGY DEPARTMENT :

The O. P. D. functions twice a week on Tuesday Fridays with average O. P. D. attendance of 15-20 patients. 261 Indoor patients were referred for the Urological services in 1987.

All major and minor Urological operations are conducted and the percutaneous nephrolithotomy alongwith the ultrasonic lithotripsy facilities are now being carried out. We have done 9 of the above so far.

| | | |
|------------------|-----|-----|
| Major operations | ... | 177 |
| Minor operations | ... | 234 |
| Total | ... | 411 |

35. NURSING :

The total No. of students admitted for General Nursing and Midwifery in 1987 are 69 and 28 passed.

The No. of students appeared for Midwifery are 28 and 28 passed.

The No. of students appeared for part II exam. are 42 and 40 passed.

The No. of students appeared for Part I exam. are 104 and 69 passed.

The No. of students discontinued from training are 43.

The No. of students left the institution are 3.

The No. of students transferred to Cooper Hospital are 1.

The No. of students discontinued after training for want of post are 3.

The No. of staff nurses left the institution are 29.

In the month of February picnic was arranged for trained staff and Student Nurses to "Chota Kashmir"

In the month of February sports were arranged for trained staff and students on Haji Ali ground. Variety entertainment and prize were distributed in December.

In the month of May 1987 Fare Well party was arranged for Sister Annamma Mathew.

In the month of May Mayor's award was given to staff nurse Smt. Alka D. Rane.

In the month of November 1987 Fare Well party was arranged for Smt. Mariamma Mathew P. H. N.

37. TOPIWALA NATIONAL MEDICAL COLLEGE :

The college has been permanently affiliated to the University of Bombay for teaching the course of students leading upto M. B. B. S. and post graduate examinations.

The College has also been affiliated to the University of Bombay for teaching the courses of studies leading to B.Sc. (Audiology and Speech Therapy) degree examination.

546 undergraduate students (263 ladies) and 250 post-graduate students (105 ladies) were on the roll at the end of the year :—

Students on roll as on 1-8-1987 :—

| Class. | Male | Female | Total. |
|-----------------------------|------|--------|--------|
| III M. B. B. S. Casual. | 23 | 7 | 30 |
| III M. B. B. S. IIIrd term. | 47 | 40 | 87 |
| III M. B. B. S. IIrd term. | 12 | 4 | 16 |
| III M. B. B. S. Ist term. | 50 | 41 | 91 |
| II M. B. B. S. IIIrd term. | 9 | 3 | 12 |
| II M. B. B. S. IIrd term. | 42 | 43 | 85 |
| II M. B. B. S. Ist term. | 11 | 4 | 15 |
| I M. B. B. S. IIIrd term. | 5 | 4 | 9 |
| I M. B. B. S. IIrd term. | 43 | 57 | 100 |
| I M. B. B. S. Ist term. | 41 | 60 | 101 |
| Total. | 283 | 263 | 546 |

Post graduate on roll as on 1-8-1987 :—

| Name of degree & diploma | Male | Female | Total. |
|--------------------------|------|--------|--------|
| M. D. (Gen. Méd.) | 18 | 15 | 33 |
| M. D. (Pathology) | 6 | 2 | 8 |
| M. D. (Microbiology) | 4 | 1 | 5 |
| M. D. (Obst. & Gynaec.) | 8 | 13 | 21 |
| M. D. (Paediatrics) | 8 | 6 | 14 |
| M. D. (Skin & V. D.) | 1 | 2 | 3 |
| M. D. (T.B. & Chest) | 5 | — | 5 |
| M. D. (Psychiatry) | 1 | — | 1 |
| M. D. (P. S. M.) | 2 | 1 | 3 |
| M. D. (Radio-diag.) | 1 | 1 | 2 |
| M. D. (Anaesthesiology) | 7 | 8 | 15 |
| M. D. (Physiology) | 1 | 1 | 2 |
| M. D. (Pharmacology) | 3 | 1 | 4 |
| M. D. (Cardiology) | 2 | — | 2 |
| M. D. (Neurology) | 1 | — | 1 |
| M. D. (Gastroenterology) | 2 | — | 2 |
| Total : | 70 | 51 | 121 |

| Name of degree & diploma | Male | Female | Total. |
|---------------------------|------|--------|--------|
| M. S. (Gen. Surg.) | 29 | 1 | 30 |
| M. S. (Orthopaedics) | 12 | — | 12 |
| M. S. (Ophthalmology) | 5 | 8 | 13 |
| M. S. (E. N. T.) | 4 | 3 | 7 |
| M. Ch. (Plastic Surgery) | 2 | — | 2 |
| M. Ch. (Neurosurgery) | 2 | — | 2 |
| M. Ch. (Thoracic Surgery) | 2 | — | 2 |
| Total. | 56 | 12 | 68 |

| Name of degree & diploma | Male | Female | Total. |
|--------------------------------|------|--------|--------|
| D. A. | — | 3 | 3 |
| D.P.H. (P I) & DPH (P II) | 3 | — | 3 |
| D. V. D. | 4 | 2 | 6 |
| D. P. M. (P I) & D.P.M. (P II) | 8 | — | 8 |
| D.M.R.D. (P I) | 6 | 2 | 8 |
| D.M.R.D. (P II) | 2 | — | 2 |
| D.F.M. | 1 | — | 1 |
| Total : | 24 | 7 | 31 |

| | | | |
|-------------------------------|---|----|----|
| D.M.L.T. | 1 | 9 | 10 |
| M. Sc. (Biochem.) P I. | 1 | 3 | 4 |
| M. Sc. (Biochem) P II. | 1 | 10 | 11 |
| M. Sc. (Physical Therapy) | — | 9 | 10 |
| M. Sc. (Occupational Therapy) | — | — | — |
| Total. | 4 | 35 | 29 |

Grand Total : 154 105 259

38. TOPIWALA NATIONAL MEDICAL COLLEGE LIBRARY :—

The library of T. N. Medical College & B. Y. L. Nair Ch. Hospital is well maintained and information stored are easily accessible. Library services are caters to 3000 regular members including undergraduates and post-graduates students, Residential Doctors, Scientific Officers, Nurses, Physicians, Research Assistants and Other Paramedical Staff. The zerox facility is also made available by Nair Golden Jubilee Research Foundation. The lending facility is also made available to nearly 200 undergraduate students through Dr. A. V. Baliga Lending unit.

Comparative statistical table of various activities at the Library is as follows :—

| COLLECTION : | 1987-88 | 1986-87 |
|--|----------------|----------------|
| A. BOOKS: | | |
| 1. Total No. of books added in the collection of Central Library. | 607 | 758 |
| 2. Purchase for Central Library from the current year grant. | 243 | 378 |
| 3. Received as grants from various sources. | 97 | 148 |
| 4. Kept in the library for reference only. | 109 | 170 |
| 5. Text Books purchase (as new edition published) for undergraduates. | 37 | 30 |
| 6. Transferred to various departments for quick reference from separate grant for departments. | 267 | 206 |
| 7. No. of books withdrawn from collection as became old edition. | 26 | 28 |
| B. PERIODICALS : | 1987-88 | 1986-87 |
| 1. Subscribed. | 290 | 289 |
| 2. Donated. | 156 | 80 |
| C. THESIS : | | |
| 1. Added during. | 70 | 102 |
| D. BOUND JOURNALS : | | |
| Added during. | 200 | 400 |

ACTIVITIES :

| | | |
|--|--------|--------|
| a. No. of books & periodicals issued on premises for reference in the library. | 46,880 | 69,003 |
| b. No. of books, periodicals issued for home reading. | 2,095 | 2,416 |
| c. No. of thesis reference on premises in the library. | 425 | 620 |
| d. No. of books/periodicals loaned on interlibrary loan to the other libraries including Xerox facilities. | 122 | 130 |
| e. No. of books/periodicals borrowed on interlibrary load. | 10 | 25 |
| f. Back issues of periodicals received from other libraries as gratis. | Nil | 4 |
| g. Back issues of periodicals donated to other libraries from our duplicate collection. | Nil | 25 |
| h. No. of reference used by outsiders. | 800 | 931 |
| i. No. of reference queries attended by Library staff/ Librarian. | 350 | 780 |

The library at the end of the year has 33,034 books 16679 Bound volumes of periodicals, 1812 theses and 1765 teaching alides and one audio cassette.

39. DR. BHAJEKAR MUNICIPAL HOSPITAL :

The skin and Ophthalmic wards are shifted to Dr. Bhajekar Hospital from 1st April 1984 as the Annex Building of Nair Hospital where wards were housed was to be repaired.

Sd/-
DR. (MRS.) P. M. PAI,
DEAN
B.Y.L. NAIR CH. HOSPITAL &
T. N. MEDICAL COLLEGE,
BOMBAY — 8.

APPENDIX — I**B. Y. L. NAIR CH. HOSPITAL, BOMBAY—8.**

With effect from 6th September 1986 the distribution of beds of this hospital will be as under :-

| S. No. | Department. | Male | Female | Children | Total. |
|---------------|-------------------------------|------------|------------|-----------|------------|
| 1. | Medical. | 99 | 39 | — | 138 |
| 2. | Surgical. | 102 | 38 | — | 140 |
| 3. | Gynaec. | — | 39 | — | 39 |
| 4. | Obstetric. | — | 54 | — | 54 |
| 5. | Premature. | — | — | 6 | 6 |
| 6. | Ophthalmic, Cataract beds. | 24 6 | 12 — | — — | 36 6 |
| 7. | Paediatric (Including IPCU). | — | — | 51 | 51 |
| 8. | Skin & V. D. | 12 | 4 | — | 16 |
| 9. | E. N. T. | 26 | 10 | — | 36 |
| 10. | Orthopaedic. | 70 | 12 | — | 82 |
| 11. | Tuberculosis. | 19 | 5 | — | 24 |
| 12. | Psychiatric. | 23 | 23 | — | 46 |
| 13. | Cardiology. | 8 | 3 | — | 11 |
| 14. | I. C. C. U. | 6 | — | — | 6 |
| 15. | C. V. T. S. | 7 | 4 | — | 11 |
| 16. | I. C. C. U. | 4 | — | — | 4 |
| 17. | Neurology. | 15 | 2 | — | 17 |
| 18. | Neurosurgery. | 13 | 4 | — | 17 |
| 19. | Plastic-Surgery. | 11 | 5 | — | 16 |
| 20. | Gastro-enterology. | 22 | 3 | — | 25 |
| 21. | Gastro-enterology (S). | 3 | 2 | — | 5 |
| 22. | Haematology. | 6 | 4 | — | 10 |
| 23. | Paediatric Surgery. | — | — | 2 | 2 |
| 24. | Renal (Medical). | 7 | 2 | — | 9 |
| 25. | Renal (Surgical). | 1 | 1 | — | 2 |
| 26. | Diabetic. | 3 | 2 | — | 5 |
| 27. | Rheumatology. | 3 | 2 | — | 5 |
| 28. | Genitourinary (S). | 2 | 2 | — | 4 |
| 29. | M. A. C. U. | 12 | — | — | 12 |
| 30. | Paying Wards. | 10 | 10 | — | 20 |
| 31. | Isolation Wards. | 5 | — | — | 5 |
| 32. | Observation Ward. | 8 | — | — | 8 |
| 33. | Artificial Kidney Dept. | 2 | — | — | 2 |
| Total. | | 529 | 282 | 59 | 870 |

APPENDIX—II.

The number of accident cases treated.

| Sex. | Treated in Casualty Department. | | Admitted through Casualty Department. | | |
|----------|---------------------------------|-------|---------------------------------------|-------|-----|
| | 1986 | 1987 | 1986 | 1987 | |
| Male. | 13159 | 13380 | 3155 | 3234 | |
| Female. | 2996 | 2969 | 1016 | 939 | |
| Children | Male. | 2640 | 2762 | 609 | 709 |
| | Female. | 1287 | 1343 | 337 | 386 |
| Total. | 20082 | 20454 | 5117 | 5268. | |

APPENDIX — III.

Statement showing the details of cost per day per in-patient and out-patient :—

| Year. | Diet | Drugs Dressing etc. | Stores and Linen. | Heating Lighting & Repairs. | Establishment. | Total. |
|----------------------|--------|---------------------|-------------------|-----------------------------|----------------|--------|
| | Rs. P. | Rs. P. | Rs. P. | Rs. P. | Rs. P. | Rs. P. |
| Indoor :— | | | | | | |
| 1987 | 7.12 | 21.26 | 2.59 | 9.96 | 98.91 | 139.84 |
| 1986 | 6.41 | 22.92 | 6.65 | 7.25 | 42.30 | 85.53 |
| Outpatient :— | | | | | | |
| 1987 | — | 3.33 | 1.41 | 1.56 | 15.50 | 20.80 |
| 1986 | — | 3.00 | 2.80 | 1.05 | 12.35 | 19.20 |

APPENDIX NO. IV.

Statement showing the Out-patients (New O. P. D., Casualty) in the B. Y. L. Nair Charitable Hospital during the year 1986. Classification according to the Department, Sex and Age.

| Department. | O. P. D. New cases. | | | | Total | Casualty Cases. | | | | Total. |
|------------------------|---------------------|--------------|--------------|--------------|---------------|-----------------|-------------|-------------|-------------|--------------|
| | Male | Female | M/ch. | F/ch. | | Male | Female | M/ch. | F/ch. | |
| Medical. | 24927 | 13722 | — | — | 28649 | 1245 | 574 | — | — | 1819 |
| Surgical. | 16801 | 5237 | 2368 | 1384 | 25790 | 9072 | 1787 | 1858 | 893 | 13610 |
| Ophthalmic. | 5240 | 2775 | 579 | 403 | 8997 | 245 | 27 | 27 | 5 | 304 |
| Gynaec. | — | 5609 | — | — | 5609 | — | 23 | — | 2 | 25 |
| Skin. | 10689 | 4349 | 3141 | 2194 | 20373 | 80 | 2 | 2 | 2 | 86 |
| Aural. | 5766 | 3738 | 2206 | 1545 | 13253 | 199 | 45 | 47 | 28 | 319 |
| Orthopaedic. | 6776 | 3893 | 1023 | 566 | 12458 | 2008 | 438 | 455 | 199 | 3100 |
| Paediatric. | — | — | 9993 | 7583 | 17576 | — | — | 237 | 167 | 404 |
| Maternity. | — | 4455 | — | — | 4455 | — | — | — | — | — |
| T. B. | 1692 | 752 | — | — | 2444 | 7 | — | — | — | 7 |
| Cardiology (Med.) | 709 | 365 | 153 | 115 | 1342 | — | — | — | — | — |
| Gastroenterology. | 312 | 166 | 7 | 8 | 493 | 1 | 1 | — | — | 2 |
| Psychiatric. | 2053 | 937 | 132 | 68 | 3190 | 35 | 11 | 1 | 1 | 48 |
| Rheumatic. | 108 | 276 | 8 | 4 | 396 | — | — | — | — | — |
| Neurosurgery. | 384 | 208 | 81 | 28 | 701 | 20 | — | 3 | 1 | 24 |
| Neurology. | 388 | 206 | 65 | 55 | 714 | 4 | — | 1 | — | 5 |
| Plastic Surgery. | 169 | 68 | 53 | 54 | 334 | 301 | 29 | 65 | 28 | 423 |
| G. E. S. S. | 44 | 12 | 11 | 5 | 72 | — | — | — | — | — |
| Renal Surgery. | 174 | 77 | 6 | 2 | 259 | 3 | — | — | — | 3 |
| G. U. S. S. | 95 | 24 | 13 | 4 | 156 | — | — | — | — | — |
| Thyroid (Surgery). | 32 | 159 | — | 4 | 195 | — | — | — | — | — |
| Anti Rabies. | 1511 | 335 | 409 | 310 | 2565 | 154 | 32 | 65 | 17 | 268 |
| New Born. | — | — | 553 | 431 | 984 | — | — | — | — | — |
| Special Care. | — | — | 26 | 16 | 42 | — | — | — | — | — |
| Paediatric Surgery. | — | — | 16 | 14 | 30 | — | — | 1 | — | 1 |
| Diabetes. | 91 | 74 | — | — | 165 | 2 | — | — | — | 2 |
| Haematology. | 57 | 45 | 32 | 17 | 151 | 2 | — | — | — | — |
| Asthma. | 49 | 26 | — | 1 | 76 | — | — | — | — | — |
| Hypertension. | 15 | 4 | — | — | 19 | — | — | — | — | — |
| Cardiology (Surgical). | 193 | 132 | 34 | 29 | 388 | 2 | — | — | — | 2 |
| Endocrinology. | 49 | 75 | 12 | 12 | 148 | — | — | — | — | — |
| Grand Total | 78524 | 47717 | 20921 | 14842 | 182004 | 13380 | 2959 | 2762 | 1343 | 20454 |

APPENDIX NO. V.
Summary of In-patient classified according to department and Sex :—

| Department. | Sex. | In the hospital on mid-night of 31-12-86 | Admitted during the year. | Total | Cured. | Discharged Other-wise. | Deaths. | Remaining in the hospital on mid-night of 31-12-87. |
|-------------------|---------------|--|---------------------------|-------------|-------------|------------------------|------------|---|
| Medical. | Male. | 112 | 4407 | 4519 | 2187 | 1710 | 555 | 87 |
| | Female. | 68 | 2253 | 2321 | 1848 | 135 | 284 | 54 |
| | Total | 180 | 6660 | 6840 | 4015 | 1845 | 839 | 141 |
| Surgical. | Male. | 114 | 6071 | 6185 | 3946 | 1882 | 257 | 100 |
| | Female. | 42 | 1776 | 1818 | 1257 | 386 | 131 | 44 |
| | Male Child. | 8 | 816 | 824 | 817 | 191 | 14 | 2 |
| | Female Child. | 2 | 418 | 420 | 369 | 35 | 11 | 5 |
| | Total | 166 | 9081 | 9247 | 6189 | 2494 | 413 | 151 |
| Ophthalmic. | Male. | 14 | 499 | 513 | 343 | 160 | 2 | 8 |
| | Female. | 10 | 343 | 353 | 312 | 34 | 2 | 5 |
| | Male Child. | 1 | 40 | 41 | 28 | 12 | — | 1 |
| | Female Child. | — | 13 | 13 | 9 | 4 | — | — |
| | Total | 25 | 895 | 920 | 692 | 210 | 4 | 14 |
| Gynsec. | Female. | 25 | 1526 | 1551 | 1211 | 298 | 2 | 40 |
| | Female Child. | — | — | — | — | — | — | — |
| Total | 25 | 1526 | 1551 | 1211 | 298 | 2 | 40 | |
| Skin & V. D. | Male. | 9 | 101 | 110 | 90 | 14 | 1 | 5 |
| | Female. | 1 | 34 | 35 | 20 | 12 | — | 3 |
| | Male Child. | — | 2 | 3 | 2 | — | — | 1 |
| | Female Child. | — | 3 | 3 | 2 | 1 | — | — |
| | Total | 10 | 141 | 151 | 114 | 27 | 1 | 9 |
| E. N. T. | Male. | 27 | 877 | 904 | 858 | 24 | 15 | 7 |
| | Female. | 8 | 531 | 539 | 521 | 11 | 5 | 2 |
| | Male Child. | 2 | 263 | 265 | 243 | 20 | — | 2 |
| | Female Child. | 1 | 256 | 257 | 226 | 31 | — | — |
| | Total | 38 | 1927 | 1965 | 1848 | 86 | 20 | 11 |
| Orthopaedic. | Male. | 74 | 1185 | 1259 | 577 | 599 | 11 | 72 |
| | Female. | 26 | 347 | 373 | 150 | 200 | 6 | 17 |
| | Male Child. | 9 | 275 | 284 | 148 | 129 | 1 | 6 |
| | Female Child. | 2 | 106 | 108 | 67 | 33 | — | 8 |
| | Total | 111 | 1913 | 2024 | 942 | 961 | 18 | 103 |
| Paediatric. | Male Child. | 19 | 1447 | 1466 | 1043 | 216 | 185 | 22 |
| | Female Child. | 17 | 1087 | 1104 | 866 | 68 | 149 | 21 |
| | Total | 36 | 2534 | 2570 | 1909 | 284 | 334 | 43 |
| Maternity. | Female. | 53 | 3644 | 3697 | — | 3668 | 1 | 28 |
| | Total | 53 | 3644 | 3697 | — | 3668 | 1 | 28 |
| T. B. | Male. | 3 | 222 | 225 | — | 215 | 7 | 3 |
| | Female. | 1 | 88 | 89 | — | 83 | 4 | 2 |
| | Total | 4 | 310 | 314 | — | 298 | 11 | 5 |
| Cardiology. | Male. | 8 | 346 | 354 | — | 339 | 12 | 3 |
| | Female. | 8 | 158 | 166 | — | 159 | 3 | 4 |
| | Male Child. | 2 | 81 | 83 | — | 82 | 1 | — |
| | Female Child. | — | 50 | 50 | — | 48 | 2 | — |
| | Total | 18 | 635 | 653 | — | 628 | 18 | 7 |
| Gastroenterology. | Male. | 5 | 308 | 313 | — | 286 | 16 | 11 |
| | Female. | 5 | 164 | 169 | — | 148 | 3 | 8 |
| | Male Child. | — | 13 | 13 | — | 13 | — | — |
| | Female Child. | — | 6 | 6 | — | 6 | — | — |
| | Total | 10 | 481 | 491 | — | 453 | 19 | 19 |
| Renal. | Male. | 5 | 207 | 212 | — | 180 | 28 | 4 |
| | Female. | 2 | 89 | 91 | — | 69 | 17 | 5 |
| | Male Child. | — | 4 | 4 | — | 4 | — | — |
| | Female Child. | — | 4 | 4 | — | 4 | — | — |
| | Total | 7 | 304 | 311 | — | 257 | 45 | 9 |

| Department. | Sex. | In the hospital on mid-night of 31-12-86 | Admitted during the year. | Total | Cured. | Discharged Otherwise. | Deaths. 31-12-87. | Remaining in the hospital on mid-night of 31-12-87. |
|------------------------------------|---------------|--|---------------------------|-------|--------|-----------------------|-------------------|---|
| Cardiac Surgery. | Male. | 10 | 165 | 175 | — | 151 | 17 | 7 |
| | Female. | 11 | 98 | 109 | — | 87 | 14 | 8 |
| | Male Child. | 2 | 32 | 34 | — | 18 | 12 | 4 |
| | Female Child. | — | 27 | 27 | — | 20 | 7 | — |
| | Total. | | 23 | 322 | 345 | — | 276 | 50 |
| Psychiatric. | Male. | 18 | 790 | 808 | 121 | 657 | 1 | 29 |
| | Female. | 9 | 335 | 344 | 89 | 245 | 1 | 9 |
| | Male Child. | — | 6 | 6 | — | 6 | — | — |
| | Female Child. | — | 3 | 3 | — | 3 | — | — |
| | Total. | | 27 | 1134 | 1161 | 210 | 911 | 2 |
| Rheumatic & Collagen Disease. | Male. | 1 | 52 | 53 | — | 52 | — | 1 |
| | Female. | — | 52 | 52 | — | 52 | — | — |
| | Male Child. | 1 | 7 | 8 | — | 8 | — | — |
| | Female Child. | — | 2 | 2 | — | 2 | — | — |
| | Total. | | 2 | 113 | 115 | — | 114 | — |
| Neurology. | Male. | 12 | 188 | 200 | — | 180 | 7 | 13 |
| | Female. | 6 | 71 | 77 | — | 70 | 1 | 6 |
| | Male Child. | — | 27 | 27 | — | 25 | 1 | 1 |
| | Female Child. | — | 6 | 6 | — | 6 | — | — |
| | Total. | | 18 | 292 | 310 | — | 281 | 9 |
| Neurosurgery. | Male. | 17 | 261 | 278 | — | 205 | 45 | 28 |
| | Female. | 7 | 97 | 104 | — | 93 | 4 | 7 |
| | Male Child. | 4 | 53 | 57 | — | 49 | 5 | 3 |
| | Female Child. | 1 | 26 | 27 | — | 23 | 4 | — |
| | Total. | | 29 | 437 | 466 | — | 370 | 58 |
| Thyroid Surgery. | Male. | — | 4 | 4 | — | 4 | — | — |
| | Female. | — | — | — | — | — | — | — |
| | Total. | | 4 | 4 | — | 4 | — | — |
| Plastic Surgery. | Male. | 12 | 266 | 278 | — | 269 | — | 9 |
| | Female. | 4 | 53 | 57 | — | 56 | — | 1 |
| | Male Child. | 2 | 88 | 90 | — | 89 | — | 1 |
| | Female Child. | 1 | 54 | 55 | — | 53 | — | 2 |
| | Total. | | 19 | 461 | 480 | — | 467 | — |
| Gastroenterology Surgical Service. | Male. | 4 | 130 | 134 | — | 131 | — | 3 |
| | Female. | — | 30 | 30 | — | 30 | — | — |
| | Male Child. | — | 11 | 11 | — | 11 | — | — |
| | Female Child. | — | 4 | 4 | — | 4 | — | — |
| | Total. | | 4 | 175 | 179 | — | 176 | — |
| Genito Urinary Surgical Service. | Male. | — | 106 | 106 | — | 106 | — | — |
| | Female. | — | 5 | 5 | — | 5 | — | — |
| | Male Child. | — | 4 | 4 | — | 4 | — | — |
| | Female Child. | — | 2 | 2 | — | 2 | — | — |
| | Total. | | — | 117 | 117 | — | 117 | — |
| Diabetes. | Male. | 8 | 118 | 126 | — | 114 | 4 | 8 |
| | Female. | — | 54 | 54 | — | 54 | — | — |
| | Total. | | 8 | 172 | 180 | — | 168 | 4 |
| Haematology. | Male. | — | 107 | 107 | — | 100 | 1 | 6 |
| | Female. | — | 70 | 70 | — | 65 | 2 | 3 |
| | Male Child. | — | 178 | 178 | — | 172 | 5 | 1 |
| | Female Child. | — | 71 | 71 | — | 70 | 1 | — |
| | Total. | | — | 426 | 426 | — | 407 | 9 |
| Asthma. | Male. | — | 15 | 15 | — | 15 | — | — |
| | Female. | — | 9 | 9 | — | 9 | — | — |
| | Total. | | — | 24 | 24 | — | 24 | — |
| Paediatric Surgery. | Male Child. | — | 91 | 91 | — | 85 | 2 | 4 |
| | Female Child. | — | 57 | 57 | — | 57 | — | — |
| | Total. | | — | 148 | 148 | — | 142 | 2 |

| Department. | Sex. | In the hospital on mid-night of 31-12-86 | Admitted during the year. | Total | Cured. | Discharged Otherwise. | Deaths. | Remaining in the hospital on mid-night of 31-12-87. |
|----------------|---------------|--|---------------------------|-------|--------|-----------------------|---------|---|
| Hypertension. | Male. | — | — | — | — | — | — | — |
| | Female. | — | — | — | — | — | — | — |
| | Male Child. | — | — | — | — | — | — | — |
| | Female Child. | — | — | — | — | — | — | — |
| | Total | — | 1 | 1 | — | — | — | — |
| Endocrinology. | Male. | — | 1 | 1 | — | — | — | — |
| | Female. | — | — | — | — | — | — | — |
| | Total | — | 1 | 1 | — | — | — | — |
| Grand Total | | 813 | 33878 | 34691 | 17030 | 11298 | 1859 | 734 |

APPENDIX NO. VI.

CENTRAL LABORATORIES :

Investigations carried out in the Central Clinical Laboratory (O. P. D. 16) during the year 1987 — January to December 1987.

Routine investigations :—

| | | | |
|---------------------|-------|---------------------|-------|
| Blood count and Hb. | 18092 | Urine. | 12567 |
| Stool. | 5292 | Occult Blood. | 487 |
| E. S. R. Test. | 6076 | Sputum. | 1571 |
| C. S. F. Routine. | 1519 | Pleural Fluid. | 330 |
| Acetic Fluid. | 55 | Blood Urea. | 2276 |
| Blood Sugar. | 3489 | Throat swab | 10 |
| Blood M. P. | 375 | Blood S. Bilirubin. | 149 |
| Blood S. Amylase | 70 | | |
| | | Total: | 52358 |

Collection of Material (Blood) :—

| | | | |
|----------------------------|------|---------------------------|-------|
| Blood Urea. | 3012 | Blood Sugar. | 4859 |
| Blood for P. P. Sugar. | 3136 | Blood for R. A. tests. | 1845 |
| Blood S. Cholesterol. | 786 | Blood Uric Acid. | 182 |
| Blood S. Protein. | 394 | Blood Serum Calcium. | 242 |
| Blood L. F. T. | 342 | Blood V. D. R. L. | 1562 |
| Blood S. Alk. Phosphatase. | 328 | Blood S.G.O.T. & S.G.P.T. | 757 |
| Blood S. Creatinine | 2286 | Blood S. Electrolytes. | 1472 |
| Blood S. Bilirubin. | 282 | Blood Widal. | 371 |
| Blood S. Lithium. | 56 | Blood S. Lipid. | 33 |
| Blood S. Acid Phosphatase. | 35 | Blood S. Phosphorus. | 342 |
| Blood A. S. O. Titer. | 19 | | |
| | | Total : | 22341 |

INVESTIGATIONS DEPARTMENT WISE

1. (1) DEPARTMENT OF PATHOLOGY.

SURGICAL HISTOPATHOLOGY SECTION :—

| | |
|--|------|
| 1. Surgical tissue received. | 4273 |
| 2. E. N. T. tissue received. | 409 |
| 3. Santacruz Hospital tissue received. | 487 |
| 4. Total Nos. of blocks prepared. | 9245 |

Details of Surgical slides prepared :-

| | |
|---|------|
| 1. Surgical slides. | 9600 |
| 2. E. N. T. slides. | 900 |
| 3. Santacruz Hospital slides. | 800 |
| 4. Skin Department. | 250 |
| 5. Medicine Department. | 62 |
| 6. G. E. Department. | 360 |
| 7. Practical class. | 250 |
| 8. Slides for meeting. | 400 |
| 9. Slides request from staff. | 650 |
| 10. Duplicate slides. | 1368 |
| 11. Special stains. | 1736 |
| 12. Tata Hospital. | 141 |
| 13. Post graduate students. | 800 |
| 14. Frozen section (total No. 14). | 70 |
| 15. Ray Road (Ahilzabai Holkar Hospital). | 28 |
| 16. Project study (total No. 18). | 400 |

Total 18715

CYTOLOGY

Total Number of Cytology done :-

| | |
|---|------|
| 1. Samples received for cytological examination. | 1296 |
| 2. Cytology slides. | 3640 |
| 3. Cytology blocks prepared. | 115 |
| 4. Aspiration done. | 891 |
| 5. Fluids received. | 405 |
| Fluids : | |
| 1. Ascitic fluids. | 88 |
| 2. Pleural fluids. | 56 |
| 3. Sputum. | 66 |
| 4. Bronchial. | 69 |
| 5. Urine & C. S. F. | 27 |
| 6. Ovarian cystic. | 10 |
| 7. Dr. Vengasarkar Unit (Neurological cystic fluids). | 3 |
| 8. Miscellaneous fluids. | 98 |
| Aspirations : | |
| 1. Thyroid. | 154 |
| 2. Breast, Lymph node, miscellaneous. | 737 |

HAEMATOLOGY SECTION

The various investigations done in Haematology Section during the year 1987 from January to

December 1987 :-

| | | | |
|----------------------|------|-------------------------|-----|
| Complete Haemograms. | 5568 | Hb, B.T., C.T. | 944 |
| Platelet counts. | 1067 | Retic count. | 968 |
| Malarial Parasite. | 746 | Bone marrow. | 57 |
| E. S. R. | 145 | L. E. Cell. | 116 |
| Filarial Parasite. | 18 | Sickle cells. | 16 |
| G-6 P. D. | 10 | Osmotic fragility test. | 2 |

Total : 9657

| | | | |
|-----------------------------|------|----------------------------|------|
| Hydrocele Fluid. | 1 | Synovial Fluid. | 8 |
| Dialysis Fluid. | 12 | Umbilical Swab. | 1 |
| Throat Swab. | 126 | Nasal Swab. | 11 |
| Eas Swab. | 95 | Conjunctival Swab. | 94 |
| Brain Swab. | 10 | Ulcer Swab. | 15 |
| Vaginal Swab/Cervical Swab. | 39 | Urethral Swab Semen. | 37 |
| Tracheal Swab. | 145 | Endometrium. | 54 |
| Bile. | 44 | Stool. | 128 |
| Tissue. | 14 | Eye Swab. | 4 |
| Gastric Aspiration. | 17 | Lymphnode. | 2 |
| C. V. P. & Catheter Tip. | 67 | Anaerobic Culture. | 1053 |
| Tuberculosis Test. | 1077 | Sensitivity Test. | 3960 |
| Post mortem blood culture. | 31 | Post Mortem Miscellaneous. | 28 |
| O. T. Swab for sterility. | 431 | Fungal Culture. | 242 |
| MYCOLOGY | | | |
| C. S. F. | 25 | Sputum. | 36 |
| Urine. | 101 | Stool. | 9 |
| Swabs. | 37 | Skin. | 38 |
| Fluid. | 23 | Miscellaneous | 26 |

Total 295

FOOD HANDLERS' SCHEME.

| | |
|--|------|
| 1. Total No. of food handlers examined. | 1757 |
| 2. Total No. of food handlers' stool examined. | 1757 |
| 3. Total No. of repeat stool examined. | 10 |
| 4. Total No. of food handlers' urine examined. | 1757 |
| 5. No. of Widal test carried out. | 1757 |

P. M. HISTOPATHOLOGY SECTION.

Investigations carried out in the year Post Mortem Histopathology during the year 1987 from January to December 1987 :—

| | |
|--|------|
| Total No. of autopsies | 1018 |
| Total No. of blocks cut & slides prepared. | 8306 |
| Total No. of blocks prepared. | 8306 |

Record of the different type of slides :—

| | |
|--|------|
| 1. Special staining slides. | 4102 |
| 2. Slides for practical class. | 120 |
| 3. Duplicate slides. | 1330 |
| 4. Slides prepared for post graduate students. | 1520 |
| 5. Cytology staining slides. | 1800 |
| 6. Routine slides. | 8306 |

Though 4,000 appointments were given for C.H.G.'s work load increased upto 5568.

CHEMICAL PATHOLOGY.

| | | | |
|-----------------------|-------|-----------------------|-------|
| Blood Sugar. | 29172 | G. T. C. | 5 |
| Blood Urea. | 21605 | Creatinine. | 13590 |
| Creatinine clearance. | 4 | Uric acid. | 1646 |
| Fibrinogen. | 176 | Total Protein. | 7831 |
| Total Albumin. | 7831 | Total Globulin. | 7831 |
| Alk. Phosphatase. | 5629 | Vanden Bergh. | 3675 |
| I. Index. | 3675 | Bilirubin Total. | 3492 |
| Bilirubin Direct. | 3492 | S. G. O. T. | 9352 |
| S. G. P. T. | 9352 | P. T. P. I. | 2303 |
| Inorg. Phosph. | 1685 | Acid phosphatase. | 115 |
| Serum Amylase | 693 | Serum Cholesterol | 4265 |
| C. S. F. sugar | 1614 | C. S. F. Chloride. | 1614 |
| Urobilinogen (Urine) | 9 | Porpholinogen (Urine) | 21 |
| Total Lipid | 82 | Triglyceride. | 82 |
| Phospho Lipid | 82 | Serum L. D. H. | 699 |
| Serum Na | 28887 | Serum K | 28887 |
| Serum Cl. | 28887 | Serum Ca | 3049 |
| Urine Protein | 181 | Urine Creatinine | 6 |
| Urine Na | 185 | Urine K | 185 |
| Urine Cl | 185 | Sweat Na | 2 |
| Sweat Cl | 2 | Sweat Na | 2 |
| V. M. A. | 7 | B. J. Protein | 1 |
| Spectroscopy | 10 | Lithium | 212 |
| Urine Ca | 46 | Urine Phosphate | 46 |
| Serum Copper | 30 | Serum Ceruloplasmin | 30 |

Total : 232462

Total No. of investigations done in Emergency Laboratory during the year 1987 from January to December 1987 :—

| | |
|--|-------|
| 1. Blood gases | 70761 |
| 2. Haemoglobin | 7448 |
| 3. Packed cell volume | 7339 |
| 4. Serum sodium | 8611 |
| 5. Serum Potassium. | 8611 |
| 6. Serum Chloride | 231 |
| 7. Blood Sugar | 636 |
| 8. Blood Urea Nitrogen | 441 |
| 9. Serum Amylase | 140 |
| 10. Smear | 289 |
| 11. Culture | 86 |
| 12. Antibiotic sensitivity | 25 |
| 13. Erythrocyte sedimentation rate | 258 |
| 14. Total count | 269 |
| 15. Differential count | 269 |
| 16. Prothrombin Time/Prothrombin Index | 12 |

Total 105432

(2) Department of Microbiology :

| | | | |
|------------------|------|----------------------|------|
| Clot culture | 1109 | Blood culture | 609 |
| Urine | 4261 | Sputum AFB | 1808 |
| Sputum Culture | 1394 | Pus & Aspiration | 1282 |
| C: S. F. | 1430 | Ascitic Fluid | 221 |
| Pleural Fluid | 236 | Pericardial Fluid | 28 |
| Peritoneal Fluid | 38 | Bronchial Aspiration | 88 |
| Liver Aspiration | 11 | Knee Aspiration | 3 |

SEROLOGY SECTION

| | | | |
|-------------------|------|-------------------|-----|
| Blood V. D. R. L. | 6883 | C.S.F. V.D.R.L. | 366 |
| Blood Widal | 1121 | Paul Bunnell Test | 19 |
| R. A. Test | 405 | A.S.O. Titre Test | 128 |
| Brucellosis | — | Formal Gel Test | 1 |

| | |
|-------|------|
| Total | 8923 |
|-------|------|

Food Handler's Scheme :

| | |
|-------------------|------|
| Blood V. D. R. L. | 1495 |
| Blood Widal. | 2115 |

| | |
|-------------|-------|
| Grand Total | 12533 |
|-------------|-------|

(3) Department of Pharmacology.

Investigations carried out in Radioisotope Unit from 1st January 1987 to 31st December 1987 :—

I. Scans :—

| | | | |
|--------------------------|-----|-----------------------|-----|
| Bone scan | 121 | Brain scan | 128 |
| Liver scan | 468 | Renal studies | 200 |
| Thyroid scan | 363 | Cardiac studies | 31 |
| Gastrointestinal studies | 5 | Parotid Gland studies | 4 |
| Scrotal studies | 15 | | |

II. Radio-immunoassays :**Assay of :**

| | | | |
|-------------------------------------|-----|-------------------------------|-----|
| Tri-Iodothyromine (T ³) | 870 | Thyroxine (T ⁴) | 870 |
| Thyrotropin (TSH) | 348 | Platelet Factor-4 | 85 |
| Immunoglobulin-E | 44 | Gonadotrophins & Testosterone | 45 |

(4) Blood Bank :

| | | | |
|---|------|-------------|------|
| 1. Blood Collection : Total — 7750 | | | |
| Vol. (Indoor, Outdoor) | 3832 | Replacement | 2266 |
| Bottles brought from other hospital | 1652 | | |

2. Blood Utilisation :

| | |
|---|------|
| Transfusions given to Nair Hospital patients. | 7473 |
| No. of blood bottles used for Nair Hospital patients. | 6595 |
| No. of blood bottles given to other hospitals. | 1355 |
| No. of blood bottles sent for plasma to Haffkine | 268 |
| No. of blood bottles discarded | 265 |

3. Blood components prepared :

| | | | |
|-------------------|------|--------------------------|-----|
| Packed cells. | 1186 | Saline washed pack cells | 5 |
| Pooled Plasma | 542 | Plateletes | 3 |
| Buffy Coat | 29 | Fresh Frozen Plasma | 706 |
| Cryoprecipitates. | 15 | Pheresis packs | 8 |

4. Pretransfusion tests done in door samples :

| | |
|-------------------------------------|------|
| Groping | 7750 |
| Antibody Screening Total No. tested | 7750 |
| Irregular antibodies detected | 18 |

| | | | |
|---------------------------------|---|-----------------|------|
| Hepatitis Screening | — | Total tested | 6261 |
| | — | HBS Ag positive | 6098 |
| | — | HBS Ag Negative | 163 |
| V.D.R.L. Screening | — | Total | 6098 |
| | — | Positive | 29 |
| | — | Negative | 6069 |
| Low titre screening done (Arch) | | | 900 |
| High titre found | | | Nil |

| | | |
|---|----------|-----------------------------|
| 5. Pretransfusion tests done in patients : | | 784 |
| Routine grouping. | | 1290 |
| Grouping with cross matching | | 4290 |
| Antibody detection | | 30 |
| Irregular antibodies detected | | 10808 |
| Compatibility tests done | | |
| 6. Hepatitis screening in patients : | | 21 |
| Undergoing cardiac surgery and multiple transfusion | | |
| HBS of tests referred from AKD & other patients : | | |
| | Positive | 21 |
| | Negative | 110 |
| 7. Antenatal Serology : | | |
| Grouping | 2837 | Antibody detection 32 |
| Cord blood grouping | 2669 | MTP Grouping 200 |
| 8. Miscellaneous Investigations : | | |
| Coomb's tests (Direct) | 133 | Indirect Coomb's tests 1265 |
| 9. Preparation of reagents : | | |
| Copper sulphate | 50 lts. | Papain Cystein 1750 m |
| Normal Saline | 150 lts. | |

5. Haematology Department.

| | | | |
|--|------|---|------|
| Complete Hemogram | 3840 | Haemogram | 3840 |
| R. B. C. | 3840 | Blood P. C. V. | 3840 |
| M. C. V. | 3840 | M. C. H. C. | 3840 |
| M. C. H. | 3840 | W. B. C. (Total) | 3840 |
| W. B. C. (Diff) | 3840 | Periparal Smear | 3840 |
| Blood reticulocytes | 3840 | Platelet count | 3840 |
| E. S. R. | 1292 | L. E. cell | 12 |
| Serum Iron | 643 | Total Iron Binding Capacity | 643 |
| Transferrin Saturation | 643 | Serum Ferritin | 500 |
| Serum Vit. B ¹² | — | Serum Folate. | — |
| Foetal Hemoglobin | 242 | Foetal Red Cell Staining | — |
| Fregility | 50 | Hb Electrophoresis | 484 |
| Cellgel on computerised | | | |
| Densitometer | 484 | Sickle Cell test | 484 |
| Immunoglobulin | 324 | Bleeding Time | 212 |
| Clotting Time. | 212 | Clot Retraction | 212 |
| Prothrombin Time | 212 | Deficiency of Factor | — |
| | | II, V, VII & X. | — |
| Prothrombin Consumption test | 212 | Thromboplastin Generation Test | 70 |
| Factor VIII Assay | 70 | Factor IX Assay | 70 |
| Thrombin Time | 212 | Euglobulin clot lysis time | — |
| Plasma Recalcification time | — | Partial Thromboplastin time Kaolin | 212 |
| Fibrinogen Degradation Product | 120 | Fibrin split product | — |
| Assay of Prothrombin | — | Assay of Factor V | — |
| Assay of Heparin in Plasma | — | Lysis of Fibrin Plates | — |
| Paracoagulation test, Ethanol | | Platelet Aggregation test on | |
| Gel Test. | — | Aggregometer | 96 |
| Platelet Factor/availability | 20 | Platelet factor IV | — |
| Gutathion (GSH) (Concentration & Stability Test) | 2 | Glucose-6 Phosphate Dehydrogenase by Decolourisation test | — |
| 6-Phosphogluconic | | Pyruvate Kinase Assay | — |
| Dehydrogenase assay | | | |
| Bone Marrow | 384 | Bone Marrow Iron staining | 384 |
| Paroxidase Staining | 100 | Pelgen Staining | 100 |
| Heins body test | — | Unstable Haemoglobin | 4 |
| Urine Urobiloingen | 20 | h.b Spectroscopy | 4 |
| Methalmoglobin Test | 10 | Sucrose Lysis | 24 |
| P. N. H. | 24 | Coomb's test | 36 |

6. Forensic Medicine Department

| | |
|---|------------|
| Investigations carried out in the year 1987 (January 1987 to December 1987) in department c | |
| Forensic Medicine. | |
| Total No. of Medico-legal autopsies | — 1895 |
| Post mortem blocks prepared and cut | — 1895 |
| Post mortem routine slides prepared | — 1895 |
| Record of the slides prepared :— | |
| Routine staining slides | — 1895 |
| M. L. Exam. (Clinical). | — 2 cases. |

APPENDIX No. : VII

List of Research Work

| Doctor | Subject |
|---|--|
| Dr. I. M. Mehta | DEPARTMENT OF ANATOMY S. M. A. complex covering parotid gland. Decending genicular artery flap. Circumflex scapular artery flap. Nerve supply to frontalis muscle regarding reconstruction L.P.S. Foetal lung Histology. |
| Dr. (Mrs.) V. Y. Khár | DEPARTMENT OF BIOCHEMISTRY. Research work in progress. Biochemical studies in Schizophrenia. Thyroid function tests and their relevance in thyroid diseases and disorders. |
| | DEPARTMENT OF DERMATOLOGY & VENEREOLOGY. Gonococcal cultures, Auxotyping & Antibiotic Sensitivity. Fungal Cultures. Alopecia Areatz — therapeutic study with DNCB. Cutaneous manifestations of D. H. Management of Acne with Diane. H. L. A. studies in Pemphigus Vulgaris. Cutaneous manifestations of S. L. E. |
| | ENDOCRINOLOGY DEPARTMENT. Karyotyping of Peripheral lymphocytes and chromosomal studies in genetic disorders. HLA — studies in insulin dependent Diabetics. C — peptide values in young diabetics. A study of complications (retinopathy and nephropathy, term diabetics). Skin Disorders in Diabetes Mellitus. 'F' values in diabetic neuropathy. An evaluation of stunted growth. Pituitary Tumors-clinical and hormonal study. Thyroid Antibodies in Thyroid Disorders. |
| Dr. (Mrs.) R. N. Merchant | DEPARTMENT OF OBST. & GYNAEC. Further experience with Quinocrine Hydrochlorid Pellets on Fallopian Tubes. A study of uterine metrology. |
| Dr. Daksha D. Pandit Mr. Jain Dr. Rekha Udani Dr. Nalini P. Pai Dr. R. Y. Aras Dr. N. P. Pai | PREVENTIVE & SOCIAL MEDICINE DEPARTMENT. Morbidity and Mortality Pattern in children An Epidemiological study of teenage pregnancy in lower socio economic group — Funded by Nair Golden Jubilee Research Foundation. Evaluation of Antenatal Care programme at Deonar Urban Health Centre. Fertility Patterns in Shivaji Nagar Community. |
| Dr. R. Y. Aras Dr. N. P. Pai Dr. R. Y. Aras Dr. N. P. Pai Dr. P. Subramanian Dr. N. P. Pai | Youth survey in community. |
| Dr. P. Subramanian | Assessment of teaching contents in regard to Woman's Health Problem. |
| Dr. Daksha D. Pandit Dr. N. P. Pai Dr. V. A. Naik | An Epidemiological study of Acute Respiratory infections in children. |
| | PHYSIOTHERAPY DEPARTMENT Late response studies in Juvenile diabetes. T. N. S. in healing of wounds. Ultrasonic in Keloids. E. M. G. studies in Radiculopathies to diagnose the level of lesions. |

| Doctor | Subject |
|---|--|
| Dr. (Smt.) V. G. Parulkar Dr. A. Malathi | DEPARTMENT OF PHYSIOLOGY. Guidance for following research work being carried out in the department. Effect of various physiological parameter on Reaction Time. Effect of Yoga on Reaction Time. Effect of smoking (acute & chronic) on Reaction Time. "Reaction Time studies in Schizophrenics" a collaborative study with the department of Psychiatry. Reaction time studies in diabetic smokers and diabetic non smokers. Study of hematological parameters in diabetic and non-diabetic smokers and non smokers. Reaction Time Study in hemiplegics. |
| Dr. A. E. Mody | GENERAL SURGERY DEPARTMENT : Truncal vagotomy with pyloric dilation in suitable cases of duodenal ulcer. An evaluation of scrotal approach for varicocele in oligospermia. Comparison of stricturoplasty with resection anastomosis in cases of tuberculous stricture of small intestine. Use of Zinacef as a new and more potent antibiotic for post operative surgical infection. |
| Dr. M. V. Pai | Vagotomy + Marginal Gastro-Jejunostomy as treatment of duodenal ulcer. Use of antibiotics in post operative management. Mair's hamioplasty — Method of choic for public hospitals. |
| Dr. (Mrs.) S. T. Chaudhry | UROLOGY DEPARTMENT Alfapsin in Urological patients — 60 cases study. Use of ditropan in Neurogenic bladder. |
| | HAEMATOLOGY DEPARTMENT Increase Iron absorption in New Iron preparation — A clinical Trial (Sidmak). Effect of Diazepam and Dipyridamole on platelet aggregation in patients with ischaemic heart disease. |

APPENDIX : VIII.

List of Publication and papers read :—

| Doctor | Subject | Particulars where published. |
|---|--|--|
| DEPARTMENT OF ANATOMY | | |
| Dr. M. B. Indurkar | Anatomy and function of the Trigonum vesicae. | Attended the Annual conference of Anatomical Society of India Raipur 1987. He acted as Chairman in the Scientific Session on 29-12-1987 'Reproductive Biology'. Elected as Executive Committee member ASI 1987. |
| Dr. I. M. Mehta | Arteria dorsalis pedis graft taken dorsally between tibia and fibula to cover ulcer in calcaneal region. | International Journal at Plastic Surgery. |
| DEPARTMENT OF ANAESTHESIA. | | |
| Dr. V. M. Divekar | Use of Sublingual Buprenorphine in post-operative pain. | Symposium on Norphine, Bombay, January 1987. Chairman symposium on Chronic pain, February 1987. |
| Dr. V. M. Divekar Dr. R. H. Padhye Dr. A. M. Pradhan Dr. V. M. Divekar | Buprenorphine in post-operative pain. | 7th Asian Australasian congress of Anaesthesiologists 1987, Singapore. |
| Dr. V. M. Divekar | Medical Aspects at Acute Care in India, 1987. | At the 4th Pacific Congress of Critical Care held in Bali, Indonesia. Chairman, I.O.L. Oration, Annual Conference of Indian Society of Anaesthetists 1987, December held at Calcutta. Moderator-Clinical forum of Thyroid 1987, December Calcutta, Annual Conference of Indian Society of Anaesthetists. |

| Doctor | Subject | Particular where published |
|---|--|---|
| Dr. V. H. Bhagatwala Dr. V. M. Divekar | Oxygen output of various ventilators and anaesthesia machines using Ohmeda, Oxygen Analyser. | Annual conference Indian Society of Anaesthetists, December 1987. |
| Dr. R. J. Samtani | Analgesia & Sedation in Paediatric dentistry. | 8th Annual Conference of the Indian Society of preventive held in January 1987 at Bombay. |
| Dr. V. M. Divekar Dr. I. P. Kavadia. | Regional Relaxant Test for Myasthenia Gravis. | 1987-Ind. Journal of Anaesthesia. |
| Dr. V. M. Divekar Dr. M. S. Gosavi | The Riken Gas Indicator — an evaluation | Ind. Journal of Anaesthesia — 1987, Vol. 35. |
| Dr. R. J. Samtani Dr. S. Sujan | Use of Nitrous oxide Oxygen Psychosedation and analgesis for Apprehensive children | The Indian Society of preventive and Paediatric dentistry Vol. 5 No. 1 March 1987. |
| Dr. V. M. Divekar | Carticaine a new local anaesthetic agent. | Ind. J. Anaesth. 35(4) 253. August 1987. |
| AUDIOLOGY & SPEECH THERAPY SCHOOL | | |
| Mrs. S. O. Kapur Miss M. B. Doshi | Specific speech & Language disorders in children | At the First International Symposium, at the University of Reading England, April 1987. |
| Ms. M. B. Doshi Dr. Vaidyanathan R. | Delayed Language Development — A study of cases with Delayed Motor milestone. | First International Symposium Specific Speech & Language Disorder in Children, April 1987 at University of Reading England. |
| Ms. M. B. Doshi Ms. Phalguni Shah Dr. Vaidyanathan R. Ms. M. B. Doshi. Mrs. S. O. Kapur | Simple suggestions — to stimulate your child's Speech & language Development. Article on Stammering. Infantile Autism — Case studies. | First International Symposium Specific Speech & Language Disorder in Children April 1987. Science Today Magazine of April 1987. First International Symposium Specific Speech & Language Disorder in Children April 1987. |
| | Patterns of Adjustment in Slutterers. | At the 'Seminar on Sluttering', June 1987. |
| DEPARTMENT OF CARDIOLOGY : | | |
| Dr. S. Sharma | Chapter Rheumatic Heart Disease. | The International Text Book of Cardiology. Pergamon Press, Editor Cheng O.T. U.S.A. (1986). |
| Dr. S. Sharma Dr. A. G. Desai Dr. S. S. Bhattacharya | Cross Sectional Echocardiographic recognition of sub-mitral left ventricular aneurysm. | International Journal of Cardiology, Vol. 14, PP 327-332 (1987). |
| Dr. S. Sharma | New Inotropic Drugs. | Drugs and therapeutics Vol. 1, PP 15-18 (1986). |
| | Unusual Electro-cardiographic findings in a case of Hypertrophic Cardiomyopathy. | Indian Heart Journal, Vol. 38; PP 230-232 (1986). |
| Dr. S. Sharma Dr. S. P. Baliga Dr. N. J. Pandey Dr. N. J. Pandey Dr. B. R. Kalke | Cross Sectional Echocardiography in Recognition of Left Ventricular Aneurysm following Closed Mitral Valvotomy. | Indian Heart Journal Vol. 38 : PP 192-194 (1986). |
| Dr. S. Sharma Dr. B. J. Pandey. | Profile of patient with Myocardial Infarction and Normal Coronary Arteries. | Indian Heart Journal Vol. 38 : PP 88-91, (1986). |
| Dr. S. Sharma | Electrocardiographic Diagnosis | Applied Medicine Vol. 12, PP 763(1986). |
| Dr. S. Sharma Dr. B. V. Pinto Dr. M. R. Mashru Dr. A. G. Desai Dr. S. Sharma Dr. S. Vaidya | Congenital Pulmonary Arteriovenous Fistula with Rheumatic Mitral Stenosis a Rare Association. Utility of Echocardiography in Diagnosis of Ventricular Septal rupture following Electrocardiographically Silent Myocardial Infarction. | Indian Heart Journal, Vol. 38, PP 473-475 (1987). Indian Heart Journal, Vol. 38 : PP 50-52 (1987). |

| Doctor | Subject | Particulars where published |
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| Dr. S. Sharma | Approach to Congenital Heart Disease. | Bombay Hospital Journal Vol. 29 : PP 19-22, (1987). |
| | International Cardiology : Growth of a New Speciality (Editorial). | The M. D. News Letter Vol. 2 : PP 2-4 (1987). |
| | Non Invasive Investigation of Coronary Heart Disease. | Bombay Hospital Journal Vol. 29 : PP 33-35 (1987). |
| Dr. S. Sharma | Ascending aorta aneurysm in isolated right aortic arch. | Clinical Cardiology Vol. 9, PP 581-582, (1986). |
| Dr. D. F. Daruwala | | |
| Dr. A. G. Desai | | |
| Dr. M. R. Mashru | | |
| Dr. R. C. Hansoti | | |
| E. N. T. DEPARTMENT : | | |
| Dr. A. G. Pusalkar | Our concept of Management of Cholesteatoma. | 6th Asia-Oceania Congress of Otorhinological Societies at New Delhi from November 9 to 13th, 1987. Co-Chairman of Scientific Session on 'Head & Neck Cancer' at above conference. |
| Dr. D. S. Grewal | Traumatic Perilymph fistula. | 6th Asia-Oceania Congress of Otorhinological Societies at New Delhi from November 9 to 13th, 1987. Co-Chairman of Scientific Session on 'Chronic Otitis Media' at above conference. |
| Dr. N. L. Hiranandani | Intrapetrous decompression of facial nerve. | 6th Asia-Oceania Congress of Otorhinological Societies at New Delhi from November 9 to 13th, 1987. Co-Chairman of Scientific Session on 'Sensorineural Deafness' at above conference. |
| Dr. D. S. Grewal | Adenomoid odontogenic tumors. | Published in J. L. O. |
| Dr. N. L. Hirnandani | Thyroid gland. | Published in Jaslok Hospital Journal. |
| Dr. Lalit Seth. | Sub mucous fibrosis of tongue. | Published in Journal of applied Medicine in October 1987. |
| Dr. A. G. Pusalkar | | Invited by the University of Tubingen, West Germany to participate in International Conference on 'Recent advances in Otolaryngology' held from 21st to 24th January 1987. |
| | Our concept of management of carcinoma of the alveolus. | International Conference on 'Recent advances in Otolaryngology' held from 21st to 24th January 1987. |
| Dr. A. G. Pusalkar | | Participated a Workshop on 'Special techniques in skull base & head & Neck Surgery' at University Tubingen, West Germany from 9th to 13th February 1987. |
| Dr. N. L. Hiranandani | | Visited Paris, France from 26th April to 16th May, 1987. |
| Dr. D. S. Grewal | | Got fellowship to attend 6th British Academic Conference Otorhinolaryngology held at Glasgow, U. K. in July, 1987. He also visited some E. N. T. centres in Europe & U.S.A. |
| GENERAL SURGERY DEPARTMENT : | | |
| Dr. D. R. Trivedi | Obstructive Jaundice. | Maharashtra chapter of A.I.S.C. 1988 Splenectomy in haematological disorders symposium on 'Spleen' in haematology conference 1988. |
| | H.B.O.T. in the management of claustrial infection. | Post graduate Journal of Medicine. |
| Dr. P. P. Shilotri | 2 rare cases of (1) Choledechoelonic fistula (2) Adenoacanthoma of transverse colon. | Reported in Indian Journal of Gastroenterology. |
| Dr. P. M. Javeri | | Attended International College of Surgeons' Conference in Calcutta in the month of October 1987. Dr. P. M. Javeri was a Chair person of the Conference. |
| Dr. A. B. Mathure | | |

| Doctor | Subject | Particulars where published |
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| Dr. P. M. Javeri | | Presided over conference of International college of Surgeons in Calcutta in month of October 1987. |
| Dr. A. B. Mathure Dr. (Mrs.) S. T. Chaudhry | Undescended Testis. T. B. Appendix with Perforation. Phaeochromocytoma in the organ of Zucker Kandl. Penile-ectopic testis. | Invited to give a lecture by C.M.E. Indian Journal Gastroenterology 1987 : 6 : 4 : 247. JAPV 1987 : 35 : 2 : 165. |
| Dr. Punjani | Endoscopic injection Teflon for VU Reflex. MAGPI repair for coronal hypospadias. Urosurgery in High Risk Patients. Hematurja & Pymia. | Indian Journal Urology 1987 : 3 : 2 : 85. Conducted a symposium on undescended testes in conference in Surgery in Tropics in February 1987, Bombay Hospital. At Annual Conference U.S.I. Jodhapur, October 1987. Annual Conference U.S.I. September 1987, Jodhapur. Chairman Session XI—Annual Conference USI Jodhapur, September 1987. At Gujarat Chapter ASF - Ahmedabad August 1987. Guest lecture at Sanzgiri foundation Margo, Goa — September 1987. |

GASTROENTEROLOGY DEPARTMENT :

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| Hepatic transplantation : Medical Aspects. | Review Article. |
| HLA-B27 Positive spondylorathitis in a case of tuberculous rectal stricture. | Case report. |
| Rectal Varices. | Case Report. |
| W.H.O. recommendation of Hepatitis B Immunization. | Indian Journal of Gastroenterology, 5, 291, October 1987. |
| Hepatic complication of Bone Narrow transplant. | Indian Journal of Gastroenterology, 6, 107-108, 87. |
| Pathophysiology of peptic ulcer. | Tropical Gastroenterology 8, 86-90, 1987. |
| Rapid clearance of HBs Ag following posttransfusion Acute hepatitis. | Bulletin of the Jaslok Hospital (April 1987), 11, 12-14, 87. |
| Obstructive Jaundice. | Bombay Hospital Journal, 1987, 29; 39-45. |
| The risk of spontaneous Bacterial Peritonitis. | Selected summaries. |
| Hepatorenal syndrome A new therapeutic approach. | Selected summaries. |

DEPARTMENT OF HAEMATOLOGY :

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| Dr. A. J. Desai | | Chaired the symposium on Myelodysplastic syndrome. |
| Dr. S. K. Bichile | Nomenclature and clinical fetures of Myelodysplastic syndrome. | Symposium on Myelodysplastic syndrome. |
| Dr. N. B. Mehta Dr. A. J. Desai Dr. S. K. Bichile Dr. M. M. Desai Dr. M. M. Desai Dr. A. J. Desai Dr. S. K. Bichile Dr. N. B. Mehta | Profile of 141 cases of Haemophilia A & B. Thalassaemia programme. | T.N.M.C. & B.Y.L. Nair Ch. Hospital. |

| Doctor | Subject | Particulars where published |
|---|---|---|
| OPHTHALMOLOGY DEPARTMENT : | | |
| Dr. (Mrs.) Gyanam G. Murthy | Vision through Eye Donation. | <p>Attended and participated in the First congress of Indo-Japanese Ophthalmological Foundation from 3rd to 5th January 1987 at New Delhi.</p> <p>Attended and participated in U. S. co-ordinated programme at Arvind Eye Hospital Madurai on 12th and 13th January 1987.</p> <p>Honoured to deliver the 'Late Smt. Indirabai Khare Oration on Eye' under the auspices of I.M.A. Nagpur on 12th April 1987. Delivered the oration on 'Red eye.</p> <p>Delivered a public lecture on 12th April 1987 at Nagpur.</p> |
| | Glaucoma-a lurking thief. | <p>Conducted a refresher course for IMA members on 'Prevention of Blindness through Eye Health care programme' on 12th April 1987.</p> <p>Delivered a talk on the theme to the target audience on 7-10-1987 under the observance of Prevention of Blindness week at T.N.M.C. Bombay.</p> |
| | Introduction including Genetic and Etio-pathogenesis of Myopia. | <p>participated in the symposium and panel Discussion 'Myopia' on the occasion of the VIIth Maharashtra Ophthalmological Society Conference at Miraj on 11th October 1987.</p> |
| | Intralesional Medrysone 1% in-Inflammatious — A prospective study of 72 cases. | <p>Afro-Asian Journal of Ophthalmology Vol. V. No. 4, March 1987, Page 197-199.</p> |
| DEPARTMENT OF GYNAEC & OBST. | | |
| Dr. M. Y. Raval | <p>Biological effects of Ultrasonography on growing foetus and Roll of Ultrasonography in congenital malformation of foetus.</p> <p>Double blind comparison of efficacy and safety of nephroxen and placibo in the treatment of Dysmenorrhoe.</p> <p>Ultrasonography in 1st Trimester of pregnancy.</p> | <p>Attended 15th Bombay Obstetrics and Gynaecological Society and acted as a organising secretary of a conference. Participated also in the pannel discussion. Attended 31st India Obsterics and Gynaecological Conference held at Jaipur from 20th to 30th of December 1987 and acted as a Chairman of scientific session of Ultrasonography in Obstetrics.</p> <p>Current therapeutic research, Volume 42, No. 6, December 1987, an International Journal.</p> <p>Indian journal of Obst. & Gyn. Oct. 1987.</p> |
| Dr. (Mrs.) R. N. Merchant | Endoscopy in diagnosis of Genital Tuberculosis. | <p>Special invitee at Beth Israel Hospital, Boston to participate in deliberations at Workshop on In-Vitro-Fertilisation, September 1987.</p> <p>Visiting fellow at Thomas Jefferson Hospital, Department of Ultrasound, Philadelphia, September 1987.</p> <p>The World Congress of Gynaecological Endoscopy, San Francisco, November 1987.</p> <p>Invited Panel Member, ISMU, Advanced Training Course in Obstetrics/Gynæcology Ultrasound April 1987.</p> <p>World Congress of Gynaecologic Endoscopy San Francisco, November 1987.</p> |
| Dr. (Mrs.) R. N. Merchant | | |

| Doctor | Subject | Particulars where published |
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| DEPARTMENT OF PLASTIC SURGERY : | | |
| Dr. S. M. Mahaluxmivala | | <p>Attended the IX the International Conference of Plastic Surgery held in May 1987 in New Delhi.</p> <p>The 2nd International Conference of Surgery in the Tropics in February 1987 at Bombay Hospital.</p> <p>Attended the 22nd National Conference of Plastic Surgery at Mount Abu in September 1987.</p> <p>Invited delegate at World Asia Oceana Conference of Otorhinolaryngology Conference at New Delhi in November 1987.</p> <p>Chaired several scientific sessions at above conference.</p> |
| Dr. Narendra Pandya | | <p>Attended the IXth International Conference of Plastic Surgery at New Delhi in May 1987.</p> <p>Attended the Surgery in Tropics of Bombay Hospital in February 1987.</p> <p>Attended the 22nd National Conference of Plastic Surgery at Mount Abu in September 1987.</p> |
| Dr. S. M. Mahaluxmivala. | <p>Use of implants — orbital fractures Limited Cosmetic Bhinoplasty. Use of implants in Recontouring the face.</p> | <p>At 2nd Surgery in Tropics Conference.</p> |
| Dr. Narendra Pandya | Hair transplant. | <p>Invited to participate in panel discussion of Pharyngeoesophageal reconstruction, and also invited to give a special guest lecture, at World Asia Oceane Conference.</p> <p>At IXth International Conference of Plastic Surgery.</p> |
| | Face lift in India. | At IXth International Conference of Plastic Surgery. |
| | Burns at I.C.S. Conference at Thailand. | At IXth International Conference of Plastic Surgery. |
| Dr. Kalpeśh Gajiwala | Dorsalis pedis artery flap — a new approach to treatment of heal ulcer — transosseous approach. | At IXth International Conference of Plastic Surgery. |
| Dr. Nimmi Lalwani. | Chromoblastomycosis. | At 22nd National Conference. |
| Dr. Kalpesh Gajiwala | Dorsalis pedis artery flap — a new approach to treatment of heel ulcers — transosesous approach. | Transaction of IXth International Conference of Plastic Surgery, March 1987 and B. J. P. S. May 1987. |
| DEPARTMENT OF PAEDIATRICS : | | |
| Dr. (Mrs.) P. M. Pai | | <p>Delivered lecture at Paediatric Dental Conference in January 1987.</p> <p>Lecture-Role of teaching institution & current approach to T. B. Problem.</p> <p>Lecture in Workshop on Clinical Pharmacology under the Auspices of National Academy of Medical Sciences in November 1987 at Bombay.</p> <p>Lecture at International Cardiac Conference held in Bombay in December 1987.</p> <p>A case report on Congenital Nephrotic Syndrome — Indian Paediatrics, December 1987.</p> <p>Study of Psycho-social impact on the facilies impact on the facilies of Thalassaemic children — XXIV — JAP conference at Madras.</p> |

| Doctor | Subject | Particulars where published |
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| Dr. (Mrs.) P. M. Pai | | <p>A Study of Childhood Hemiplegia — at 24th National Conference of IAP at Madras.</p> <p>Lecture on Liberalisation Policies at BMA in February 1987.</p> <p>Lecture on How to overcome overcrowding in public hospitals at BMA in December 1987.</p> <p>Participated in WHO sponsored workshop at Pondicherry in February 1987.</p> |
| Dr. R. K. Anand | | <p>Participated in WHO sponsored workshop at PGI, Chandigarh in November 1987.</p> <p>Participated in Workshop on Evaluation in Medical Subjects in December 1987 at Bombay.</p> <p>Lecture at National Conference of Indian Society of Health Administrators 1987.</p> <p>Attended I. M. A. conference at Miraj.</p> <p>Attended I.M.A. conference at Bombay.</p> <p>Attended IBFAN Workshop on the code of Marketing of Breast milk substitutes, Port Louis, Mauriterius, Indian Representative.</p> <p>Attended I.A.P. National Paediatric Conference, Madras.</p> <p>Attended Maharashtra Regional Paediatric Conference (IAP), Bombay.</p> |
| Dr. R. D. Potdar | | <p>Attended National Workshop on Recent Advances in Neonatology in L.T.M.G. Hospital & L.T.M. College, Bombay.</p> <p>Activity Manager of WHO/GOI/IAP project of 'Reinforcement of UIP Programme through Re-education of Paediatrics' organised 1 core curriculum workshop and 50 district 20 divisional workshops between June 1987 to December 1987 all over India.</p> |
| Dr. R. D. Potdar | | <p>Chief Organizer of 'Preconference Symposium on perinatal Care' held in Madras.</p> |
| Dr. Alka Shah | | <p>Invited Chairman of Session in Maharashtra Regional Paediatric Conference at Bombay.</p> |
| Dr. R. K. Anand | Metachromatic Leucodystrophy | <p>Attended 24th National conference of IAP at Madras.</p> |
| Dr. G. K. Nigam | Infant feeding — | <p>Indian Paediatrics, 1987, 24 : 518-519.</p> |
| Dr. R. K. Anand | Contemporary issues (Editorial). | <p>Indian Paediatrics 1987, 24 : 833-835.</p> |
| Dr. P. R. Surekha | Bowel Pattern and weight gain in breastfeed infants. | <p>Indian Paediatrics 1987, 24 : 859-864.</p> |
| Dr. C. V. Hegde | Effect of perinatal motivation on breast feeding in educated mothers. | <p>1987, 24 : 933-937.</p> |
| Dr. R. K. Anand | Additional resource material on infant feeding. | <p>1987, 957-960.</p> |
| Dr. G. K. Nigam | Manual of Immunization for Paediatrician. | <p>Edited & published report of Perinatal Care Symposium, 1987.</p> |
| Dr. R. K. Anand | Psychosocial impact of Thalassaemia on children. | <p>A publication for WHO/GOI.</p> |
| Dr. R. D. Potdar | Study of Psychosocial impact on the families of Thalassaemic children. | <p>At 24th National Conference of IAP, Madras.</p> |
| Dr. (Mrs.) S. M. Joshi | | |

| Doctor | Subject | Particulars where published |
|---------------------------------|---|--|
| Dr. R. K. Anand | Medical Profession Patients & Industry. Common Paediatric Problems. Immunization — Even children has a chance. Drug Monitoring. | Meeting Health Needs of Individuals & Nations, Panchagani. IMA Conference at Miraj. IMA Conference, Bombay. FIAMC Bio-Medical Ethics Centre Workshop. |
| | Modern concepts in breast feeding. What is new in infant feeding. Infant feeding — Recent Developments. | IAP, Bombay. CME, IAP National Conference at Madras. S. N. Bhansali Award Lectureship. |
| Dr. (Mrs.) Nalini P. Pai. | PREVENTIVE & SOCIAL MEDICINE DEPARTMENT : Study of Problems of Child Labour in Shivaji Nagar Slum Deonar, Bombay. | Indian Journal of occupational health Vol. 30 No. 2, April 1987 to June 1987. |
| Co-Author | Termination of Pregnancy in Adolescents. Role of Supplementary Nutrition in Primary Health Care Programmes for School Children. | Journal of Post Graduate Medicine (1987) 33 (3) 120-124. At XVII Annual Conference of the Indian Association of Preventive and Social Medicine, SCB Medical College, College, Cuttak, Orissa 1987. |
| Dr. (Mrs.) Nalini P. Pai. | | Attended Workshop on Planning & Management of Expanded Programme of Immunization at Delhi during 9th to 13th September 1987. |
| Dr. (Mrs.) Parimala Subramanian | Factor X Spiritual Dimension in Health. Factor X Spiritual Dimension in Health. Positive Approaches towards Health. Medical Education for Holistic Health Care. Wholeness of Health and Role of Yoga. Holistic Health Care — concepts and Need in Medical education. | Proceedings of the seminar on Meeting Health Needs of Individuals & Nations and also in News Bulletin of MRA. At the International Seminar on Meeting Health Needs of Individuals and Nations 3-6th January 1987. At the Junior Red Cross Counsellors Training Course organised by Indian Red Cross on 8th September 1987. At the XVII Annual Conference of Indian Association of Preventive & Social Medicine at SCB Medical College Cuttak 26-28th November 1987. At Yoga Institute Santacruz on 13th December 1987. At the scientific session of the Silver Jubilee Celebrations of Nairite batch 1962 — at Topiwala National Medical College Auditorium — 21st December 1987. |
| Dr. (Mrs.) Vijaya A. Naik | | Participated in the workshop on Planning & Management of EPI from 9th to 19th March 1987, at National Institute of Communicable Diseases. |
| Dr. (Mrs.) Vijaya A. Naik | | Participated in the workshop on Evaluation in Medical subjects from 1st to 4th December 1987. |
| Dr. (Mrs.) Daksha D. Pandit. | Mortality and Morbidity pattern In Youth. Health Youth our Best Source. Diarrhoea Game. | Indian Journal of Community Medicine Vol. XI No. 4 p 275-282 (1986). Maharashtra Medical Journal Vol. XXXIV No. 5 P 113 — 115 (1987). Dialogue on Diarrhoea International news letter on the control of diarrhoeal diseases issue No. 29 p — 7 (1987). |
| | Cost assessment of an Urban Health Centre. | At XVII Annual Conference of Indian Association of Preventive & Social Medicine at Cuttak |

| Doctor | Subject | Particulars where published |
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| Dr. (Mrs.) Radha Y. Aras | Impact of Oral Rehydration Therapy and feeding advice in children with diarrhoea. Termination of pregnancy in Adolescents. | Journal of the Indian Medical Association Vo. 85, No. 7, July 1987 pp 202 — 204. Journal of post graduate medicine (1987) 33(3) 120-124. Participated in Workshop on 'Students Evaluation in Medical Subjects, organised by NITC, PGI of Medical Education and Research Chandigarh; December 1 — 4th 1987 and worked as a Reporter on 3rd December 1987. At XVII Annual Conference of Indian Association of Preventive & Social Medicine in Cuttack. |
| Dr. (Mrs.) Mansi Chavan | Role of supplementary Nutrition in Primary Health Care Programmes for School Children. | |
| Dr. G. D. Velhal Dr. S. K. Bichile Dr. S. G. Jain Co-author | Epidemiology of Hypertension Mortality and Morbidity Pattern in Youth. Termination of pregnancy in Adolescents. Cost Assessment of Urban Health Centre. | Hypertension India, Vol. 1 No. 1, January 1987, 11 — 17. Indian Journal of Community Medicine Vol. XI No. 4 (October — December 1986), pg. 275 — 282. Journal of post graduate medicine of Seth G. S. Medical College, pg. 120-124 (1987). At Annual IAPSM Conference at Cuttack. |

PHYSIOLOGY DEPARTMENT :

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| Dr. (Smt.) A. Malathi Dr. (Smt.) V. G. Parulkar Dr. (Smt.) R. B. Ichaporla Dr. (Smt.) V. G. Parulkar | Appratus for the measurement of Reaction Time. Some observations on Fibrinolytic activity in males and females. | Ind. J. of Phy. & Pharm. Vol. 31, No. 2, April June 1987, 104-106. Indian Journal of Medical Sciences Vol. 41, No. 9, September 1987, Page No. 191-193. |
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DEPARTMENT OF PHARMACOLOGY :

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| Dr. S. R. Amadi | | Speaker at the symposium on 'Cephalosporins' organised by the Central Railway's Medical Division & the at the conference hall in V. T. Attended the XIII Annual Conference of the Pharmacologists of Maharashtra held the in the B. J. Medical College in Pune. Chairman of free papers session at the Indian Society for Clinical Pharmacology and therapeutics conference in January 1987 at Madurai. Attended and participated in the International Symposium on Drug Delivery Systems in January 1987 at Bombay. Gave Guest lecture at the workshop conducted by Indian Society for Pain in February 1987. Chairman of free papers session at Gujarat State branch of Indian Pharmacological Society at Baroda in February 1987. Judge at the Best paper prize competition at Gujrat State Branch of I. P. S. at Baroda. Delivered a guest lecture at Kerala Chapter of Association of Physicinas of India in July 1987 at Kottayam. Judge at the Best paper competition at Kerala Chapter of API. Organised a two day conference on 'Advances in the treatment of Infections' at Bombay in April 1987 with the active participation of Indian Council for Medical Research. |
| Dr. D. A. Joseph | Mechanisms of Analgesia-recent Advances. Blactamase Inibitors. | |

| Doctor | Subject | Particulars where published |
|---------------------------------|---|---|
| Dr. D. A. Joseph | | Convenor of adverse Reactions Symposium arranged at the International Conference of Clinical Pharmacology in November 1987, at Bombay. Co-Chairman of Paediatric Pharmacology session at International conference of clinical Pharmacology in November 1987, at Bombay. Organiser of workshop on Clinical Pharmacology under the Auspices of National Academy of Medical Sciences in November 1987 at Bombay. |
| Dr. (Mrs.) S. A. Desai | Immunoglobulin-E in Pathophysiology of Bronchial Asthma. | At the Annual Conference of the Society of Nuclear medicine of India, at Hyderabad from 21st to 24th December 1987. |
| Dr. S. R. Amladi (& co-authors) | Intergration of Ayurvedic & Homoeopathic systems into Modern Medicine : A Multi-disciplinary Perspective. | Therapeutics and Drugs : April — June 1987, Vol: II, Page — 5. |

DEPARTMENT OF PATHOLOGY :

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|---|---|---|
| Dr. A. M. Phatak Dr. J. C. Parekh | Clinicopathological study of Tumors of the nose, paranasal sinuses and Nasopharynx. | At the 36th Annual Conference of IAPM Hyderabad, December 1987. |
| Dr. A. M. Phatak Dr. Chainani G. N. Dr. Y. S. Iyer Dr. Bhatia | Immunoproliferative small intestinal diseases (Alpha heavy chain diseases). | At the 36th Annual Conference of IAPM Hyderabad, December 1987. |
| Dr. A. M. Phatak Dr. B. M. Kandalkar. Dr. S. M. Multani. Dr. U. S. Vengasrkar. Dr. P. M. Pai. | Statistical survey of CNS tumores in childhood — A 20 A 20 years study. | At 9th Regional Conference at K. E. M. Hospital and 36th Hyderabad Annual Conference of I. A. P. M. |
| Dr. S. Pagnathan. Dr. J. V. Mandke. Dr. A. Venkat. | Congenital Bicuspid Aortic Valve — a Neuroscopy study. | 36th Annual Conference of I. A. P. M., Hyderabad, December 1987. |
| Dr. A. M. Phatak. Dr. J. D. Rege. Dr. D. S. Grewal. | Adenomatoid Odontogenic tumore a case report with review of literature. | Indian Jr. Of Otolaryngology, Volume 38, No. 4, Dec. 1987. |
| Dr. A. M. Virkud. Dr. A. M. Phatak. Dr. M. B. Pandya. | Pheochromocytoma in the organ of Zuckerkandal. Board ligement Angiolipoma — a case report. | JAPI/1987, Vol. 35, No. 2. Jr. of Obstetrics & Gynagecology of India, Vol. XXXVII No. 6, Pg. 876, December 1987. |

DEPARTMENT OF PSYCHIATRY :

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| G. N. Kamble. P. A. Bhide. Dr. H. S. Dhavale. Dr. A. P. Patkar. | A comparative study on 'G' factor between the Municipal and private school going children. | I.,P. S. Conference, In Jan. 1987. |
| Smt. Urmila Sawant. Dr. H. S. Dhavale. Dr. A. P. Patkar. | Comparative study of school adjustment of students from vernacular and English medium. | In West Zone (I. P. S.) Conference in Sept. 1987. This paper won the 2nd prize in annual conference. |
| Dr. A. P. Popali. Dr. H. S. Dhavale. | The migrinous personality — a study of 25 cases. | Govt. 1987, Bombay Hospital Journal. |
| | Clinical Evaluation of a New Antidepressant — Othiepin (Prothiaden) : Comparative Study with Nitrazepin. | Publication In Press. |
| | Psychiatric morbidity in Insulin Dependent diabetics. | Publication In press. |

| Doctor | Subject | Particulars where published |
|--------|---------|-----------------------------|
|--------|---------|-----------------------------|

DEPARTMENT OF RESPIRATORY DISEASES :

| | | |
|--------------------|---|---|
| Dr. A. A. Mahashur | Sequential Respiratory changes due to the isocinide gas leak at Bhopal. | IJMR in December. 1987. |
| | Comparative study of respiratory changes in Nitric Acid Plant. | Article in JAPI 1987, Vol. 35. |
| | New antibiotic Aztreman in Respiratory infection participated in a symposium on immunologic lung diseases. | National Conference held by Indian Chest Society in Dec. 17th to 20th At Calcutta. |
| Dr. S. P. Shah | Allergic bronchopulmonary aspergillosis and moderator for symposium on pleural effusion and Management of pleural effusion. | Spoke in National Conference held by Indian Chest Society in December 17th to 20th at Calcutta. |
| | Comperative Diagnostic Value of Punch and Brush biopsy obtained through Flexible Fiberoptic Bronchoscopy. | IMA conference Western Suburban Branch in September 1987. |
| Dr. D. N. Koyande | Diagnostic Efficacy of bronchial aspirational culture and bronchial biopsy in Flexible Fiberoptic bronchoscopy. | API conference held at Poona. |
| | A unique indication for doing tracheostomy. | Article in JAPI 1987, Vol. 35. |
| | Acute renal artery occlusion. | JAPI Vo. 35. |

UROLOGY DEPARTMENT :

| | | |
|----------------------------|--|---|
| Dr. (Mrs.) S.T. X Chaudhry | | Attended Annual Conference Urology Society of India October 1987 in Jodhpur and chaired session. Visited Urology Department of Inst. Urology London, U. K. and Mass General Hospital Boston U.S.A. for Laser in Urology. |
|----------------------------|--|---|

APPENDIX NO. : IX

| Sr. No. | Description of the activity. | Actuals. | Budget Estimates. | Revised Budget Estimates. | Budget Estimates. |
|---------|--|--------------------------------------|-------------------|---------------------------|-------------------|
| | | 1986-87. Rs. | 1987-88 Rs. | 1987-88 Rs. | 1988-89 Rs. |
| 1. | General Administration and Supervision. | 1,39,05,113 | 1,39,07,810 | 1,39,07,810 | 1,95,99,180 |
| 2. | Medicine Department. | 1,03,18,240 | 1,09,50,260 | 1,09,50,260 | 1,35,60,270 |
| 3. | Surgery Department. | 93,90,130 | 1,05,00,000 | 1,05,00,000 | 1,32,10,120 |
| 4. | Obst. & Gyn. Department. | 35,57,120 | 35,30,250 | 35,30,250 | 45,30,250 |
| 5. | Paediatric Department. | 27,70,760 | 28,00,890 | 28,00,890 | 35,10,250 |
| 6. | Premature Baby Ward. | Reflected in Gynaecology Department. | | | |
| 7. | Radiology Department. | 28,04,040 | 29,15,050 | 29,15,050 | 40,55,160 |
| 8. | Pathology and Bacteriology Department. | 16,80,225 | 16,52,230 | 16,52,230 | 21,18,130 |
| 9. | Casualty. | Shown under Medicine Department. | | | |
| 10. | Orthopaedic Department. | 28,04,165 | 28,47,260 | 28,47,260 | 35,47,260 |
| 11. | Aural (E. N. T.) Department. | 20,08,640 | 20,20,750 | 20,20,750 | 25,20,750 |
| 12. | Ophthalmology Department. | 15,89,150 | 16,65,350 | 16,65,350 | 21,85,360 |
| 13. | Skin & V. D. Department. | 17,15,360 | 18,05,470 | 18,05,470 | 23,55,270 |
| 14. | Blood Bank. | 7,88,140 | 8,55,150 | 8,55,150 | 10,55,160 |
| 15. | Neurology Department. | 32,51,204 | 31,89,700 | 31,89,700 | 32,75,350 |
| 16. | Urology Department. | — | — | — | — |
| 17. | Pharmacy Department. | 22,23,765 | 23,70,850 | 23,70,850 | 31,70,850 |
| 18. | Audiology and Speech Therapy Department. | 1,05,332 | 3,31,330 | 3,31,330 | 2,39,860 |
| 19. | Psychiatry Department. | 14,00,274 | 15,05,860 | 15,05,860 | 19,55,750 |
| 20. | Biochemistry Department. | — | — | — | — |
| 21. | Physiotherapy Department. | 4,90,770 | 5,05,300 | 5,05,300 | 6,40,400 |
| 22. | Occupational Therapy Department. | 4,27,860 | 4,25,400 | 4,25,400 | 5,52,500 |
| 23. | Immunization Centre. | — | — | — | — |
| 24. | Gastroenterology Department. | 3,91,707 | 4,05,230 | 4,05,230 | 5,15,130 |
| 25. | Mobile Health Unit. | — | — | — | — |
| 26. | Dental Clinic. | — | — | — | — |
| 27. | T. B. Observation. | 9,50,245 | 10,00,260 | 10,00,260 | 13,50,240 |
| 28. | Neuro-Surgery Department. | 5,41,170 | 5,50,260 | 5,50,260 | 7,00,250 |
| 29. | Plastic Surgery Department. | 3,11,110 | 3,05,020 | 3,05,020 | 3,80,130 |
| 30. | Cardiac Medicine Department. | 9,01,130 | 9,50,320 | 9,50,320 | 12,00,110 |
| 31. | Thoracic Surgery Department. | — | — | — | — |
| 32. | Paediatric Surgery Department. | 2,51,870 | 2,40,920 | 2,40,920 | 3,00,820 |
| 33. | Artificial Kidney Department. | 2,22,400 | 2,10,500 | 2,10,500 | 2,65,400 |
| 34. | Diabetic Clinic. | 1,70,140 | 1,70,000 | 1,70,000 | 2,35,200 |
| 35. | Genito Urinary Department. | 1,89,450 | 1,90,000 | 1,90,000 | 2,45,000 |
| 36. | Nursing School. | 1,97,225 | 1,95,000 | 1,95,000 | 2,44,000 |
| 37. | Anaesthesiology Department. | 12,09,140 | 12,88,150 | 12,88,150 | 16,30,160 |
| 38. | Intensive Care Unit. | 5,81,600 | 6,02,700 | 6,02,700 | 8,22,600 |
| 39. | Paediatric Centre at Reay Road. | — | — | — | — |
| 40. | Kamathipura Teaching Centre. | 3,31,436 | 13,38,400 | 13,38,400 | 18,58,470 |
| 41. | Centre for Drug Addicated patients at devj Ahilyabai Helkar Mun. Maternity Home. | — | — | — | 11,60,000 |
| Total : | | 6,74,73,911 | 7,12,25,670 | 7,12,25,670 | 9,29,89,300 |

**LOKMANYA TILAK MUNICIPAL GENERAL HOSPITAL
AND
ANNAPURNABAI DESHMUKH HOSPITAL FOR WOMEN
AND
LOKMANYA TILAK MUNICIPAL MEDICAL COLLEGE**

L. T. M. G. HOSPITAL
HIGH LIGHTS
HOSPITAL :—

I — EXPENDITURE :

| | |
|---|----------------|
| (A) 1. On In-Patients. | 6,77,67,714.00 |
| 2. On Out-Patients. | 1,35,53,542.00 |
| 3. Total Expenditure (Excluding New Work). | 8,13,21,256.00 |
| 4. On New Works. | / |
| (B) 1. Average cost per In-Patient per day. | 174.22 |
| 2. Average cost per Out-Patient per day. | 30.71 |

II — RESULTS :**(A) IN PATIENTS :—**

| | |
|--|----------|
| 1. Schedule bed strength. | 1,048 |
| 2. Admission including those brought over from previous year and U. H. C. Paediatric Ward. | 50,290 |
| 3. Daily average Number of admissions | 135 |
| 4. Highest admission on a single day | 215 |
| 5. Total number of In-Patients days | 3,88,968 |
| 6. Average stay of In-patient in days | 7.7 |
| 7. Daily average In-patients in Wards (including Sarvodaya & U. H. C. Paed. Wards) | 1,066 |
| 8. Remained in the Hospital on the last day of the year. | 1,013 |
| 9. Number of patients discharged as— | |
| i) Relieved. | 23,779 |
| ii) As Cured. | 8,638 |
| iii) Otherwise. | 13,076 |
| iv) Expired. | 3,784 |

(B) OUT—PATIENTS

| | |
|---|----------|
| 1. New Out-patients attendance including Urban Health Centre. | 2,37,995 |
| 2. Repeat Out-patients attendance | 2,03,229 |
| 3. Daily average number of New and repeat patients | 1,456 |
| 4. Highest New O.P. D. attendance on a single day | 994 |
| 5. Number of Casualty Attendance (Medico-Legal). | 22,553 |

| | |
|-----------------------------------|--------|
| (C) 1. Operations on In-Patients. | 24,961 |
| 2. Operations on Out-Patients. | 33,587 |

(D) 1. CONFINEMENTS :

| | |
|---------------------------------|-------|
| 1. Booked Cases. | 6,251 |
| 2. Emergency Cases. | 1,047 |
| 3. Total Number of delivery | 6,186 |
| a) Normal. | 5,249 |
| b) Abnormal. | 937 |
| 4. Neonatal and Maternal Deaths | |
| i) Maternal Deaths. | 24 |
| ii) Still Births. | 275 |
| iii) Premature Deaths. | 298 |
| iv) Neonatal Deaths. | 187 |

III — SPECIALISED TREATMENT

| | |
|---------------------------------------|-------|
| 1. Admissions in Resuscitation Wards. | 1,995 |
| 2. Sterilization. | |
| i) Male. | 299 |
| ii) Female. | 828 |
| iii) I. U. C. D. inserted. | 234 |

IV — RADIOLOGY

| | |
|-----------------------------|----------|
| 1. X-Rays taken | 1,35,760 |
| 2. No. of Patients X-Rayed. | 80,553 |

| | | |
|---|-----|----------------|
| V — BLOOD BANK : | | |
| 1. Blood samples collected from : | | |
| i) Voluntary Donors. | | 2,919 |
| ii) Relative Donors. | | 3,607 |
| iii) Other Hospitals. | | 954 |
| 2. Bottles supplied. | | 7,171 |
| VI — SCHOOL CLINIC : | | |
| (A) Number of School Children treated | | |
| 1. New Cases. | | 2,196 |
| 2. Repeat Cases. | | 12,218 |
| 3. Referred Cases. | | 287 |
| (B) EXPENDITURE ON CLINIC | | 2,63,913 |
| VII — PHYSIO—THERAPY : | | |
| 1. Out-Patients treated. | | 11,099 |
| 2. Number of treatments given. | | 87,558 |
| 3. In-Patients treated. | | 8,725 |
| 4. Number of treatments given. | | 2,52,986 |
| VIII — OCCUPATIONAL THERAPY : | | |
| 1. Out-patients treated. | | 8,315 |
| 2. Number of treatments given. | | 20,022 |
| 3. In-Patients treated. | | 10,638 |
| 4. Number of treatments given. | | 1,34,819 |
| IX — MEDICO SOCIAL SERVICE DEPARTMENT : | | |
| (A) Direct Service : | | |
| Number of cases handled on case work level & other long term & short term | | 5,605 |
| (B) Medical Aid : | | |
| Number of patients given medicines. | | 27,683 |
| I — COLLEGE : | | |
| ANNUAL EXPENDITURE AND REVENUE | | |
| (A) 1. Expenditure including expenditure on Hospital. | Rs. | 1,43,44,809.00 |
| 2. Revenue from tuition fees, Hostel Rent & Miscellaneous Receipts. | Rs. | 4,84,381.00 |
| 3. Revenue from Post-Graduate fees. | Rs. | 1,36,625.00 |
| (B) INCOME FROM HOSTEL. | | |
| (C) 1. Gross Cost per student. | Rs. | 27,853.00 |
| 2. Net cost per student. | Rs. | 27,178.00 |
| 2 — STUDENTS | | |
| 1. On roll as on 31st December 1988. | | 515 |

2. NUMBER OF STUDENTS CLASSWISE

| | Male | Female | Total |
|--------------------------------|------------|------------|------------|
| Ist M. B. B. S. | 49 | 72 | 121 |
| IInd M. B. B. S. | 74 | 114 | 188 |
| IIIRD M. B. B. S. | 44 | 72 | 116 |
| Post-Graduates on roll as on : | 174 | 129 | 303 |
| Total No. of interns as on : | 56 | 34 | 90 |
| TOTAL : | 397 | 421 | 818 |

APPENDIX —

The Lokmanya Tilak Municipal Medical College, Sion, has completed 23 years of imparting Medical Education to the Students for undergraduates studies and 10 years of giving postgraduate education in various degree, diploma course of the University of Bombay including super speciality degree like D. M. and M. Ch.

The college has been given affiliation by the University of Bombay up to 18th June 1984. The inspection for permanent affiliation was held on 26-11-85 by a committee appointed by University of Bombay and the committee recommended that the temporary affiliation be continued till June 1988. The committee again visited these in institution on 21st May 86 and that report is awaited. The medical council of India has approved this institution for award of MBBS degree and postgraduate degrees diplomas and postgraduate super specialities which are conducted at this institution.

Dr. S. V. Nadkarni, M. S. (Gen. Surgery) is appointed as Dean, since 24th February 1986. He is also Head of the Deptt. of Surgery.

APPENDIX — I

List of Heads of the Department from 1-1-1987 to 31-12-1987.

| Sr. No. | Name | Qualification | Designation |
|---------|---------------------------|------------------|--|
| 1. | Dr. S. V. Nadkarni | M.S. | Dean & Prof. of Surgery. |
| 2. | Dr. N. A. Dabholkar | M.D. | Prof. of Physiology. |
| 3. | Dr. J. K. Bhatt | M.S. | Prof. of Anatomy. |
| 4. | Shri F. R. Billimoria | M.sc. (Biochem) | Prof. of Biochem. |
| 5. | Dr. K. P. Deodhar | M.D. | Prof. of Pathology. |
| 6. | Dr. (Mrs.) L. P. Deodhar. | M.D. | Prof. of Microbiology. |
| 7. | Dr. H. L. Dhar | Ph. D. | Prof. of Pharmacology. |
| 8. | Dr. Pritam Phatnani | M.B.B.S. | Hon. Prof. visiting of Foren. Med. department from 1-8-1984. |
| 9. | Dr. (Mrs.) Gopa Kothari | MBBS; M.D. (PSM) | Prof. of P. S. M. |
| 10. | Dr. M. V. Divekar | M.D. | Prof. of Medicine. |
| 11. | Dr. (Mrs) P. S. Menon | M.D. | Prof. of Medicine. |
| 12. | Dr. M. J. Gandhi | M.D. | Hon. Prof. of Cardiology. |
| 13. | Dr. A. P. Chaukar | M.S. | Prof. of C. V. T. S. |
| 14. | Dr. B. J. Damany | M.S. | Prof. of Neuro-Surgery. |
| 15. | Dr. R. L. Thatte | M.S. | Hon. Prof. of Plastic Surgery. |
| 16. | Dr. S. D. Bapat | M.S. | Hon. Prof. of Urology. |
| 17. | Dr. (Mrs.) P. R. Vaidya. | M.D. | Prof. of Obst & Gyn. |
| 18. | Dr. V. B. Athavale | M.D. | Hon. Prof. of Paed. |
| 19. | Dr. D'souza | MBBS, DPM | Hon. Prof. of Psychiatry. |
| 20. | Dr. V. R. Mehta. | MBBS, DVD | Prof. of Skin & VD. retired from 1-2-87. |
| 21. | Dr. S. S. Vengsarkar | M.S. | I/c Hon. Prof. of Orthopaedics |
| 22. | Dr. N. S. Laud | M.S. | I/c Hon. Prof. of Orthopaedics. |
| 23. | Dr. K. C. Gadre | M.S. | Hon. Prof. of ENT. retired from 1-1-87. |
| 24. | Dr. S. H. Pantvaidya | M.D. | I/c Prof. of Anaesthesia. |
| 25. | Dr. S. M. Shanbhag | M.D. | I/c Hon. Prof. of Dental Surgery. |
| 26. | Dr. (Smt.) S. A. Motwane | M.S. | I/c Ophthalmology department from 1-3-1986. |
| 27. | Shri S. T. Bhatt | M. Sc. | Head Occupational Therapy |
| 28. | Mrs. B. V. Bellare | B.Sc. (P.T.) | Head Physiotherapy. |

Dr. (Smt.) H. P. Rebello is continuing as Asstt. Dean of L. T. M. G. Hospital.

Admissions :—The admission capacity of students admitted for MBBS Course at this institution is 100 per year. The number of students on roll as on 31st December 1987 was 515 and that of post-graduate student was 303. There are 5 students under Dr. Dhar doing Ph. D. in Pharmacology. The department of Biochemistry is recognised for Ph. D. in Biochemistry since 1984 and 4 students are registered and working for Ph. D.

DMLT Course is conducted at this institution with intake capacity of 10 students. We are also enrolling students for M. Sc. course in following subjects in June term every year.

Course in following subject in June term every year.

| | |
|--|-------------|
| M. Sc. (Biochemistry) By papers | 10 students |
| M. Sc. (Biochemistry) By Research | 5 students |
| M. Sc. (Microbiology) By Research | 5 students |
| M. Sc. (Animal Physiology) By Research | 5 students |
| M. Sc. (Occupational Therapy) By Reserch | 5 students |
| M. Sc. (Physio Therapy) By papers | 5 students |
| M. Phil (Biochemistry) By Research | 1 student. |

The students on roll attending these courses are 79 Appendix.

Educational Activities :— Besides regular teaching programme monthly scheduled meetings and clinical cardiology conferences are held regularly. Scientific and educational films were shown to the staff and students.

Specialised training is imparted to students of other institutions by organising workshops and seminars. Specialised training in super speciality subjects is given and fee of 100/- p.m., is charged.

Interns :—Graduate from University other than Bombay University are allowed to undergo Internship training at the attached LTMG Hospital to the extent of 10 percent. From October 1984 term these interns are charged Rs. 100/- for every months training. B. Pharm, D. Pharm students are given training of 750 hours in pharmacy to a maximum capacity of six students at a time Rs. 100/- for 3 months training are charged from June 1985 term. Students from S. N. D. T. University & other technical institutions are allowed to work for practical training in Pathology on payment of Rs. 100/- for 3 month for training. Results of undergraduate and postgraduate students of the year 1987 and the prizes won by the students and those who stood first in the examination are shown on the Appendix I-A and I-B.

We are conducting competitive examinations in the subjects of Anatomy, Physiology, for 1st MBBS, Pharmacology, for 11nd MBBS and Medicine, Surgery, Obst & Gyn. PSM, ENT and Paediatrics for 111rd MBBS students every year. The winners of the exams are given merit certificates and cash prizes from the interest of the donation received at the time of silver Jubilee of the Institution which are kept in fixed deposit. The details of prizes with names of students who have won the prizes are given in Appendix I-CA competitive examination in Ophthalmology (only practical examn.) for regular batch and casual batch of interns is started from ugus^o 1983 named as Dr. Sathé's prize in Ophthalmology. Cash prize is given to Intern Judged as first. Similarly a competitive examinations in Pathology (for 11nd MBBS students) and Paediatrics (for 111rd MBBS students) are started from February 1986 and August 1985 respectively named as Dr. Athawale Prize. Cash Prizes are given to the students who stood I and II in the Competitive Examination.

Since November 1982 term, Dr. Hemant Kelkar prize is awarded for the P. G. student who is first in the merit list of registered candidate for M. S. (Gen- Surg.) course in the regular batch. (November term) student. It is given from the donations received from relatives in the memory of Late Dr. Kelkar in 1981.

A separate committee of students manages the students cultural and sport activities. To defray this expenditure, fee of Rs. 50/- per annum is being collected from the students and interns which has been increased to Rs. 80/- per annum from November 1982 terms onwards.

Research Society :—The staff and Research Society is functioning in this Institution since August 1966. It is registered under the Societies registration Act, and Public Trust Act. Medical Officers working in this Institution including Hon. Prof. Hon. Assistant Prof. Full Time Medical Officers upto the level of Tutors and Demonstrators are the member of the society. Annual subscription for each member is Rs. 25/- per annum. Total No. of membership as on 31st December 1987 is 225:

Hostel : Boys and Girls are given accommodation in two separate hostels. About 100 students are accommodated in these hostels. There are only boarding facilities in the hostel and for that an amount of Rs. 70/- per terms is recovered from the students which has been increased to Rs. 100/- from November 1982 term. Deposit of Rs. 35/- is taken from students occupying hostel for the first time.

Library :—During the year 427 books have been added to the collection totalling to 15,843 books. The Library has subscribed to 300 title of journals. The budget grant sanctioned for Library from L. T. M. M. College is Rs. 3,90,000.00 and that from L. T. M. G. Hospital budget is Rs. 2,20,000/-.

Total No. of Bound volume
of Journals on 31-12-1986

274

Annual Cost & Revenue :—Total expenditure of college amounted to Rs. 14,60,615/- excluding establishment cost against total cost incurred Rs. 1,43,44,809/- during the year.

The other details regarding net revenue of the college by way of tuition fees and miscellaneous receipts etc., and gross cost per student, net per student is enclosed separately.

Mobile Accident Service :—A mobile Accident service Van donated by Messers India Tobacco Co. Ltd. Through the Bombay Pradesh Congress Committee which is equipped with a wireless set attached to the Emergency ward has attended 42 calls and 1995 patients, have been admitted in the Emergency Ward.

Medical Record Department :—

In-Patients :—The Schedule bed strength of this hospital is 1,048. The distribution of beds according to the Departments is shown in Appendix III. 49,334 patients were admitted for indoor treatment during the year as against 50,205, 49,628, 50,453 during the preceding three years respectively.

Out-Patients :—The Out-patient department has attended to 2,20,207 new patients. The highest admissions and Out-patients attendance (only New Attendance) on a single day was 215 and 954 respectively.

Afternoon Out-patient Department :—There are three Out-patient Departments viz., Medical, Surgical, and Paediatrics running in afternoon. During the year 21,802 patients were treated in these departments.

Paying Patients :—Under the Scheme which is effective from 1951, 1,371 patients have been admitted during the year. Employees of the Corporation and their family members are allowed to avail of this facility on payment of 50 percent of the prescribed charges.

MEDICO LEGAL CASES :—

Casualty Department :—22,553 accidental and other Emergency Cases were treated in this department and 2,766 Injury certificates were issued to police and 177 court calls were attended by the Resident Medical Doctors during the year under report.

Certificates :—8,853 certificates of different types were issued to the patients during the year under report as under :—

| | |
|------------------------------------|--------------|
| (1) Opinion Certificates | 7,612 |
| (2) Injury Certificates | 456 |
| (3) A. Form Certificate | 233 |
| (4) Accident Insurance Certificate | 180 |
| (5) L. I. C. Certificates. | 182 |
| (6) Re-Imbursement | 190 |
| TOTAL : | 8,853 |

FEES COLLECTED : The collection on account of sale of OPD & Indoor Forms, bed charges from patients over stayed in General Wards & Maternity Charges for fourth delivery during year as under :—

| | |
|---|-----------------|
| | Rs. |
| (1) Sale of OPD Forms. | 5,14,608 |
| (2) Sale of Indoor Forms. | 2,22,675 |
| (3) Bed charges from patients over stayed in General Wards. | 1,20,660 |
| (4) Maternity charges for 4th delivery. | 8,900 |
| Total : | 8,66,843 |

Minor Surgery Department :— during the year.

Minor Operations were performed in the department

Pathology Department :—4,10,351 investigations were carried out and 1,659 autopsied were performed during the year (Medico legal P. M. 928 and Medical P.M. 731). A Special Laboratory has been set-up to work round the clock for the traumatic Emergency Service. The department has also under taken work for :—

- (1) Maa Hospital, Chembur
- (2) Chembur Maternity Home
- (3) Mulund Hospital (East & West)
- (4) Bhandup Maternity Hospital
- (5) Chunabhatti Maternity Hospital
- (6) Dharavi Urban Health Centre
- (7) Kurla Bhabha Hospital
- (8) Raoli Camp Maternity Home.

Anaesthesia Department :—During the year, 26,358 patients have received anaesthesia in various theatres and minor surgery department 5,710 patients were kept in recovery room and out of these 169 patients were required to be treated with respirators. 4,218 patients were examined in OPD for fitness for surgery.

X-Ray Department :—

| | |
|--------------------------------|----------|
| (A) No. of Patients | 80,553 |
| (B) No. of X-Ray | 1,35,760 |
| (1) No. of Ba-meal | 1,150 |
| Ba-Swallow | 340 |
| Ba-ename. | 180 |
| (2) Carotid Angiogram | 132 |
| (3) Special investigations | 11,840 |
| (4) Other misc. investigations | 1,22,638 |
| (5) Ultra sound | 9,870 |

Dental Department :—8,377 patients were treated for various tooth troubles.

Anti-Rabic Department :—3,291 patients were treated both new and 15,680 repeat.

Blood Bank :—The total number of Blood Samples collected from relative donors was 3,607 and that from voluntary donors was 2,919. Blood bottles brought from other Hospitals 954. The total number of blood samples supplied for transfusion during the year was 7,171.

Physiotherapy and Occupational Therapy Department :—The work done in these departments during the year is shown below (Out patients and In-patients)

| Sr. No. | Department | No. of Patients | No of Treatments |
|---------|----------------------|-----------------|------------------|
| 1. | Physio Therapy | 19,824 | 2,52,983 |
| 2. | Occupational Therapy | 18,953 | 1,54,841 |

Audiology & Speech Department :—During the year, patients, have taken advantage of services of the department, as under :—

| | |
|--|-------|
| (1) Number of Audiograms | 1,867 |
| (2) Number of New Speech Cases | 170 |
| (3) Number of visits speech therapy | 1,620 |
| (4) Number of special Audiometry Testing | 444 |

Hand Injury Follow Up Clinic :— Cases were registered during the year.

Family Welfare Centre :—A Family Welfare Centre is run for the benefit of patients attending the hospital. The work done is as follows :—

| | |
|---|-----|
| (1) Vasectomy Operations performed. | 11 |
| (2) Sterilization Operations performed. | 828 |
| (3) Loops Inserted. | 234 |
| (4) Patients given condoms. | 583 |
| (5) Patients given roal pills. | 138 |

School Clinic Department :—2,196 New and 12,218 Old Cases from 26 different Municipal School from the suburban and 32 City, 63 New 52 Old cases from 6 different secondary schools were treated during the year. 48 Tonsils Operations were performed on Schools Children, 260 spectacles were given during the year. Total expenditure on School Clinic at this hospital was Rs. 2,63,913/-

Flying Maternity Squad :—The Flying Maternity Squad donated by the Indian Red Cross Society, Bombay Branch, is rendering services to female patients round the clock. Whenever maternity cases need immediate special attention such as supply of Oxygen, Blood transfusion or Hospitalisation on telephone call, the flying Maternity Squad reaches there within a minimum time provides the necessary assistance. During the year, the squad attended such cases.

Dispensary :—The work carried out in the Dispensary is as follows :—

Out-patients

In-Patients

Special Prescriptions 2,64,147

M. S. W.

School Clinic

Department of Pharmacy :—Sterile and non sterile preparations were manufactured in Pharmacy department during the year as under :—

| | |
|--------------------|-------------|
| (1) I. V. Sets | 22,545 |
| (2) Dressing drums | 21,057 |
| (3) Savlon | 9,792 Litre |
| (4) Enema Soap | 414 Litre |

Department of Pediatrics : Following are the special activities of the department :—

1) Paediatric homatology clinic—Conducted twice a week. Variety of investigations are now possible in this clinic. New cases registered during 1987-943.

2) Asthma O.P.D. — It is conducted once in a week to follow up asthmatic children. New cases registered during 1987-75.

3) High Risk Newborn follow up O.P.D. is conducted once in a week — Total 126 cases:

4) Follow up O.P.D. for developmentally subnormal children was started in January 1985. It is held once in a week, New cases were registered during 1987 - 95.

5) Department of Pediatrics organised a National Workshop on Recent Advances in Neonatology in February 1987. Eminent neonatologist from the country were invited as faculty members for this workshop. Total 24 delegates from different parts of India participated in the workshop.

DIRECT SERVICE TO THE PATIENTS**(A) CASE WORK****(i) Long Term Cases :**

| Type of Cases | Nos. |
|---|--------------|
| (a) Chronically ill for Socio-psychological evaluation, counselling & rehabilitation. | 2,304 |
| (b) Orthopaedically handicapped for sociopsychological evaluation, Counselling & rehabilitation. | 756 |
| (c) Sensory disorders (hard of hearing & failing vision) for socio-psychological evaluation, Counselling & rehabilitation. | 328 |
| (d) Mentally ill cases for psycho-social evaluation, Counselling & Rehabilitation. | 1,776 |
| (e) Mentally Retarded Cases for psycho-social evaluation, Counselling & Rehabilitation. | 129 |
| (f) Socially handicapped, cases for adoption cases for termination of pregnancy, foster cases, etc. for psycho-social evaluation, counselling & Rehabilitation. | 321 |
| Total : | 5,605 |

Short-Term Cases :—

| | |
|---|--------|
| (a) Cases of discharge problems & institutionalisation. | 316 |
| (b) Cases in need of appliances e.g., Crutches, drugs, & spectacles, etc. | 3,042 |
| (c) No. of turns cases given medicines in M. S. W. Opp. | 27,683 |

(iii) Blood camps & Blood bottles collected :—

| | |
|--|-------|
| (a) No. of relatives seen for collection of blood given to the patients. | 58 |
| (b) No. of camps Organised. | 2,741 |
| (c) No. of Blood bottles collected from voluntary donors. | |

Group Works : Group Work as a method has been found as one of the most effective one and hence, it has been used by the MSWs now for the last several years. Some groups were time-bound and completed in a series of sessions, whereas some were on-going. Details of the same are as follows :—

(A) Therapeutic Groups :

- i) The Youth Deaf Club continued its activities on Once a week basis between 1.30 to 4.30 p.m., every Saturdays. As usual they had various topics from current news to discuss. They went out for picnics and overnight Camps. This year, with the Dean's permission, the Deaf Group is registered with the Charity Commissioner and with the Society Registration Act, The Deaf would be the Committee members and would conduct activities of their interest with priorities.
- ii) Group of Deaf from the School was conducted on an ongoing Basis.
- iii) Group of Parents of the Deaf were also seen regularly to solve their difficulties and queries and to learn from each other to cope with the needs of the deaf child.
- iv) Group of Parents of the mentally retarded were also contacted and helped to understand their retarded child better.
- v) Group of Paraplegics conducted with the help of student Social Workers who helped the new paraplegics to learn to cope with their physical & emotional problems due to paraplegia. It also helped them to take more interest in themselves and get motivated to take up work.
- vi) Family Therapy Groups were conducted for marital disharmony and emotional disturbance.
- vii) Groups of Alcoholics were conducted with help of the AA members. Groups of the relatives of alcoholics were also conducted to help them cope with the stress and to regard the addiction as an illness.

(B) Education Group Work : These are conducted to educate the patients and their relatives on the nature of the illness and the care that needs to be taken they were :

- i) Relatives of drug addicts admitted in the Wards were seen once a week.
- ii) Parents of the epileptic children were seen to disseminate information about epilepsy and its management, importance of follow-up, regular treatment, etc.
- iii) Parents for high protein preparation and demonstration were seen in groups and talks were given to them on importance of a balanced diet and high protein food.

(C) **Recreation Group** : Patients from wards are kept occupied in recreational activities. Children are given toys or story books. N. S. S. Volunteers go to the Wards to play some game, etc., for the bed ridden children. Other children who can move, are taken to the All India Women's Conference. She comes daily from Monday to Friday between 2.00 p.m. to 4.00 p.m. and manages the Toy Bank with the help of the N. S. S. Volunteers.

(D) **On Going Projects** : (a) For Out-door Patients.

i) **Nutrition Project** : Malnourished children, T. B. Patients and children are advised high protein diet and are given high protein powder specially devised and prepared by the M. S. W. dept. This powder is also sold at the sale Counter at the rate of Rs. 6/- per packet of ½ Kg. Sometimes demonstration of preparing various tempting dishes is given to the mothers.

ii) **Grain Distribution** for families going through a crisis situation is done with the help of the VISHWA HINDU PARISHAD, at the rate of 5 Kgs. Rice and 5 Kgs wheat per month. Fifty such families are getting the benefit of this project.

iii) **Mid-day meals** given to poor relatives of patients admitted in the Wards, especially for those who cannot afford to go out and buy their meals. This scheme is also extended to the Workshop inmates.

iv) **Sheltered Workshop** is conducted for the physical, mentally retarded and emotionally handicapped cases. Its sections are :

a) **Training in tailoring** is given to the deaf young girls who have just passed out from school and have nothing else to do. One batch of 12 girls have passed the Government Vocational Training Examination held in 1985. This year along with the deaf girls even the mentally ill and the socially handicapped are also undergoing training for the examination.

b) **Production** : Patients with different handicaps (blind, deaf, orthopaedically handicapped, mentally ill, socially handicapped and some medical cases, relatives of needy patients) are given opportunity to work together, to gain self confidence and earn some money. They are paid on piece work basis. This also keeps them gainfully occupied in the following activities :

i) **Tailoring** : Making baby clothes, hospital mending, stitching orders, 6-8 pkts when work is available.

ii) **Paper bags making** : 8-10 patients employed per day.

iii) **Chair canning** : 4-5 patients when work is available.

c) **Sale Counter** : Sanitary pads and baby clothes, made by the convalescent patients in the workshop, and high protein powder are sold at the sale counter. All sale proceeds are deposited in the Poor Box Fund. Handicapped persons conduct the sale.

Indoor Patients : (i) Toy Bank is conducted for children admitted in the Wards. Sometimes children related to patients admitted in wards also come and play. A volunteer to manage this activity is given an honorarium by the All India Women's Conference.

(ii) **Circulating Library** for the wards where usually adult patients are kept for longer time. Old magazines and books are given for reading. Everyday in the afternoon, patients from different wards. (Wards 12, 14, 15, 16, 19, 29 and 30) are given books and magazines by a Worker (old patient of the deptt.) This activity is conducted by sponsorship of donors by paying honorarium to the attendant and donation of old books and magazines. The M. S. W. Department gives overall supervision.

(iii) **Picture—Poster Library** by which Posters are circulated in the Wards which helps to create a pleasant and healthy atmosphere there.

Special Activities : Overnight Camps : Trips and Picnics are organised for the different groups of handicapped. Through these activities a platform is provided to the group members to share their experiences and generate confidence to face difficult situations in life.

Seminars, Workshops and Panel Discussions : are organised for the various groups of disabled along with the rehabilitation team members to bring about better interaction between them and among themselves.

Special Projects :

a) **Development Clinic** : A Workshop on 'Early Diagnosis and early intervention of handicapped children of pre-school Age' was held in 1984 in the L. T. M. G. Hospital. The emphasis was developmentally subnormal (retarded) children (6) years and the necessity of early intervention. With this in view, the Development Clinic was started in LTMG Hospital. The MSW works with the parents and children for the best possible development and rehabilitation of the children.

A team of a paediatrician, Occupational Therapist and Social worker attend the Development Clinic OPD, once a week. Patients are evaluated by the team and are thus helped in therapy. Role of social worker comes into the picture to help the family with a mentally handicapped child. The entire family needs moral support, practical advice, continuing encouragement and motivation to work for the child.

Strategies Planned :

a) Visits to Special schools/Institutions for the mentally retarded persons.

b) To reach more families in the community, especially in the lower income levels and in particular to identify those who have a handicapped child of pre-school age, a project is being formulated. This will be a sequel to the Development Clinic.

The M. P. S. W. Department is one of the Core Group members in the "Genetic Counselling Project" under CAMHADD (Common Wealth Association of Mentally Handicapped and Developmental Disabilities). The Social Worker attended a one week Workshop and received training in the same. In order to prevent mental-retardation and for its early detection, survey work will be conducted in a slum community. The Social worker will be responsible for selecting and training of community health volunteers, supervising the project and maintaining records. The survey will begin by the end of this year after the volunteers are given training.

Project Help : In the Cause of Women a Project was undertaken by the Deptt. As the daily papers reported frequent cases of harrasment of women by in-laws, married women losing their lives in order to get justice. In collaboration with the police Cell, Women voluntary organisations and M. P. S. W. Deptt. "PROJECT HELP" was started in July 1987. Under this Project the women Burn-cases were seen immediately on admission. Form Night (after 9.00 p.m.) the Police Van was sent to MSWs and Volunteers' Houses and cases were interviewed. Total number of cases seen under this project was 152 in the year under consideration.

Hospital Extension Project Sarvodaya Hospital : Convalescing patients from the wards, unknown patients with rehabilitation plans are transferred to Sarvodaya Hospital. Weekly follow-up is maintained by M. S. Ws., concerned for discharge or any other related social and psychological problem. Overall supervision for discharge or rehabilitation is also maintained.

King George Infirmary : 20 Patients mainly from Orthopaedic Units are transferred to K. G. Infirmary through M. S. Ws. who keep weekly follow-up for related problems and discharge. Patients are kept here mainly for P.T.O.T. Treatment and psychosocial rehabilitation.

L. T. M. G. Hospital's School for the Deaf : The M. P. S. W. Deptt. started the school of the Deaf in the year 1973 at the old barracks of our hospital. We had 7 deaf children and one trained teacher. The expenses were sponsored by the Vivekanand Medical Mission.

In the year 1976, the school developed and shifted to the Municipal Primary School Building. By 1987 we had 120 children. The staff includes 13 teachers for the deaf, two part-time craft teachers for the deaf deputed by the Education Deptt. B. M. C. One teacher for Tailoring sponsored by the donor, 1 ayabhai and one sweeper.

II) Teaching and Supervision :

a) Teaching Medical, Nursing and Social work students.

b) Student Social Workers come from training schools of social work for their field work experience. They usually have to put in 15 hours week. They are given cases, group and projects to work with to gain experience, through cases records and demonstrations, etc., they are taught social work practice and skills. An evaluation report is sent to their respective institutions on the basis of which the students are given grades in their field work. Passing in the Field work is compulsory.

(C) **Orientation lectures :** are given to the visiting groups from various training institutions of social work in hospital and hospital social work.

(D) N. S. S. Volunteers are sent to the hospitals from Khalsa, Ruia, S. I. E. S., Poddar, B. M. Ruia and S. I. W. S. Colleges. They come in batches for a total period of 60-120 hours from the month of August to February. 133 students were placed in the year 1987.

P & S. M. : The Report of the work done by the Department of Preventive and Social Medicine to be included in the body of the Annual Administration Report of the Institution.

1. TEACHING PROGRAMME :

A — a) Lectures to under graduates.

b) Field visits for undergraduates.

c) Family visits for under graduates.

d) Practicals for under graduates.

e) Tutorials for under graduates.

B — Lectures for Interns

C — Lectures for Post Graduate Teaching

D — Training for Nurses.

2. HEALTH SUPERVISION OF SCHOOL CHILDREN :

Cross Road School and Transit Camp School Dharavi are included under School health programme. Medical Check up and immunisation are carried out in both the schools. 200 Children have received supplementary feeding. In addition Audio-metric check-up for screening for hard of hearing, health educational talks by Interns.

As a part of child to child programme, child volunteers are trained in various health aspects at Transit Camp School and at Cross Road Schools.

3. VIT A. PROPHYLAXIS PROGRAMME :

Oral Vit A was given in Dharavi community by making home visits as well as at the Clinic.

| DOSES OF VIT. A | | | | | TOTAL |
|------------------|------------------|------------------|-----------------|----------------|-------|
| Ist Dose 73 | IInd dose 362 | IIIrd dose 85 | IVth dose 48 | Vth dose 30 | 984 |
| VIth dose 386 | VIIth dose — | VIIIth dose — | IX dose — | — | |

4. UNDER FIVE CLINIC :

Under five clinics are conducted at Matunga Labour Camp, Urban Health Centre, Dharavi. Minor ailments of these children are treated. If necessary they are referred to the specialist. B. C. G., Triple, Polio Measles, Immunisation, are carried out. Malnourished children are given Nutritional Aid, Health education on the common problems is given to mothers (App. 1).

5. CHILD WELFARE CENTRE :

The child welfare centre is conducted by the department of P. S. M. at L. T. M. M. College & Hospital compound and children are enrolled from 3 months onwards and are followed upto the age of five years (App. 2).

6. MEDICAL RELIEF :

Adult patients and children were examined and treated at Dharavi Urban Health Centre & Matunga Labour Camp H. P. Area. Those who need specialist's Treatment were referred to L. T. M. G. Hospital, TT & TABC were given to adult population. Children were protected by D. P. T., Polio, Measles, T. A. B. (App. 3).

7. URBAN HEALTH INTERNSHIP PROGRAMME :

Interns are posted for comprehensive health care to all Urban Slum Community adopted by P. S. M. Department.

8. ROME PROJECT :

Gautam Nagar, Lal donger, Kala Killa, Naik Nagar, were selected for this programme. Immunization & vit. A prophylaxis were conducted.

SOCIAL SERVICES :**1. Community visits at Dharavi Slums :**

| | |
|--------------------------------------|------------|
| a) M. L. C. Dharavi | 323 visits |
| b) A. K. C. Nagar Dharavi | 184 visits |
| c) Transit camp Dharavi | 215 visits |
| d) Kunchikorve Nagar Dharavi | 285 visits |
| e) Muslim Nagar Dharavi | 175 visits |
| f) Collateral contacts for community | 70 Nos. |
| g) Health talks | 179 Nos. |

2. Community visit for ROME Programme :

| | |
|--------------------------------------|-----------|
| a) Naik Nagar | 98 visits |
| b) Lal donger community | 22 visits |
| c) Kala Killa | 95 visits |
| d) Collateral contacts for community | 20 Nos. |
| e) Health talks | 27 Nos. |

3). Aids Provided for the Dharavi Slums Dwellers :

A — C.R.S.—Nutritional aid with the help of Catholic Relief Services is given to the slum dwellers from Dharavi. No. of beneficiaries—150 children.

ii) N. R. C. Nutritional rehabilitation centre Dharavi has enrolled 40 malnourished children. They are fed on nutritious type of diet including milk once a day. Average attendance at each clinic is around 35.

iii) Feeding for affected children. A high protein Nutrition snack is being given daily to 25-35/months.

B — Economic aid in terms of each — 13 beneficiaries.

C — School fees & Note Books — 15 children were sponsored.

D — Employment — 8 women were provided with employment.

E — Referrals — Case work & fellowship in Hospital 271 cases.

4) Other Activities :

- a. Literacy Classes : Literacy classes are continued four times a week with the help of voluntary workers in Four areas — 50
 - 1) Ramabai Nagar, 2) Indira Nagar, 3) C.W.C., Nityanad Nagar.
- b. Sewing classes : Sewing classes are continued from Monday to Saturday at U. H. C. A Teacher is appointed. There are 4 sewing machines donated by various agencies and 75 women are UNDER training. Tests are arranged once in Six months & Certificates are issued to sewing women. One is community also there.
- c. Balwadies : 4 Balwadies at Kunchikorve Nagar and one each at Indira Nagar, Nityanand Nagar & Ambedkar Nagar are continued, about 150 children enrolled. Balwadi started at Ambedkar Nagar in 87 Oct.
- d. 35 Mahila Mandals have been organised in Dharavi Slum.
- e. 22 youth groups have been organised in Dharavi area.
- f. 1397 T. B. patients have been diagnosed in Dharavi slum and being followed up regarding treatment. This programme has been started from August 1982.
- g. Exhibition : MMP Shah students gave lecture on handicrafts to 10 girls, 3 exhibitions — Transit Camp — Shramjivi Nagar Chembur (MLC).

5) Health Education : Activities are continued regularly in the form of health talks, demonstration, exhibitions, films, slides shows etc., in all the communities.

I. WORLD HEALTH DAY CELEBRATION :

Wh. O. Day was celebrated on 7th April 1987. The department of Preventive & Social Medicine at L. T. M. M. C. Sion, celebrated the World Health Day by organising an exhibition and seminar, at O. P. D. building of L. T. M. G. Hospital Sion, Bombay — 22. The posters were displayed on various aspects of immunization and vaccination programme for children was also carried out in the exhibition with the help of P. H. N. and staff of P. S. M. Department. About 121 children were immunised and were also advised to come for followup.

The exhibition was kept open for public for 2 days i.e., on 7th and 8th April 1987. About 2000 visited the exhibition. All the posters were explained to visitors by the staff of P. S. M. Dept., MSW and student Nurses.

II T. B. CLINIC :

This is conducted by Urban Health Centre, Dharavi. The adult suspected cases of T. B. are referred to Sion Hospital, for further investigation. So far 1889 cases are referred for investigation and they got their treatment at Urban Health Centre Dharavi. 1866 children are treatment at T. B. Clinic at Urban Health Centre Dharavi.

III Leprosy Clinic : This is conducted at Urban Health Centre, Dharavi twice a week with the help of Bombay Leprosy Project. About 620 cases of leprosy are under treatment.

IV Rehabilitation of Physically Handicapped : The programme was started in June 1987 with the help of I. S. R. R. The physically handicapped children who were school drop outs were included under this programme. The aim of this programme is to prevent juvenile delinquency and train every physically handicapped in some vocation through which he can earn and maintain himself. Two courses are conducted for the Physically handicapped namely : 1) Radio Respiring, 2) Tailoring (Rexine bag making 3) Clay modelling 4) T. V. Repairing.

V Screening for Hard of Hearing : This project is in collaboration with NASEOH & UNICEF and was started in August 1983 Under this project as a first phase 10,000 children between 0,10 years will be screened from Dharavi area. The group is divided into two sub-group consists of 5000 children 6-10 years from school, 1763 were found defective. 5 students were operated and 1404 had minor ailments. The various activities of the programme are :—

- 1) Audiometric check up of children
- 2) Treatment of ear problems
- 3) Rehabilitation of hard of hearing children
- 4) Training of workers and parents in care of ear.

VI Family Welfare Clinic : Every Friday 2-3 women undergo sterilisation Daily Vasectomy operations are carried out as well as distribution of Oral pills and insertion of loops. Population is educated regarding small family norm. Vasectomies are carried out on all working days and 21 vasectomies were carried out during 1987.

At this clinic the population is educated regarding small family norm daily.

VII Special Training Schemes :

- a) Community health workers scheme. It is continued and regular training to a batch of women and refresher training course is arranged for the group which is already trained.
- b) Training of traditional birth attendants (DAIS) Two batches were already trained under the programme. Another batch of women is under training.

- c) Training children—child to child programme: 150 children were given training on various aspects of health under this programme. One more batch under training.
- d) Training of Youth 15.

Health Education Activities :

- a) Routine Health talk on health promotional aspect is given in Dharavi and other community under five clinics.
- b) Health exhibition is regularly held at Dharavi, Urban Health Centre. The posters on various aspects of health are displayed.
- c) Health education films are shown to the slum dwellers regular.
- d) 471 Nutritional demonstrations are arranged at Urban Health Centre for mothers attending under five clinics.

Academic Activities :

- a) Xerophthalmia project at Dharavi continued with the help of NASEOH
- b) Xerophthalmia project at Bombay slums continued with the help of Operation Eye sight Universal (O. E. U.).

Report of the work done by the department of preventive and Social Medicine to be included in the body of the Annual Administration report of this institution.

I — Activities at Urban Health Centre Dharavi :

The activities are carried out by the department of P. S. M. at U. H. C. Dharavi can be classified into three categories :—

- 1) Medical Services
- 2) Welfare Activities at Centre and at Home
- 3) Special Activities
- 4) Social and Recreational Activities — Youth Forum.

I — Medical Services :

- Routine :
- 1) Medical Relief for Adults & children
 - 2) Immunization Clinic
 - 3) Under Five Clinic
 - 4) Ante-natal Clinic & Mother Craft Clinic
 - 5) Family Welfare Centre
 - 6) T. B. Clinic
 - 7) Leprosy Clinic
 - 8) Ophthalmic Clinic
 - 9) E. N. T. Clinic
 - 10) Rehabilitation of Poliomyelitis cases.

Nutrition and Horticulture :

- 1) Nutritional rehabilitation centre at U. H. C.
- 2) C. R. S. Feeding Programme at U. H. C.
- 3) Feeding programme for T. B. Children
- 4) Kitchen Garden at U. H. C.

Health Education

- 1) Talks
- 2) Group discussion
- 3) Exhibitions
- 4) Films and slide shows
- 5) Demonstrations
- 6) Role playing
- 7) Screen printing machine.

Training Programme :

- a. Training of Workers
 - i) Community health workers
 - ii) Traditional Birth attendants
 - iii) Child Volunteers
 - iv) Youth groups

b. Training Courses :

- i) I. C. D: S. Project
- ii) Xerophthalmia project

ii Nutrition Rehabilitation Centre :

The nutrition rehabilitation centre is run at the Urban Health Centre, Dharavi. About 70 malnourished children are fed nutritious type of food twice in a day, both in the morning and evening. Nutrition demonstrations are carried out for the mothers of malnourished children at the centre as well as in slums.

iii Balwadies :

There are 4 Balwadies run by the department of P. S. M., in the slums of Dharavi. In each Balwadi about 30 children are enrolled and given non-formal education, recreation & supplementary nutrition.

IV Training of the Workers :

- a. Community health workers scheme. It is continued and regular training to the new batch of women and refresher training course is arranged for the group which is already trained.
- b. Training of traditional birth attendants (DAIS). One batch of 5 was already trained under the programme.
- c. Training of children child to child programme. 100 children were given training on various aspects of health under this programme.

DEPARTMENT ACTIVITIES :

Health Supervision of School Children :

Cross road School and Transit Camp School Dharavi are included under school health programme. Medical Check up and Immunization are carried out in both the schools, supplementary feeding programme was extended to Four Standards and 3000 children received supplementary feeding. In addition Audiometric Check up Health Education talks by Interns, Detection for Rheumatic fever, child to child programme was carried out in Transit Camp group of schools as well as at Cross Road group of Schools.

V AUDIO VISUAL SLIDS SHOW :

One audio-visual slide show produced by Dr. Gopa Kothari on vaccine preventable diseases in collaboration with Lion's Club of Sion.

Nurses Training School : During the year 85 students nurses were admitted for training in the General Nursing and 35 students nurses for midwifery. 73 and 48 student were sent for general nursing part I and part II and midwifery examinations respectively. Out of whom 70 and 47 student nurses in part I & II have passed respectively. Out of 35 student nurses of midwifery 34 have passed.

Ambulance Services : Round the clock ambulance service is maintained at this Hospital.

Poor Box Charity Fund : The amount in the poor Box Charity Fund as on 31st March 1987 stood at Rs. 4,90,010.06 collection from the Boxes donations and other miscellaneous receipts during year amounted to Rs. 15,19,052.19 and expenditure through the Poor Box Charity Fund was Rs. 11,27,043.49. The total amount in the Fund as on 31st March 1988 stood at Rs. 6,22,018.76.

Special Facilities for Municipal Employees : Separate counters have been kept reserved at the Registration Department. Dispensary and afternoon O.P.D. for the Municipal Staff. Fifty percent concession is granted in paying bed scheme.

The sale of drugs and Medicines for the benefit of patients have been started at this Hospital through L.T.M.M. College and Hospital consumers Co-operative Society from the year 1986.

DR. S. V. NADKARNI, M. S.
D E A N
L.T.M.G. HOSPITAL &
L.T.M.M. COLLEGE,
SION, BOMBAY — 22.

**APPENDIX —I-A
RESULTS**

| Period | Examination | Appeared | | Passed | | % of passing. | Name of the Student | Total Marks. |
|--------------|--------------------|----------|--------|--------|--------|---------------|-------------------------|--------------|
| | | Male | Female | Male | Female | | | |
| April 1986 | 1st M.B.B.S. | 18 | 16 | 11 | 10 | 61.76 | Smt. Vatkar Kiran S. | 502/750 |
| | 2nd M.B.B.S. | 37 | 65 | 32 | 61 | 91.20 | Smt. Dalmia Mamta. | 455/600 |
| | 3rd M.B.B.S. (Old) | 2 | — | — | — | — | — | — |
| | 3rd MBBS (Rev) | 25 | 18 | 13 | 8 | 49.94 | Shri Bagikote Hemant B. | 955/1500 |
| October 1987 | 1st M.B.B.S. | 44 | 63 | 36 | 53 | 83.18 | Smt. Charl Chitra | 580/750 |
| | 2nd M.B.B.S. | 14 | 13 | 10 | 10 | 74% | Smt. Patani Krutika V. | 388/600 |
| | 3rd M.B.B.S. (Old) | 2 | — | 1 | 0 | 50% | Shri Dhandore | — |
| | 3rd M.B.B.S. | 43 | 63 | 23 | 41 | 60% | Shri Soman Sandeep | 1031/1500 |

APPENDIX I-B

Results of P. G. (All Branches) Degree & Diploma of June 1987 & November 1987.

| Subject | JUNE 1987 | | | NOVEMBER 1987 | | |
|-----------------------------------|-----------|--------|--------------|---------------|--------|--------------|
| | Appeared | Passed | % of passing | Appeared | Passed | % of passing |
| M. D. Medicine | 7 | 2 | 28.57 | 11 | 7 | 63.63 |
| Obst. & Gyn. | 6 | 2 | 33.33 | 8 | 5 | 62.50 |
| Pharmacology | 1 | — | — | 2 | 2 | 100% |
| Paediatrics | 6 | 2 | 33.33 | 11 | 7 | 63.63 |
| Skin & V. D. | 2 | — | — | 4 | — | — |
| Anaesthesia | 3 | 1 | 33.33 | 6 | 3 | 50 |
| Radiology | 1 | 1 | 100 | 3 | — | — |
| P.S.M. | 3 | 1 | 33.33 | 1 | 1 | 100 |
| Psychiatry | 1 | 1 | 100 | 1 | 1 | 100 |
| Pathology | 2 | 2 | 100 | 5 | 4 | 80 |
| Microbiology | 2 | 1 | 50 | 1 | — | — |
| M. S. Gen. Surgery | 7 | 2 | 28.57 | 10 | 5 | 50 |
| Orthopaedics | 6 | 2 | 33.33 | 6 | 4 | 66.66 |
| E. N. T. | 1 | — | — | 2 | 2 | 100 |
| Ophthalmology | 2 | 1 | 50 | 2 | 2 | 100 |
| D. M. Cardiology | 1 | — | — | 2 | — | — |
| M. Ch. Neuro Surgery | 1 | — | — | 1 | 1 | 100 |
| M. Ch. Urology | 2 | 2 | 100 | 3 | 2 | 66.66 |
| M. Ch. C. V. T. S. | — | — | — | 1 | — | — |
| Diploma D. A. | 8 | 8 | 100 | 5 | 5 | 100 |
| D. M. R. D. —I | 2 | 2 | 100 | 2 | 2 | 100 |
| D. M. R. D. —II | 4 | 4 | 100 | — | — | — |
| D. V. D. | 2 | 2 | 100 | 2 | 2 | 100 |
| D. P. M.—I | 2 | 2 | 100 | 3 | 3 | 100 |
| D. P. M.—II | — | — | — | 2 | 1 | 50 |
| M. Sc. Biochemistry by paper —I | 12 | 8 | 66.66 | 3 | 3 | 100 |
| M. Sc. Biochemistry by papers —II | 7 | 7 | 100 | 1 | — | — |
| M. Sc. Biochemistry by Research | 6 | 4 | 66.66 | 6 | 3 | 50 |
| D. M. L. T. | 3 | 2 | 66.66 | 9 | 9 | 100 |
| D. P. H. —I | — | — | — | 2 | 1 | 50 |
| D. P. H. —II | — | — | — | 1 | 1 | 100 |
| M. Sc. (O.T.) | 6 | 5 | 83.33 | — | — | — |
| M. Sc. (P. T.) | 3 | 3 | 100 | — | — | — |

APPENDIX — I—C

- | | |
|---|---|
| 1. Dr. G. S. Ambardekar Prize for the year 1987-88 for standing I and II in 1st MBBS in October 1987. | 1st — Miss Chari Chitra V. S. R. 2nd — Mr. Divekar Abhay A |
| 2. S. Tambe Prize for the year 1987-88 for standing first at final MBBS Oct. 1987. | Shri Soman Sandeep Sudhakar |
| 3. Smt. Shantabai K. Rao Prize for the year 1987-88 for standing 1st in Medicine at final MBBS Oct. 1987. | Shri Phadke Aniruddha Yeshwant |
| 4. Dr. R. S. Damle Memorial Gold Medal in Medicine (held on 11th August 1987 & 18th August 1987) | 1st — Shri M. P. Satoskar 2nd — No. candidate found suitable |
| 5. Dr. G. M. Phedke Memorial Award in PSM (held on 18-8-1987 & 20-8-1987) | 1st — No. candidate found suitable 2nd — Shri Ajay Puri |
| 6. Dr. G. M. Phadke Memorial Award in Surgery (held on 17-8-1987 & 20-8-1987) | 1st — Shri Shelar S. S. |
| 7. Dr. G. M. Memorial award in Pharmacology held on 29-2-1988 | None was found suitable to be awarded. |
| 8. Dr. B. M. Bhargava Memorial prize in Obst & Gyn (held on 22-8-1987) | Not found any student upto the rank for giving prize |
| 9. Dr. B. M. Bhargava Memorial prize in Anatomy (held on 26-8-1987) | 1st — Chari Chitra V. S. R. 2nd — Shared between 1) Divekar Abhay A & 2) Loboprabhu Shaila |
| 10. Dr. C. M. Cadre Memorial Prize in ENT (held on 12-8-1987 & 13-8-1987) | 1st — Miss Kavita Athavale 2nd — Miss Nalini Agrawal |
| 11. Dr. C. M. Gadre prize in Physiology (held on 22-8-1987 & 27-8-1987) | 1st — Miss Loboprabhu Sheila |
| 12. Dr. Athavale Prize in Paediatric (held on 19-8-1987 & 21-8-1987) | 1st — Shri Yatin Shah 2nd — Miss Kavita Athavale |
| 13. Dr. Athavale prize in Pathology (held on 2-3-1988 & 9-3-1988) | 1st — Miss Seema Khanolkar |
| 14. Dr. Sathe Prize in Ophthalmology for Interns for the year 1987 (held on 25-9-1987) | 1st — Shri Shivram Nadkarni |
| 15. Dr. Hemant Kelkar Prize for the year 1987. | 1st — Shri Anant Shivan Subramanian |

APPENDIX — II

Papers Read and Published

DEPARTMENT OF
MEDICINE

Dr. P. S. Menon
Dr. G. Suhasini
Dr. Chawla

"Aspiration Cytology in the diagnosis of thyroid disorders," paper read in Conference of API held at Madurai.

Dr. P. S. Menon

"An Approach to a patient with oedema," paper published in Indian Practitioner, in November 1987.

Dr. P. S. Menon
Dr. R. B. Morajkar

"Rational use of steroid therapy" paper published in Indian Practitioner, in December 1987.

Dr. S. A. Nanivadekar
Dr. K. K. Punamiya
Dr. U. R. Popat
Dr. B. N. Dhabhar
Dr. L. S. Bichile

"A study of 11 patients accidentally exposed to chlorine fumes" paper published in Indian Practitioner, in 1987.

Dr. L. S. Bichile
Dr. S. A. Nanivadekar

"Duodenal Obstruction," paper published in JAPI in 1987.

Dr. L. S. Bichile
Dr. K. Saraswati
Dr. R. N. Agarwal
Dr. S. A. Nanivadekar

"Campylobacter Jejuni infection in a general hospital paper published in JAPI 1987.

Dr. S. A. Nanivadekar
Dr. P. D. Sawant
Dr. H. D. Patel

"The relevance of Emergency endoscopy set up for acute G. I. Haemorrhage in a published by Asian Medical Journal.

Dr. S. A. Nanivadekar
Dr. P. D. Sawant
Dr. Saraswati K.
Dr. C. P. Shroff
Dr. L. S. Bichile
Dr. H. D. Patel
Dr. D. S. Shroff

"Association of Campylobacter pylori infection with gastritis" paper published in Ind. Journal of Gastroenterology.

Dr. M. E. Yeolekar

"One presentation performing to CVD was made in L. T. M. G., S. R. S. Bimonthly meeting" in 1987.

"One presentation on observations at Stroke CVD follow up is being made at Bombay Medical Congress in January 1988.

"Hypertension in acute stroke" paper presented at Annual conf. 1987 in A.P.I.

"One paper on Stroke being presented at Annual Conf. 1988 at A. P. I.

Dr. L. S. Bichile
Dr. S. A. Nanivadekar

"Duodenal obstruction" paper published in P. G. Clinic in JAPI.

DEPARTMENT OF
MEDICINE

Dr. L. S. Bichile
Dr. S. K. Bichile
Dr. S. Shah

"Renin in Essential hypertensior." published in Hypertension India.

Dr. L. S. Bichile
Dr. K. Saraswati
Dr. R. N. Agarwal
Dr. S. A. Nanivadekar

"Campyebacter Jejuni infection in a general Hospital" published in JAPI 1987.

Dr. S. A. Nanivadekar
Dr. L. S. Bichile
Dr. K. Saraswati
Dr. R. N. Agarwal

"A study of eleven patients accidentally exposed to chlorine fumes" paper published in the Indian Practitioner in May 1987.

- Dr. P. D. Sawant "Review Anaphylaxis" published in Indian Practitioner in 1987.
- Dr. P. D. Sawant
Dr. S. A. Nanivadekar
Dr. Shroff C. P. "Spontaneous Regression of Gastric Carcinoid" paper published in Amer. J. of Gastroenterology.
- Dr. S. A. Nanivadekar
Dr. P. D. Sawant
Dr. H. D. Patel "The relevance of emergency endoscopy set up for acute upper gastrointestinal haemorrhage (AUGIH) in a developing country" published by Asian Medical Journal.
- Dr. S. A. Nanivadekar
Dr. P. D. Sawant
Dr. K. Saraswati "Association of campylobacter pylori with gastritis, duodenal ulcer and gastric ulcer" paper published in Indian J. Gaster.
- Dr. S. A. Nanivadekar
Dr. Govindani N. F.
Dr. P. D. Sawant "A comparison of two dosage regimens of pirusepine versus cimetidine in endoscopically diagnosed duodenal ulcer" paper published by JAPI.
- Dr. S. A. Nanivadekar
Dr. P. P. Bhatt
Dr. L. S. Bichile
Dr. P. D. Sawant "Rapid diagnostic test of C. pylori in patients of gastritis duodenal ulcer & gastric ulcer" paper published by JAPI.
- Dr. S. A. Nanivadekar "Peptic ulcer disease in India. A 10 year prospective study of 1084 patients in an urban Teaching hospital paper published in 1987.
- DEPARTMENT OF SURGERY** Dr. T. T. Changlani "Depressed fracture skull our experience" paper published by International Conference of Surgery in Tropics.
- "TPN in treatment of Enterocutaneous fistule" paper published by inter national Conference of Surgery in Tropics.
- "Neurtising fascitis"
- DEPARTMENT OF SURGERY** Dr. T. T. Changlani "Neurotising fascitis" paper published by international Conference of Surgery in tropics.
- Dr. V. D. Trivedi "Obstructive Uropathy" paper published in Indian Practitioner in Oct. 1987.
- "Normovolumic haemodilution" paper published in Indian Practitioner in June 1987.
- Dr. M. A. Gore "Congenital anorectal anomalies" paper published in Indian Practitioner in March 1987.
- "Hydatid disease of liver" paper published in Indian practitioner in April 1987.
- "Our experience with depressed skull fracture" paper presented in 2nd International Conf. on Surgery in tropics.
- Dr. Meenakumar "Congenital hypertropic pyloric stones" paper published in the Indian Pract. in March 1987.
- "Surgical complications of amoebic liver abscess". paper published in the Indian Practioner in April.
- "Cancer chemotherapy in a gen. hospital" paper published in a the Indian Practioner in August 1987.
- "Obstructive uropathy" paper published in the Indian Practitioner in October 1987.

- Dr. A. K. Gvalani "Arteriovenous, fistula for chronic Haemodialysis" paper published in the Indian Practitioner in Oct. 1987.
- "Obstructive Uropathy" paper published in the Indian Practitioner in Oct. 1987.
- "Cancer chemotherapy in a General Hospital" paper published in the Indian Practitioner in August 1987.
- Dr. M. V. Lakshmy "Obstructive Uropathy" paper published in the Indian practitioner in 1987.
- Dr. D. Nehra "TPN in enterocutaneous fistula" paper published in Indian practitioner in June 1987.
- DEPARTMENT OF SURGERY** Dr. D. Nehra "Management of Post-op. fluid & Electrolyte imbalance" paper published in Indian Pract. in November 1987.
- "Necrotising fasciitis" paper published in Maharashtra ASI in February 1987.
- Dr. Saileshwar "Obstructive uropathy" paper published in Indian pract. in October 1987.
- Dr. P. P. Varty "Ruptured ectopic gestation paper published in A Surgical emergency in Indian Practitioner.
- "Paratesticular Liposa" paper presented in Indian journal of Urology case report.
- "Castomach in childhood" paper presented in Indian journal of Gastroenterology.
- Dr. R. R. Patel "Congenital Anorectal anomalies" paper published in Indian Practitioner in March 1987.
- Dr. R. R. Patel "Hydatid disease of the liver paper published in Indian Practitioner in April 1987.
- "Our experience with depressed fracture skull" paper presented in 2nd Int. Conf. on surgery in tropics in February 1987.
- Dr. S. P. Nadkarni "Common Urological diseases of children" paper published in Indian Practitioner in November 1987.
- Dr. Anantharam "TPN in Enterocutaneous fistula" paper published in Indian Practitioner in 1987.
- "Necrotising fasciitis" paper presented in ASI conference in February 1988.
- Dr. V. M. Deshmukh "Duodenal injuries 15 cases" papers for MASICON 88 & South Zone Chapter.
- "Urological Trauma" case 5 review. papers for MASICON 88 & South Zone Chapter.
- DEPARTMENT OF GYN & OBST.** Dr. A. M. Shanbhag "Le forts colpoelcisis" paper published in Journal of Obst. & Gynec of India, in June 1987.
- Dr. A. M. Shanbhag
Dr. V. R. Ambiye "A technique of vaginal reconstruction" paper published in Journal of Obst. & Gynec of India.
- DEPARTMENT OF GYN & OBST** Dr. P. R. Valdya
Dr. P. K. Shah
Dr. Sudha N. Tandon "Secondary abdominal Pregnancy" paper published in Journal of Obst. & Gynec of India.

- Dr. S. N. Tandon "Systemic Lupus Erythematosus (SLE) with pregnancy paper published in Journal of Obst. & Gynec. of India.
- Dr. V. R. Ambiya "Hypertensive disorders in Pregnancy paper published in Indian Practitioner, Special issue on Pregnancy Disorders, September 1987.
- Dr. V. R. Ambiya "Cytomorphological changes following use of cu.t. & Loop-paper published in Journal Obst. & Gynec of India.
- Dr. V. R. Ambiya "Serial Cytology in Mid trimester Abortion" paper published in Journal Obstet. & Gynaec of India.
- DEPARTMENT OF PAEDIATRIC** Dr. V. B. Athavale "Editor of Pediatric Clinics of India" published quarterly.
- "Published a book Your Baby,
- "Director of the National Workshop on Recent Advances in Neonatology, published in February 1987.
- Dr. M. N. Mehta "Dos & Don'ts of Nutrition in Children" paper published in the Indian Practitioner.
- "Oral Rehydration Therapy" paper published in the Indian Practitioner in November 1987.
- "C. S. F. & Serum LDH levels in tuberculous & pyogenic meningitis" paper published in Indian Pediatric.
- "Respiratory Intensive Care in Pediatrics" paper published in Respiratory Disorders in Children October 1987.
- Dr. A. Fernandez "Feeding of the Preterm Baby paper published in the Indian Practitioner.
- Dr. J. Rangnekar
Dr. S. Ramnathan
Dr. J. Rangnekar
Dr. S. Ramanathan
Dr. A. Fernandez "Fluid & Electrolyte Therapy in Paediatrics" paper published in Indian Practitioner in November 1987.
- Dr. S. Ramanathan
Dr. A. Fernandez "Update in Bilirubin Metabolism" paper published in Pediatric Clinic of India.
- DEPARTMENT OF PAEDIATRICS** Dr. Madhuri Kulkarni "Early diagnosis of cerebral palsy" paper presented at National Workshop on Recent Advances in Neonatology.
- Dr. Madhuri Kulkarni
Dr. Alka Shah
Dr. K. Koranne "Iso-immune Hemolytic Jaundice in Newborn" paper presented in Pediatric Clinics of India.
- "Effect of Perirenal motivation on Breast Feeding in educated mother paper published in IAP in October 1987.
- Dr. S. Ramnathan "Update in Bilirubin Metabolism," paper published in paediatric Clinics of India, April 1987.
- "Feeding the Preterm Baby" paper published in Indian Practitioner in June 1987.
- "Fluid and Electrolyte Therapy in Paediatrics" paper published in Indian Practitioner, in November 1987.

Dr. J. Rangnekar

"Drugs and Neonatal Jaundice paper published in Pediatric Clinics of India.

"Feeding the preterm baby" Paper published in the Indian practitioner in June 1987.

"Food Allergy" paper published in the Indian Practitioner in July 1987.

"Fluid & Electrolyte Therapy in Pediatrics" paper published in the Indian Practitioner in November 1987.

Dr. K. Raghavan

"12,14 Translocation in a case of Coffin — Siris Syndrome" paper published in Indian Pediatrics in June 1987.

"TDI in children" paper presented in National Conference of India Academy of Pediatrics in October 1987.

**DEPARTMENT OF
CARDIOLOGY**

Dr. M. J. Gandhi
Dr. V. K. Shah
Dr. D. F. Daruwala
Dr. R. D. Karnik
Dr. D. K. Kumbha
Dr. V. M. Vijan

"Coronary artery recanalisation and left ventricular function studies after urokinase therapy in acute myocardial infarction" paper published in 9th Asian Pacific congress of Cardiology.

**DEPARTMENT OF
CARDIOLOGY**

Dr. M. J. Gandhi
Dr. V. K. Shah
Dr. M. N. Parikh
Dr. D. F. Daruwala

"Prognostic value of pre-discharge low level treadmill exercise after acute myocardial infarction" paper published in 9th Asian Pacific congress of Cardiology held in February 1987.

Dr. M. J. Gandhi
Dr. V. K. Shah
Dr. M. N. Parikh
Dr. D. F. Daruwala

"Right ventricular angiography and right coronary artery lesion in right ventricular infarction" paper published in 9th Asian Pacific Congress of Cardiology.

Dr. D. F. Daruwala
Dr. J. A. Parikh
Dr. V. K. Shah

"Neonatal Cyanosis" paper published in the Indian Practitioner in March 1987.

Dr. A. H. Punjabi
Dr. J. H. Desai
Dr. D. F. Daruwala
Dr. J. A. Parikh

"Fetal Echocardiography" paper published in the Indian Practitioner.

Dr. D. F. Daruwala
Dr. J. H. Desai
Dr. U. R. Popat
Dr. A. H. Punjabi

"Sudden infant death syndrome" paper published in the Indian Practitioner.

Dr. D. B. Pahajani
Dr. D. F. Daruwala
Dr. V. K. Shah

"Rate dependent aberrancy" paper published the Indian Heart Journal in February 1987.

Dr. J. A. Parikh
Dr. D. K. Kumbha
Dr. V. K. Shah
Dr. D. E. Pahajani
Dr. A. B. Mehta
Dr. M. J. Gandhi

"Prognostic value of Pre-discharge low level exercise test after acute uncomplicated myocardial infarction" paper published in the Indian Heart Journal 1987.

Dr. M. J. Gandhi
Dr. V. K. Shah
Dr. B. L. Agarwal

"Chronic rheumatic heart disease" paper published in a text book in August 1987.

Dr. J. A. Parikh
Dr. V. K. Shah
Dr. D. F. Daruwala

"Pregnancy in a woman with cardiovascular disease" paper published in the Indian Practitioner in September 1987.

DEPARTMENT OF
CARDIOLOGY

Dr. V. K. Shah
Dr. J. A. Parikh

"Magnetic resonance imaging in cardiac disease" paper published in Indian Practitioner in January 1987.

Dr. A. D. Abhyankar
Dr. J. A. Parikh

"Electrolytes and the heart" paper published in the Indian Practitioner.

Dr. R. P. Nair
Dr. J. A. Parikh
Dr. V. K. Shah

"Amiodarone" paper published in the Journal of General Practice.

Dr. J. A. Parikh
Dr. M. J. Gandhi

"Tachycardia-bradycardia syndrome" Vignette in Cardiac Care paper published in JAPI in October 1987.

Dr. D. F. Daruwala
Dr. R. D. Karnik
Dr. M. J. Gandhi

"Update Article" paper published in Coronary artery by pass surgery in JAPI.

Dr. V. K. Shah
Dr. D. F. Daruwala
Dr. R. D. Kannik
Dr. M. J. Gandhi

"Double chambered right ventricle with pulmonary valve endocarditis" paper published in Clin. Cardiology.

Dr. J. A. Parikh
Dr. A. D. Abhyankar

"Rational therapy of angina pectoris" paper published in the Indian Practitioner in 1987.

Dr. M. J. Gandhi
Dr. V. K. Shah
Dr. Parikh M. N.
Dr. D. F. Daruwala

"Right ventricular angiography & right coronary artery lesion in right ventricular infarction" paper presented in 9th Asian Pacific Congress of Cardiology in February 1987, at Auckland, New Zealand.

Dr. M. J. Gandhi
Dr. V. K. Shah
Dr. D. F. Daruwala
Dr. R. D. Karnik
Dr. D. K. Kumbha
Dr. V. M. Vijar

"Coronary artery recanalisation left ventricular function studies after urokinase therapy in acute myocardial infarction" paper presented in API conference held at Madurai in January 1987.

Dr. J. A. Parikh
Dr. V. K. Shah
Dr. D. F. Daruwala
Dr. U. R. Popat
Dr. D. B. Pahalajani
Dr. A. B. Mehta
Dr. M. J. Gandhi

"Results of short term therapy with amiodarone in cases of Resistant arrhythmia" paper presented in API conference held at Madurai in January 1987.

Dr. M. J. Gandhi
Dr. J. A. Parikh

"Prognostic value of pre-discharge low level stress test in uncomplicated survivors of AMI" paper presented in 9th Asian Pacific congress of Cardiology in Feb. 1987 at Auckland, New Zealand.

Dr. H. R. Jarajani
Dr. R. G. Valia

"Chemical Leucoderma following plastic footwear" paper presented in a National Conference of IADVL at Pune in January 1987 at Pune.

"Immunofluorescence in Skin Diseases" paper published in Vol. No. 2 in the practitioner in February 1987.

"Insect Bite Allergy" paper published in the Indian Practitioner on July 1987.

- Dr. K. H. Makhijani "Clinico Pathological Study of Primary Cutaneous Anyloidosis" paper published in the 15th National Conference of IADVL at Pune & won the 1st prize & Prof. B. N. Banerjee Medal.
- "Atrophic Rhinitis in a case of Anhidrotic-Ectodermal Dysplasia" paper published in Indian Journal of Otolaryngology.
- DEPARTMENT OF PHYSIOLOGY**
- Dr. R. K. Murthy
Dr. Balasubramaniam P. "Hyperglycemia & reduction in glycogen content of atria and liver in dogs with acute myocarditis produced by Scorpion" paper published in Journal of association of physician of India (Japi).
- Dr. R. K. Murthy "Acute pancreatitis & reduction of Hion concentrations in experimental acute myocarditis produced by Indian red scorpion (Buthus tamulus) vohom paper published in the Communicated to Indian journal of Experimental Biology.
- Dr. R. K. Murthy "Imsulin + alpha blocker + sodium bicarbonate administration reverses the metabolic and electro-cardio graphic changes induced by Indian red scorpion (Buthus tamulus venom in experimental animals).paper"published in communicated to Indian journal of medical research.
- Dr. R. K. Murthy "Insulin administration reverses the metabolic and electrocardiographic changes induced by Scor pion (Buthus tamulus) venom in dogs" paper published in communicated to Indian journal of Medical research.
- DEPARTMENT OF PHYSIO THERAPY**
- Varsha Kanvinde "Comparative studies of exercise tolerance and Hemodyame Responses of Diabetis and normals to Treadmill Ext. Testing" paper published in the journal of Indian Association of physiotherapists.
- Suvarna Tillu "Comparative study of Valsalva Ratro & Post Valsalva hemodyname changes between diabetics & normals.
- Neeta Doshi "Effect of smoking on exercise performance" paper published in the journal of India Association of physiotherapists.
- Jaimala Gandhi "Detection of Antonomic Neuropathy in chronic Alcoholics" paper published in Journal of India Association of physiotherapists.
- DEPARTMENT OF OCC. THERAPY**
- Mr. S. Bhat
Smt. N. V. Pansu "Side effects of early fitting of Pylon on traumatic below amputees without any associated injuries." paper presented at the Annual Conference of AIOTA at Jaipur.
- Smt. Jyoti P. Gwalarii
Mr. S. T. Bhat "Use of E. M. G. Biofeedback in Psychogenic headaches" paper presented at the Annual Conference of AIOTA at Jaipur.
- Mr. S. T. Bhat
Mr. Ramnath S. "Biofeedback Therapy in Temporo mandibular joint pain dysfunction syndrome" paper presented at the Annual Conference of AIOTA at Jaipur.
- Mr. M. Daniel "Quality-illusion or reality" paper presented at the Annual conference of AIOTA at Jaipur.

DEPARTMENT OF
PHARMACOLOGY Dr. H. L. Dhar

"Evaluation of antistress activity of *Withania Somnifera*" paper published in Indian J. of Clin. Biochemistry in 1987.

"Antiulcer effect of different antidepressants" paper published in the Indian J. of Pharmacology.
"Effect of Nifedipine on broncho motor tone in asthma," paper published in the clinician.

"Relative bioactivity of histamine and slow reacting substance of anaphylaxis released during anaphylactic reaction from different tissues of guinea pigs and rats" paper published in Indian Journal physiology Pharmac.

"Drugs and Appetite" paper published in the Indian Practitioner.

"Cephalosporins-Antibiotics of Future" paper published in the Journal of General Practice.

"Antibiotic combinations" paper published in the Indian Practitioner.

"Patient compliance and drug therapy," paper published in Indian Practitioner.

"Newer Penicilins and treatment of resistant staphylococcal infections" paper published in Indian Practitioner.

"Human Teratogenicity" paper published in the Indian Practitioner. Vol. XL No: 8 in August 1987.

DEPARTMENT OF
PHARMACOLOGY Dr. H. L. Dhar

"Alteration of drug metabolism by industrial chemicals," paper published in the Indian Practitioner, in May 1987.

"Alteration of drug metabolism by industrial chemicals," paper published in the Indian Practitioner, in September 1987.

"Use of stable isotopes as a diagnostic tool in clinical pharmacology" paper published in the Indian Practitioner, in February 1987.

"Adverse effects of maternal drugs administration in perinatal period," paper published in the Indian practitioner, in March 1987.

"Nutrition in elderly" paper published in the Indian Practitioner in June 1987.

"Allergic and Idiosyncratic damage to liver by drugs" paper published in July 1987.

"Aging and the kidney" paper published in the Indian practitioner, Vol. 41, in October 1987.

"Blood brain barrier, Part I" paper published in M.D. Newsletter, Vol. 2, May-June 1987.

DEPARTMENT OF
MICROBIOLOGY Dr. Lina Deodhar
Dr. Alka Gogate
Dr. Sharad Gogate

"Mycoplasmal pelvic inflammatory diseases" paper published in J. Postgrad. Med. 33 : 74-76 (1987).

Dr. Lina Deodhar
Dr. Alka Gogate
Dr. Avinash Phedke

"Ureaplasma urealyticum in male infertility" paper published in Ind. J. Dermatol. Venerol. Leprol.

- Dr. Kshma Dabke
Dr. Lina Deodhar
Dr. Alka Gogate
- Dr. Alka Gogate
Dr. Lina Deodhar
Dr. Sharad Gogate
- Dr. Alka Gogate
Dr. Lina Deodhar
Dr. Renuka Bhatt
Dr. Sharad Gogate
- Dr. Alka Gogate
- Dr. Uma Tendolkar
Dr. Lina Deodhar
- Dr. D. Pandit
Dr. V. A. Ambedkar
Dr. J. Shastri
Dr. Lina Deodhar
- Dr. L. S. Bichile
Dr. K. Saraswathi
Dr. R. N. Agarwal
Dr. S. A. Nanivadekar
Dr. L. P. Deodhar
- Dr. Alka Gogate
- Dr. K. Saraswathi
- DEPARTMENT OF
RESPIRATORY
DISEASES**
- Dr. Savita
- Dr. Chhaya Parmar
- Dr. S. P. Panjankar
- Dr. A. C. Shah
- DEPARTMENT OF
RESPIRATORY
DISEASES**
- Dr. A. C. Shah
- "Microbiological study of urethritis in males with special reference to Candida Urethritis" paper published in J. Postgrad. Med. in 1987.
- "Hydrosalping due Rodotorula glutinis" paper published in J. Postgraduate Med.
- "Placental Candidiasis" paper published in J. OB. Gy. of India 37, a report of 5 cases.
- "Microbiological Screening of Ante natal patients" paper published in the Indian Practitioner XL.
- "Immunological basis of allergy" paper published in Indian practitioner, in July, 1987.
- "Comparison between Sensitivity of fluorescent staining and Ziehl-Neelser staining for Mycobacterium tuberculosis paper published in the Indian Practitioner in February 1987.
- "Campylobacter jejuni infection in a General Hospital" paper published in the JAPI in 1987.
- "Measurement of IgG antibody to U. urealyticum by ELISA" paper presented at XI National Congress of Indian Association of Medical Microbiologists held at Rohtak during 26th-28th October 1987.
- "Immunofluorescence for M. hominis" paper published at XI National congress of Indian Association of Medical Microbiologists held at Rohtak during 26th-28th October 1987.
- "Prevalence of C. jejuni, in diarrhoea patient at First Asian Congress on Anaerobic bacteria in Health & Disease" paper presented at Seth. G. S. Medical college, Bombay during 12th-14th November 1987.
- "Acquired Immuno Deficiency Syndrome" paper presented in a first historic case report at SRS meeting, in February 1987.
- "Therapeutic role of FFB in pulmonary medicine" A study of 187 cases at 2nd national update on flexible fibreoptic bronchoscopy fibreoptic bronchoscopy "Bronchial Vision" paper presented at Madras in November.
- "A new approach in management of tetanus. Role of pavlor and artificial ventilation a study of 12 cases" paper presented at 7th National conference on Respyratory diseases at Calcutta, in December 1987.
- "COPD philosophy, practice and message at Borivli Medicobrotherhood at Borivli" paper published in February 1987.
- "Flexible fibreoptic bronchoscopy as a diagnostic and therapeutic tool" A study of 1029 cases, paper published in the journal of ass. of phy. of India.
- "A double blind study of wintry, a new bronchodilator in Asthematic bronchitis" paper published in Indian Practitioner in April 1987.
- "Allergy testing and hyposensitization in asthma, paper published in Indian Practitioner in July 1987.
- "Localised Mesothelioma of pleura" A case report paper published in Indian Practitioner in August 1987.

- DEPARTMENT OF ANATOMY** Dr. R. M. Prabhu
Dr. M. B. Indurkar
Dr. M. J. Dhakan
- DEPARTMENT OF ANAESTHESIOLOGY** Dr. Pantvaidya
- Dr. S. R. Jagtap
- Dr. K. K. Golam
- DEPARTMENT OF BIOCHEMISTRY** Dr. Inamdar K.
- Dr. J. Kudalkar
- DEPARTMENT OF PLASTIC SURGERY** Dr. R. L. Thatte
Dr. M. K. Soed
Dr. P. K. Uppal
- Dr. A. K. Gadre
Dr. D. P. Patil
Dr. U. Iyer
Dr. S. Prasad
- Dr. A. D. Dias
Dr. R. L. Thatte
Dr. U. A. Patil
Dr. L. D. Dhami
Dr. S. Prasad
- Dr. A. D. Dias
Dr. P. Chhajlani
- Dr. G. A. Patil
Dr. A. D. Dias
Dr. R. L. Thatte
- Dr. G. A. Patil
Dr. A. D. Dias
Dr. R. L. Thatte
- Dr. D. L. Patil
- Dr. D. L. Patil
- "Anatomy and Function of the Trigonum Vesicae" paper was presented at the 36th National Conference of Anatomical Society of India.
- "The sterilisation of ventilator circuit" paper published in postgraduate journal of Medicine.
- "Anaesthetic management and intensive care of polytrauma patients" three papers were published at the 2nd Annual Trauma symposium in March 1987 at Muscat, Oman.
- "Intra Operative use of byprenorphine" paper published in a seminar organized by Unichem Pharmaceuticals.
- "Continuous brachial plexus block by the inter scalene approach" paper presented in G. S. Ambardekar Society meeting.
- "Determination of urinary oxalate using immune complex of banana oxalate oxidase" presented a paper in SRS L.T.M.M.C. Meeting held on 29th June 1987.
- "Development of enzyme members strip for the determination of urinary oxalate in Society of Biological Chemists" paper presented in National Conference held at Tirupati on 28th Dec. 1987.
- "Study of glutathione-S-Transferase in human nucleolar leucocytes" paper presented in SRS LTMCM meeting held on June 1987.
- "A combination of usual abnormalities of the apparatus & nostrils in a case of bilateral cleft with choanal atresia" paper published in British Journal of plastic surgery 1987 vol. 40, 645
- "Duplication of the pinna (Polyotia) in a case of Brachmann - delange Syndrome" paper published in British Journal of plastic Surgery (1987) 101:40:642
- "The uses of the Sepa Flap in the repair of defects in the hands and fingers" paper published in British Journal of plastic Surgery 1987 Vol. 40:348
- "The post and retroauricular scalping flap" paper published in British Journal of plastic Surgery 1987 Vol. 40:360
- "The anatomical basis of the SEPA Flap" paper published in British journal of plastic surgery in 1987 Vol. 40:342
- "Nasendoscopic evaluation of the velopharyngeal sphincter in cleft palate patient" paper published in Indian Journal of Plastic Surgery.
- "Extra nasal Rhinosporidiosis" a case report in India journal of plastic surgery.
- "Cover of the defect over forearm with a large abdominal flap pieced with external fixator pins" paper published in Indian Journal of Plastic Surgery.
- "Adduction contracture of thumb in a revascularised hand" paper accepted in Indian journal of Plastic Surgery.

RESEARCH

| | | |
|--|---------------------|--|
| DEPARTMENT OF MEDICINE | Dr. P. S. Menon | Serum Zine level in diabetic patient — going on. Serum Zinc level in chronic renal failure — going on. Plasma Cortisol in Tuberculosis — going on. |
| DEPARTMENT OF SURGERY | Dr. V. V. Dewoolkar | Out come of hypertensive patient during Surgery. Nefopam phase III clinical trial. Comparative stury of T. V. aminoacids & hermin. |
| DEPARTMENT OF ANAESTHESIOLOGY | Dr. Pantvaidya | Buprenorphine in post-operative pain relief. Management of diabetic patients undergoing surgery with intravenous microinfusion of crystalline insulin. Various techniqe of pain relief after spine surgery. Study of infection with epidural catheters. Labour analgesia in preeclamptic patients. |
| DEPARTMENT OF PSYCHIATRY | Dr. D. A. D'souza | A comparative study of dothipin and Impipramine was conducted with Boots Company and the result was submitted to staff Reserch Society. |
| DEPARTMENT OF CARDIOVASCULAR AND THORACIC SURGERY | Dr. Chaukar | Haemorrhological study in peripheral vascular insufficiency the research projects is going on. Blood coagulation disorders in blue baby the research project is going on. Production of a heart valve substitute, the main research project is going on. |

HONOURS CONFIRMED & AWARDS AWARDED

| | | |
|--|-------------------|---|
| DEPARTMENT OF CARDIOLOGY | Dr. V. K. Shah | Gold medal of API conference for streptokinase therapy Coronary artery recanalisation and left ventricular function studies after urokinase therapy in acute myocardial infarction. |
| DEPARTMENT OF RESPIRATORY DISEASES | Dr. A. C. Shah | Honour of chairing the session at 2nd National Update on flexible fibreoptic bronchoscopy Bronchial Vision at Madras on 1st November 1987. |
| DEPARTMENT OF CARDIOVASCULAR & THORACIC SURGERY | Dr. A. P. Chaukar | Submitted Homograft work for Hari OM Ashram Prerit S. Rangachari award of Association of Surgeons of India. He has awarded of Rs. 10,000/- & citation. |
| DEPARTMENT OF PLASTIC SURGERY | Dr. P. Chhajalani | The Glaxo Award for best essay in Plastic Surgery was awarded. |

GUEST LECTURE

| | | |
|--------------------------------------|--|---|
| DEPARTMENT OF DERMATOLOGY | Dr. H. R. Jerajani | Participated in Lecture Programme for students of Lala Lajpatral College on Common S.T.D.'s and Sex problems in month of March 1987 and December 1987. |
| DEPARTMENT OF ANAESTHESIOLOGY | Dr. S. H. Pantvaidya | Management of Shock" lecture was given in September 1987 organized by Bombay Orthopaedic Society. Artificial Ventilation in Newborn lecture was given in the National Workshop on recent advances in Neonatology held at L.T.M.G. Hospital in February 1987. |
| DEPARTMENT OF BIOCHEMISTRY | Dr. Getha Moorthy Mrs. A. U. endulkar Dr. S. S. Pathak | A guest lecture was given on Immunological techniques in the workshop of Clinical Enzymology at CVTS, GS Med. College. Participated in the workshop on Evaluation in Medical Subjects conducted by NTTC Chandigarh held at T. N. Med. College. |

CONFERENCE ATTENDED

| | | |
|--------------------------------------|------------------|---|
| DEPARTMENT OF GYN & OBST. | Dr. P. K. Shah | 31st National congress of Gynecologis & obstetrics societies of India was attended at Jaipur in December 1987 & Comparative follow-up study of 1017 with 191 lippes loops paper was read there. |
| | Dr. P. R. Vaidya | "Changing trends in caesarean section" the conference was attended at Bombay in June 1987. |
| DEPARTMENT OF PEDIATRICS | Dr. M. N. Mehta | "Planning Research Project in Neonatology" paper was presented at L. T. M. M. College. "Bleeding in Neonate 14-2-1987 at the Neonatology workshop" paper was presented at LTMMC & University Grants Commission. "Idipathic Thrombocytopenic Purpura in Children" paper was presented at 11th Annual Conference of the Bombay Haematology Group at Bombay 21st to 27th February 1987. "Role of Neutrophil storate pool (NSP) in the management of Sepsis Neongtorm as a Co-author" paper was presented at 11th Annual Conference of the Bombay Haematology Group at Bombay 21st to 27th February 1987. "I. V. Total dose therapy in children" paper was presented at 11th Annual Conference of the Bombay Haematology Group at Bombay 21st to 27th February 1987. "Is rice based ORS superior than standard WHO ORS in the treatment of Acute Diarrhoea in Children" paper was presented at the XXth annual conference of the Nutrition Society of India 6 to 7th November 1987 at the M. S. University Baroda. "Early Diagnosis & intervention of children Disabilities" paper presented in Participated in the Maharashtra Regional Pediatric Conference in clinical Pradise on 15th November 1987 Bombay organised by the Bombay Branch of India Academy of Padiatrics. |

DEPARTMENT OF PEDIATRICS Dr. M. N. Mehta

"Assessment of Growth Charts" was spoken at "Update on growth & development organised by Nutrition Section, dept. of paediatric Institute of Medical Sciences, Banaras Hindu University, Varanasi and Unicef, in Dec. 27-29 in 1987.

"A prospective Study of Aplastic Anemia in Children" paper was presented at the VIth Congress of International Society of Haematology Asian Pacific Division (ISHAPD) 6-10th Dec. 1987 and Acted as Chairman by invitation for the session CME-III held at the Taj International Hotels in Bombay.

Dr. A. Fernandez

"VIII convention of National Neonatal Forum" attended on 18th - 20th Oct. 1987.

"Neonatal infections at Rajasthan Pediatric conference" was attended at Jaipur on 12-13th Dec.

"M. S. Programme, Indian Academy of Pediatrics XXIV the Annual conference was attended at Madras.

Dr. M. Kulkarni

"Participated in the workshops on childhood dissabilities in held at Indore in Jan. 1987.

"Recent advances in Neonatology" organised the National Workshop at L. T. M. G. Hospital, Bombay-22.

"Growth & development" participated in the seminar was attended at Varanasi in Dec. 1987.

"Helped organize the National Workshop on Recent Advances in Neonatology at L. T. M. G. Hospital, Bombay, in February 1987.

Attended C. M. E. programme in Hamatology organised by K. E. M. Hospital on 22nd 25th February 1987.

Attended Haematology Conference at Nair Hospital Bombay in February 1987.

DEPARTMENT OF PHARMACOLOGY Dr. H. L. Dhar

"Two persons from this department attended the workshop on Clinical Pharmacology under National Academy of Science held at Taj Mahal Hotel in Bombay, on 19th - 22nd November 1987.

DEPARTMENT OF PHARMACOLOGY Dr. H. L. Dhar

Attended the workshop on Evaluation in Clinical Medicine, in Dec. 1987 at Bombay.

Participated in the CME workshop on Clinical Pharmacology held on 18th November 1987.

DEPARTMENT OF MICROBIOLOGY Dr. L. P. Deodhar
Dr. Alka Gogate

XI National Congress of Indian Association of Medical Microbiologists held at Rohtak during 26th-28th October 1987 was attended.

| | |
|---|--|
| Dr. L. P. Deodhar Dr. K. Saraswathi | Attended the First Asian Congress on Anaerobic bacteria in Health & Disease held at Seth G. S. Medical College, Bombay during November 12th-14th in 1987. |
| Dr. Alka Gogate | Attended special training course in a Mycoplasma-mology during 20th April to 2nd May, 1987 Alabama, U. S. A. Studies on Chlamydia during 1st to 3rd June 1987 University of Liverpool U. K. was attended. |
| Dr. Uma Tendolkar | Attended and participated in First Asian Workshop & Congress on Anaerobic bacteria in Health & disease held at Seth G. S. Medical College, during November 10th-14th 1987 in Bombay. |
| DEPARTMENT OF RESPIRATORY DISEASES | Dr. A. C. Shah Attended a seminar and a discussion on Allergy and hyposensitization organised by H. M. N. at Bombay on July 1987. |
| Dr. S. P. Pajankar | Attended recent advances in respiratory medicine in J. J. Hospital, in August 1987. |
| Dr. A. C. Shah Dr. Chhaya Parmar | Attended the 2nd National update on flexible fibre-optic bronchoscopy Bronchical Vision at Madras in November 1987. |
| Dr. S. P. Panjankar | Attended 7th National congress on Respiratory Diseases at Calcutta, in December 1987. |
| Dr. A. C. Shah | Attended a scientific meeting on Asthma and bronchitis organised by API Bombay branch at Bombay, in Dec. 1987. |
| DEPARTMENT OF ANAESTHETIC SIOLOGY | Dr. P. P. Kadam Dr. S. H. Pantvaidya Attended the 36th Annual Conference of Indian Society of Anaesthetists held at Calcutta in Dec. 1987. & presented papers on their work. |
| DEPARTMENT OF BIOCHEMISTRY | Mr. M. M. Radhyakha He has participated in 1987 at International Holistic health conference held at Mt. Abu in Feb. 1987. |
| Mrs. A. U. Tendulkar Dr. S. S. Pathak | Participated in the workshop on "Evaluation in Medical Subjects" conducted by NTTC Chandigarh held at T. N. Med. College. |
| Dr. Haldankar | Attended & participated in the workshop on Need-based orientation in bioscience education. |
| DEPARTMENT OF CARDIOVA- SCULAR & THORACIC SURGERY. | Dr. Hemantkumar Dr. Chandrasekhar Attended the Annual conference of Association of Thoracic & Cardio-Vascular Surgeon's of India & Cardiological Society of India. |

APPENDIX III
STATEMENT SHOWING BEDS ACCORDING TO
DEPARTMENTWISE & SEXWISE

| DEPARTMENT | MALE | FEMALE | CHILDREN | UNCLASSIFIED | TOTAL |
|-----------------------------------|------------|------------|------------|--------------|--------------|
| (A) NON PAYING BEDS | | | | | |
| Teaching Beds. | | | | | |
| MEDICINE | 126 | 36 | — | — | 162 |
| SURGICAL | 120 | 36 | — | — | 156 |
| ORTHOPAEDICS | 36 | 24 | 12 | — | 72 |
| GYNAC | — | 36 | — | — | 36 |
| OBSTATRICS & PPM | — | 120 | — | — | 120 |
| ENT — AURAL | 14 | 6 | 10 | — | 30 |
| OPHTHALMIC | 18 | 14 | 8 | — | 40 |
| DERMATOLOGY & V. D. | 12 | 8 | 6 | — | 26 |
| PAEDIATRICS INCLUDING | | | | | |
| I.P.C.U. & R. C. | — | — | 115 | — | 115 |
| PAEDIATRIC SURGERY | — | — | 24 | — | 24 |
| PSYCHIATRIC | 12 | 8 | 6 | — | 26 |
| CARDIOLOGY & ICCU | 14 | 6 | — | 10 | 30 |
| UROLOGY | 20 | 2 | 3 | — | 25 |
| NEURO SURGERY | 10 | 4 | 2 | — | 16 |
| PLASTIC SURGERY | 20 | 3 | 2 | — | 25 |
| EMERGENCY WARD | — | — | — | 10 | 10 |
| A. K. D. | — | — | — | 6 | 6 |
| BURNS | — | — | — | 16 | 16 |
| TETANUS | — | — | — | 16 | 16 |
| C.V.T.S. | 8 | 6 | 1 | 4 | 19 |
| TOTAL : | 410 | 309 | 189 | 62 | 970 |
| (B) PAYING BEDS | | | | | |
| NON TEACHING BEDS | | | | | |
| MEDICAL & ALLIED | 17 | 9 | — | — | 26 |
| SURGICAL & ALLIED | 17 | 10 | — | — | 27 |
| GYNACE & OBSTETRICS | — | 15 | — | — | 15 |
| TOTAL : | 34 | 34 | — | — | 68 |
| (C) BEDS RESERVED FOR BEST | | | | | |
| UNDERTAKING STAFF | | | | | |
| MEDICAL | 5 | — | — | — | 5 |
| SURGICAL | 5 | — | — | — | 5 |
| TOTAL : | 10 | — | — | — | 10 |
| GRAND TOTAL : | 454 | 343 | 189 | 62 | 1,048 |

APPENDIX NO. IV

(A) Departmentwise distribution of admissions and Out-Patients treated during the year 1986 & 1987

| Sr. No. | Name of the department | In-Patients | | Out-Patients | |
|---------|------------------------------------|-------------|----------|--------------|--------|
| | | 1986 | 1987 | 1986 | 1987 |
| 1 | Medical | 11395 | 48346 | 47916 | 11860 |
| 2 | Surgical | 8359 | 50004 | 36231 | 9725 |
| 3 | Ophthalmic | 1059 | 7878 | 8147 | 982 |
| 4 | Gynaec | 1452 | 7669 | 6759 | 1502 |
| 5 | Dental | NIL | 8377 | 8193 | NIL |
| 6 | Skin & V. D. | 159 | 9237 | 9871 | 203 |
| 7 | E. N. T. | 1716 | 10657 | 10417 | 1709 |
| 8 | Orthopaedics | 3017 | 19876 | 17492 | 2845 |
| 9 | Psychiatrics | 716 | 2261 | 2190 | 749 |
| 10 | Neuro Surgery | 492 | 718 | 632 | 360 |
| 11 | Pediatric Medical | 7120 | 25190 | 18688 | 7599 |
| 12 | Obstetrics | 9500 | 8581 | 11215 | 8589 |
| 13 | Plastic Surgery | 495 | 568 | 413 | 620 |
| 14 | Cardiology | 1605 | 579 | 511 | 1489 |
| 15 | Cardio Vascular thoracic Surgery | 209 | 271 | 227 | 271 |
| 16 | Urology | 455 | 720 | 361 | 494 |
| 17 | Gastro Intestinal | — | 199 | — | NIL |
| 18 | Haematology | — | — | — | — |
| 19 | Chest Clinic | — | 64 | — | NIL |
| 20 | D. U. H. C. Medical | — | 8185 | 7815 | — |
| 21 | D. U. H. C. Pae. Medical | — | 10827 | 10795 | — |
| 22 | Remained on the last of pre. year. | 956 | — | — | — |
| TOTAL : | | 50,191 | 2,20,207 | 2,11,359 | 50,290 |

(B) Results of Treatment

| Hospital | Expired | Cured | Releved | Otherwise | Delived |
|--|---------|-------|---------|-----------|---------|
| L. T. M. G. Hospital & Annapurnabai Deshmukh Hospital for women. | 3784 | 4638 | 23779 | 13076 | 6186 |

(C) Classification of deaths according to their time of admissions.

| Within 24 hours of admissions | After 24 hours of admissions but within | After 3 days of admissions | Total Deaths |
|-------------------------------|---|----------------------------|--------------|
| 1,179 | 716 | 1,889 | 3,784 |

APPENDIX No. V
DONATION ABOVE Rs. 500/-

| Sr. No. | Receipt No. & Date | Name of the party | Amount | Donated to |
|----------------|--------------------|----------------------------|----------------|-------------------|
| 1. | 22467/23-1-1987 | Ramji Moorji Chheda Trust. | 1500/- | P. B. F. |
| 2. | 22488/26-1-1988 | M. P. Poncha | 1600/- | —do— |
| 3. | 23958/4-2-1987 | M. G. Mehta | 500/- | For deaf school |
| 4. | 25004/10-2-1987 | Dr. K. T. Mistry | 501/- | PBF/O.T.patients. |
| 5. | 25027/11-2-1987 | T. T. Sing | 500/- | Handicap camp. |
| 6. | 27302/27-2-1987 | Sir Dorabji Tata Trust | 2500/- | Handicap camp |
| 7. | 28696/28-3-1987 | S. K. Rao | 1000/- | P. B. F. |
| 8. | 28700/31-3-1987 | M. C. Chandan | 1001/- | —do— |
| 9. | 35568/9-6-1987 | Papati | 500/- | —do— |
| 10. | 35569/9-6-1987 | M. S. Joshi | 1000/- | —do— |
| 11. | 36724/15-6-1987 | Papati | 500/- | —do— |
| 12. | 36732/16-6-1987 | C.M. Doshi Trust | 2370/- | —do— |
| 13. | 396111/8-7-1987 | Parents of Deaf | 500/- | —do— |
| 14. | 4786/31-8-1987 | L. H. Tejuja | 2175/- | E. P. B. F. |
| 15. | 7170/16-9-1987 | Sohrab & Cormi Trust | 1030/- | —do— |
| 16. | 10501/8-10-1987 | Lions Club | 1000/- | Deaf school |
| 17. | 10502/8-10-1987 | Goodlas Nerolac Paint | 1000/- | —do— |
| 18. | 13043/3-11-1987 | Parents of Deaf | 500/- | —do— |
| 19. | 14244/13-11-1987 | Parents of Deaf | 1909/- | —do— |
| TOTAL : | | | 21586/- | |

APPENDIX No. VI
EXPENDITURE PER IN-PATIENT-AND PER OUT-PATIENT PER DAY

| YEAR | DIET | MEDICINE DRUGS AND EQUIPMENTS | STORES & LINEN | MISCELLA- NEOUS | REPAIRS TO BUILDINGS | ESTABLISH- MENT | TOTAL |
|---------------------|---------|-------------------------------------|-------------------|--------------------|-------------------------|--------------------|---------|
| | RS. NP. | RS. NP. | RS. NP. | RS. NP. | RS. NP. | RS. NP. | RS. NP. |
| IN-PATIENT | | | | | | | |
| 1986-87 | 5.75 | 16.37 | 5.64 | 7.90 | 7.06 | 95.18 | 137.90 |
| 1987-88 | 5.72 | 24.07 | 7.52 | 13.32 | 8.54 | 115.05 | 174.22 |
| OUT-PATIENTS | | | | | | | |
| 1986-87 | — | 2.90 | 0.99 | 1.40 | 1.25 | 16.83 | 23.37 |
| 1987-88 | — | 4.24 | 1.14 | 2.34 | 2.71 | 20.28 | 30.71 |

APPENDIX No. VII
Performance Targets and Achievements for the year 1987.

| Sr. No. | Activity Name | Out-patients | In-patients | Out-patients | In-patients |
|---------|--|--------------|-------------|--------------|-------------|
| 1) | Medicine | 58344 | 11848 | 52043 | 11794 |
| 2) | Surgical | 51660 | 11398 | 50371 | 11382 |
| 3) | Obst. Gyn.. | 18222 | 11544 | 16315 | 10539 |
| 4) | Paediatrics | 34286 | 7594 | 33428 | 7608 |
| 5) | Casualty | 23800 | — | 22358 | — |
| 6) | Orthopaedics | 19720 | 3084 | 19875 | 2845 |
| 7) | E. N. T. | 10908 | 1722 | 10661 | 1562 |
| 8) | ophthalmology | 7680 | 902 | 7415 | 982 |
| 9) | Skin & V. D. | 9492 | 105 | 10173 | 203 |
| 10) | Psychiatrics | 2326 | 752 | 2528 | 749 |
| 11) | O. T. & P. T. | 93904 | 293492 | 92566 | 266133 |
| 12) | Dental | 16560 | — | 15560 | — |
| 13) | Dispansary | 252820 | — | 283202 | — |
| 14) | Social Service | 23224 | — | 27436 | — |
| 15) | Paying Ward (No. of patients) | — | 1598 | — | 1422 |
| 16) | Blood Bank | — | — | — | — |
| | i) No. of collection of blood bottles | — | 9368 | — | 8533 |
| | ii) No. of blood bottles issued | — | 7713 | — | 7171 |
| 17) | Radiology (No. of X-Ray Plates) | — | 132530 | — | 165965 |
| 18) | Pharmacy | — | — | — | — |
| | i) Infusion of bottles | — | — | — | — |
| | ii) Vails | — | — | — | — |
| 19) | EW/Accidental Services | — | — | — | — |
| | i) Patients Admitted | — | 2452 | — | 2220 |
| | ii) Calls received | — | 66 | — | 42 |
| 20) | Lab Services (No. of investigations) | — | 428948 | — | 446499 |
| 21) | Anaesthesiology (No. of patients) | — | 22496 | — | 26103 |
| 22) | Operation Theatre (No. of operations performed). | 38870 | 26884 | 33587 | 24961 |
| 23) | Cardiology | 394 | 1598 | 574 | 1479 |
| 24) | Municipal Staff (No. of Mun. Staff given Med. & drugs) | — | — | — | 26766 |
| 25) | Nursing School (No. of students nurses given training). | — | — | — | 265 |

Revenue collected in form of fees for the period from 1-1-87 to 31-12-87 is Rs. 8,11,185.00.

THE NAIR HOSPITAL DENTAL COLLEGE, BOMBAY — 8.

HIGH LIGHTS.

Dr. D. R. Shahani, held the post of Dean, Prof & Head Deptt. of Consorrtaire Deatistry during the year i.e. from 1-4-1987 to 31-3-1988. There was no occasion on which the provisions of the Bombay Municipal Servants' Act 1890 had to be brought into force during the year under report.

Dr. D. R. Shahani was awarded "Dr. B. C. Roy National Award" by Govt. of India. He was awarded & honoured on Republic Day by the University of B'bay for rendering his services in Community Dentistry. Dr. Shahani, Dr. N. Parekh & Dr. B. C. Shroff were invited to chair the Scientific Session at the International Asian Pacific Conference and this brought great honour to the institution Dr. B. C. Shroff was awarded a Prize for Best Scientific Paper at A. P. D. C.

The University of B'bay under the auspicious of Asseaciation of Indian Universities & Joint Sponership of Ministry of Human Resources Govt. of India, honoured Dean Dr. Shahani & some members of the staff & students of this Institution for rendering services during West Zone Inter University Youth Festival where the participants were from many foreign countries as well as from India.

The students were awarded University prizes & awards, the details of which are attached herewith (Appendix-L).

A mobile dental van for rendering dental treatment to the dental patients introduced in the year 1982-83 continued its work during the year under report. The treatment was rendered in those areas of slums, hutment colonies etc. in Greater Bombay, where treatment facilities are not available to the citizens.

PATIENTS TREATED :

1,85,885 patients were treated in different departments of this Institution and the daily average was 574 patients. Total income and expenditure of this Institutions during the year under report was Rs. 8,93,403.64 and Rs. 83,31,843.75 respectively as against the income of Rs. 8,46,845.15 and expenditure Rs. 77,63,008.21 last year.

STUDENTS SECTION :

UNIVERSITY EXAMINATION RESULTS.

| Examination | Total No. of students appeared. | | Total No. of students period. | |
|----------------------|------------------------------------|--------------|----------------------------------|--------------|
| | April 1987 | October 1987 | April 1987 | October 1987 |
| I. B. D. S. | 50 | 14 | 46 | 13 |
| II B. D. S. | 58 | 10 | 54 | 09 |
| III B. D. S. | 46 | 30 | 35 | 21 |
| IV B. D. S. 1st Sem. | 13 | 40 | 12 | 38 |
| IV B. D. S. 2nd Sem. | 54 | 11 | 54 | 10 |
| Total | 221 | 105 | 201 | 91 |
| I. M. D. S. | 15 | — | 15 | — |
| II M. D. S. | 15 | 02 | 13 | 02 |
| Total | 30 | 02 | 28 | 02 |

The College conducts four years course in Dentistry leading to the Degree of Bachelor of Dental Surgery and also post-graduate course in 8 Dental specialities leading to the Degree of Master of Dental Surgery of the University of Bombay. Details of the examinations held & results declared during the year under reference are as above.

A National Workshop in the recent advances in the Oral Dignosis was organised on 20th - 22nd Nov. 87. Dept. of Orthodontia celebrated their Golden Jubilee on 25th to 27th Dec. 87. The college was well represented during International Asian Pacific Conference held in New Delhi & many of our students & teaching staff won the prizes for reading the papers. Dean, Dr. Shahani was invited to chair 2 scientific sessions.

The following lectures were delivered by foreing dignitorles.

VISITORS :-

| Sr. No. | Name of the Visitor & Bio-date | Date | Subject on which Lecture delivered |
|---------|---|------------|---|
| 1. | Dr. Allan G. Farman, Professor & Director of Diagnostic Science, | Sept. 1987 | 1) Problems solving Panoramic Radiology for M. D. S. part I & II. |
| 2. | School of Dentistry, University of Louisville, Kentucky. USA. | | 2) Oral Cancer for M.D.S. Part I Detectology. 3) Vericulo Bullous resions for III. B. D. S. Students. |
| 3. | Dr. Antony R. Volpe D. D. S. M. A., M.S. Prof. & Pharmacology Fairleigh Dickson University, School, School of Dentistry, New Jersey & worldwide Director Dental care & Dental Clinical Reserch, Colgate — Palmolive U. S. A. Surinder Singh School of Dentistry, U. S. A. (D. D. S., M. D. 9. | 18-11-87 | Recent advances in chemotherapeutic treatment of Oral Diseases—Clinical Dental Research in review of borme concept. |
| 4. | Dr. Chris Squire, Prof of Oral Pathology & Dental Reserch, University of IOWA U. S. A. | 30-11-87 | Health hazards of smokells Tabacco. |
| 5. | Dr. Indru C. Punwani, D.D.S. M.D.S. Chairman Prof. & Head of Dept. of Pediatric Dentistry, University of Illinois U. S. A. | 22-12-87 | Current concerns & issues in Dental Education & Practise in U. S. A. |
| 6. | Dr. Walia Harmmat B. D. S., M.S. (USA) Asst., Prof., Dept. of Endodontics, Marquette University Milwaukee Wisconsin U. S. A. | 29-12-87 | Current trends in Endodontics. |
| 7. | Dr. Mohan Thomas from the Director of Maxillo Facial/ T.M.J. Service Hospital for joint Diseases Orthopaedic Institution New York. | 10-2-88 | Facial Aesthetics & Orthoganathic Surgery. |

Dr. Heikki Tuutti, Peter Gulden, Dr. Eino Honkaia & Dr. Risto Tuominen had also visited the college during the year.

Hostel :

28 boys and 31 girls took advantage of the Nair Hospital Dental College Hostel which is at Haji Ali.

Library :

During the year 345 books were added to the collection. There are 8037 books in the Library. Currently, the Library Subscribes to 66 perodicals, titles in addition to the complimentary periodicals and some college magazines. The Library holds 269 dissertations. There are 1911 bound volumes of the Journal.

Special Equipment :

As regards Special Equipments, the college has 155 Dental units, some of them fitted with modern gadgets like Mini Air Turbuine units, kavo W. Germany make 32 Nos. alongwith 18 Durr W. Germany make Air Compressors. 167 Dental Chairs, 2 Bench Type dental engines, Jugeodent and Austrian make for Pre-Clinical Laboratories, up-to date Operation Theatre with latest dental drilling engines and Boyle Apparatus Mk III with circle Absorber etc. 3 Nos. Dentsply Cavitron Ultrasonic Scaler, U. S. A. make, 1 No. of CS-76 crosurgical System unit. There are 7 dental X-ray units viz., Super practix X-ray unit Siemens Dignostics X-ray units viz. Super Practix X-ray Unit Siemens Heliodont-60, Simens Heliodont-70, Siemens status X-ray unit and Orthoceph-10 X-ray unit W. Germany make has been added to facilitate panoramic radiography.

Recently, Jelrus Porcelain Furnace with Vucast Induction Casting Machine with relevant accessories was added to produce porcelain with bonded metal restoration.

All the Clinical depts of the college have been renovated Additions & alterations have been carried out. All the old equipments have been painted & put into function. New equipments have been purchased by replacing old ones wherever necessary. Certain depts have been expended to meet the patients care. No. of beds in the indoor ward have been increased to 24 (male 13, Female 8 & recovery 3). During the year total 4094 Patients (2027 male + 1508 Female + 559 children = 4094) were admitted to the ward for treatment during the year 1987-88.

The staff engaged for different services in this college are 1) Dental 2) Para-dental—58 3) Medical—26 4) Non-Medical—213.

Resume of work done in the College.

The total number of dental out patients treated in different clinics was 1,85,885 including School children from the various Municipal Schools in the morning as well as in the evening clinics which includes 84,351 Males, 59,282 Females and 42,252 children in addition to the above patients, 6,770 patients were treated by the staff attached to the community mobile dental Service. The details of work carried out in different department are given in the appendices 'A' to 'L' attached herewith.

During the year, 177 dental camps were arranged by the Institution in different parts of Greater Bombay.

Sd/-
Dr. D. R. Shahani
Dean,
Nair Hospital Dental College.

APPENDIX 'A'

Summary of yearly Report of the Clinical work from 1-4-1987 to 31-3-1988.

| Sr. No. | Description: | Total |
|---------|---------------------------------------|--------------|
| 1. | New Patients. | 81,294 |
| 2. | Old Patients. | 1,04,591 |
| 3. | Total Patients. | 1,85,885 |
| 4. | Male. | 84,351 |
| 5. | Female. | 59,282 |
| 6. | Children. | 42,252 |
| 7. | Silver filling. | 11,229 |
| 8. | Root canal filling. | 1,170 |
| 9. | Gold Inlays. | 91 Operating |
| 10. | Fixed Bridge. | — |
| 11. | Jacket Crown. | 607 |
| 12. | Scaling. | 16,141 |
| 13. | Gingivectomy & Gingiveplasty. | 181 |
| 14. | Extractions. | 38,869 |
| 15. | 3rd Molar Impaction. | 346 |
| 16. | Surgical treatment for | |
| | a) Cyst. | 37 |
| | b) Fracture of Jaw. | — |
| | c) Cold well luc. | 5 |
| | d) Hemimandibulectomy & Osteotomy. | 4 |
| | e) Cleft Palate. | 2 |
| | f) Cleft lip. | 2 |
| | g) Condylectomy— | 7 |
| | h) Tumours. | 8 |
| | i) Maxilectomy. | 2 |
| | j) Plastic Reconstructive surgery. | — |
| 17. | Transplantation of the teeth. | — |
| 18. | Replantation of the teeth. | — |
| 19. | X-ray | 17,701 |
| 20. | Fixed Appliances for Ortho treatment. | 177 |
| 21. | Removal Appliances Ortho treatment. | 144 |
| 22. | Full Dentures. | 858 |
| 23. | Partial Dentures. | 1,023 |
| 24. | Operations under G. A. cases. | 242 |
| 25. | Operations under L. A. cases. | 393 |
| 26. | Extra Oral films. | 2,748 |
| 27. | Intra Oral films. | 12,859 |
| 28. | Occlusal films. | 133 |
| 29. | Panagraph films. | 1,830 |
| 30. | Child films. | — |
| 31. | O. P. G. | 131 |
| 32. | Total Collection. | 5,84,340.50 |
| 33. | Free cases. | 425 |

| Sr. No. | Description: | Total |
|---------|---------------------------------|--------|
| | X-Ray film A/c. | |
| 1. | Intra Oral Films. | 12,859 |
| 2. | Extra Oral Films (6 1/2" x 8"). | 2,636 |
| 3. | Extra Oral Films (8" x 10"). | 112 |
| 4. | Panographs. | 1,830 |
| 5. | Occlusal Films. | 133 |
| 6. | O. P. G. | 131 |
| 7. | No. of Patients. | 13,012 |

APPENDIX 'B'.

(A) DEPARTMENT OF ORAL SURGERY

Clinical yearly report for the period from 1-4-1987 to 31-3-1988.

| Sr. No. | Particulars. | Total |
|---------|-------------------------------------|-----------|
| 1. | New Patients. | 1,573 |
| 2. | Old Patients. | 6,804 |
| 3. | Total patients. | 8,377 |
| 4. | Male | 4,920 |
| 5. | Female | 2,957 |
| 6. | Children. | 500 |
| 7. | Check-up done. | 2,860 |
| 8. | X-Rays. | 1,315 |
| 9. | Sutures removed. | 497 |
| 10. | Dressing. | 1,383 |
| 11. | Teeth Ext. | 1,153 |
| 12. | Wiring. | 181 |
| 13. | Blood urine exam. | 337 |
| 14. | Abscess Incise. | 74 |
| 15. | Apicectomy | 38 |
| 16. | Alveolectomy | 23 |
| 17. | Aurioplasty (Vnilateral) | 1 |
| 18. | Rib graft | 9 |
| 19. | Biopsy | 102 |
| 20. | Ankylosis. | 12 |
| 21. | Bilateral ankylosis with rib graft. | 5 |
| 22. | Cyst enucleation | 37 |
| 23. | Closure of original fistula | 3 |
| 24. | Curettage of E. O. Sinus. | 3 |
| 25. | Caldwell Lue. | 5 |
| 26. | Condylectomy | 7 |
| 27. | Curettage. | 7 |
| 28. | Division of D. P. flap. | 2 |
| 29. | S. M. F. | 12 |
| 30. | Excision of epulis. | 10 |
| 31. | Excision of soft tissue. | 2 |
| 32. | Exploration. | 26 |
| 33. | Impaction. | 257 |
| 34. | Fracture. | 61 |
| 35. | Resection of Mand. Rib Grafting. | 1 |
| 36. | Fibrous dysplasia. | 2 |
| 37. | Gland excision. | 2 |
| 38. | Hemimandibulectomy. | 4 |
| 39. | Mandibulectomy. | 5 |
| 40. | Neurectomy. | 12 |
| 41. | Osteotomy. | 45 |
| 42. | Maxilectomy. | 2 |
| 43. | Repair of cleft palate. | 2 |
| 44. | Repair of the lip. | 2 |
| 45. | Resuturing. | 1 |
| 46. | L. A. Cases. | 393 |
| 47. | G. A. Cases. | 242 |
| 48. | Rupees. | 77,555.50 |
| 49. | Free. | 425 |
| 50. | C. A. Mandible. | 7 |

| Sr. No. | Particulars. | Total. |
|---------|-----------------------------|--------|
| 51. | Leukoplakia. | 1 |
| 52. | Rhinoplasty. | 2 |
| 53. | Partial Glossectomy. | 1 |
| 54. | V. M. E. with Bimax. | 1 |
| 55. | Scar revision. | 3 |
| 56. | Lymphangioma. | 1 |
| 57. | Sequestrectomy. | 1 |
| 58. | Skin Graft. | 1 |
| 59. | Tumour. | 8 |
| 60. | Facial defect. | 4 |
| 61. | Haemorrhage. | 1 |
| 62. | Opening of mouth. | 1 |
| 63. | Tongue flap. | 1 |
| 64. | Resection of left masseter. | 1 |
| 65. | Nasal Antrostomy. | 1 |
| 66. | Vetibuloplasty. | 3 |
| 67. | Multiple Ext. | 1 |
| 68. | Excision of Lymphnode. | 1 |
| 69. | Sinus Lavage. | 1 |

APPENDIX 'B' — (CONTD.)

(B) EXODONTIA DEPARTMENT

Clinical yearly Report from 1-4-1987 to 31-3-1988.

| Sr. No. | Particular | Total. |
|---------|-----------------------|----------|
| 1. | New Patients. | 21,347 |
| 2. | Old Patients. | 19,772 |
| 3. | Total Patients. | 41,119 |
| 4. | Male. | 22,594 |
| 5. | Female. | 18,345 |
| 6. | Children. | — |
| 7. | Consultation. | 3,520 |
| 8. | Prescription. | 4,196 |
| 9. | Teeth Ext. | 30,551 |
| 10. | G. A. Ext. | — |
| 11. | Root Ext. | — |
| 12. | X-Ray | 1,290 |
| 13. | Medication. | — |
| 14. | Abscess Incise. | 25 |
| 15. | Alveolotomy. | 52 |
| 16. | Flushing. | 5 |
| 17. | Flap Removed. | 148 |
| 18. | Impacted Third Molar. | 346 |
| 19. | Suture removed. | 552 |
| 20. | Excision of Epulis. | 10 |
| 21. | Dressing. | 8 |
| 22. | Cyst operation. | 7 |
| 23. | Rupees. | 75,245/- |
| 24. | Biopsy. | 7 |
| 25. | Apicectomy. | 3 |
| 26. | R. C. Filling. | 10 |
| 27. | Free. | 4,721 |

APPENDIX 'C'

DEPARTMENT OF ORAL ANATOMY, HISTOLOGY, ORAL PATHOLOGY AND MICROBIOLOGY

Clinical yearly report for the period from 1-4-1987 to 31-3-1988.

| Sr. No. | Particulars. | Total. |
|---------------------------------------|--|--------|
| 1. | Pathology Biopsy. | 26 |
| 2. | Surgical Biopsy. | 304 |
| 3. | Total No. of Biopsy. | 330 |
| 4. | No. of Paraffin Blocks. | 510 |
| 5. | No. of Teeth & Embryo Blocks. | 4 |
| 6. | Recutting of Block. | 100 |
| 7. | Total No. of Blocks cut. | 614 |
| 8. | Total No. of paraffin slides. | 1350 |
| 9. | No. of slides routine stained. | 814 |
| 10. | No. of slides special stains. | 246 |
| 11. | Total No. of stained slides. | 860 |
| 12. | Total No. of slides prepared. | 2210 |
| 13. | Total No. of ground sections. | 32 |
| 14. | Total No. of Dry specimens prepared. | 3 |
| 15. | Total No. of Museum specimens prepared. | 23 |
| HAEMATOLOGICAL INVESTIGATIONS. | | |
| 1. | No. of Haemoglobin. | 1523 |
| 2. | No. of Bleeding time. | 1517 |
| 3. | No. of dotting time. | 1517 |
| 4. | No. of W. B. C. | 1400 |
| 5. | No. of white cell Morphology. | 1400 |
| 6. | No. of Plate lets count. | 5 |
| 7. | Erythrocyte sodimentation rate. | 415 |
| BIOCHEMICAL INVESTIGATION. | | |
| 8. | Blood sugar. | 450 |
| 9. | Serum Alkaline phosphatase. | 35 |
| 10. | Serum cholesteral. | 9 |
| 11. | Serum Electrolyte. | 12 |
| 12. | Serum Creatimine. | 11 |
| 13. | Serum Billirubin. | — |
| SEROLOGICAL INVESTIGATION. | | |
| 14. | V. D. R. L. | 143 |
| BACTERIOLOGICAL INVESTIGATION. | | |
| 15. | Culture and Sensitivity. | 80 |
| 16. | Aspirated Fluid for Cholesterol crystal. | 145 |
| URINE INVESTIGATION. | | |
| 17. | Urine Sugar. | 1400 |
| 18. | Bile salt and Bile pigment. | 1400 |

APPENDIX 'D'
DEPARTMENT OF ORAL DIAGNOSIS AND RADIOLOGY.
DETAILS OF RADIOGRAPHS AND REPORT DURING THE YEAR 1987--88.

| Month. | Intra-Oral | Extra-Oral 8 1/4" x 8 1/4" | Extra-Oral 8" x 10" | Panograph. | Occlusal. | O.P.G. | No. of Patients. |
|------------------|------------|-------------------------------|------------------------|------------|-----------|--------|---------------------|
| April, 1987. | 1371 | 201 | — | — | 07 | 07 | 972 |
| May, 1987. | 1168 | 206 | — | 157 | 11 | 13 | 1059 |
| June, 1987. | 1294 | 227 | — | 254 | 13 | 06 | 1180 |
| July, 1987. | 1112 | 239 | — | 239 | 16 | 06 | 1267 |
| August, 1987. | 683 | 171 | — | 109 | 16 | 05 | 658 |
| September, 1987. | 849 | 208 | 112 | 204 | 18 | 09 | 957 |
| October, 1987. | 753 | 163 | — | 195 | 13 | — | 861 |
| November, 1987. | 1093 | 239 | — | 219 | 06 | 13 | 1251 |
| December, 1987. | 1285 | 238 | — | 76 | 08 | 10 | 1336 |
| January, 1988. | 1348 | 234 | — | 154 | 17 | 12 | 1347 |
| February, 1988. | 1150 | 225 | — | 223 | 07 | 19 | 1299 |
| March, 1988. | 753 | 285 | — | — | 01 | 31 | 825 |
| Total | 2859 | 2636 | 112 | 1830 | 133 | 131 | 13012 |

APPENDIX 'E'

DEPARTMENT OF PERIODONTOLOGY
Clinical Report from 1-4-1987 to 31-3-1988.

| Sr. No. | Description | Total |
|------------|-----------------|----------|
| 1. | New Patients. | 10,778 |
| 2. | Old Patients. | 18,037 |
| 3. | Total Patients. | 28,815 |
| 4. | Male | 17,296 |
| 5. | Female. | 11,509 |
| 6. | Children. | 10 |
| 7. | Medication | 218 |
| 8. | Consultation. | 11,587 |
| 9. | X-Rays. | 342 |
| 10. | Scal. (Incomp.) | 10,648 |
| 11. | Scal. (Comp.) | 4,951 |
| 12. | Sr. Free. | 542 |
| 13. | Curettage. | 149 |
| 14. | Gingivectomy. | 152 |
| 15. | G. Free | 29 |
| 16. | Flap Surgery. | 135 |
| 17. | Pack removed. | 450 |
| 18. | Impression | 4 |
| 19. | Splints | 4 |
| 20. | Occl. Adj. | 26 |
| 21. | Acute inf. | — |
| 22. | Frenectomy | 14 |
| 23. | Abscess drained | 1 |
| 24. | Biopsy. | 3 |
| 25. | Rupees. | 58,911/- |

APPENDIX 'F'

DEPARTMENT OF OPERATIVE

Clinical Yearly report for the period from 1-4-87 to 31-3-1988.

| Sr. No. | Particulars. | Total. |
|---------|--------------------------------------|-------------|
| 1. | Old Patients. | 25,615 |
| 2. | New Patients | 4,165 |
| 3. | Total Patients. | 27,780 |
| 4. | Male patients. | 14,066 |
| 5. | Female patients. | 13,714 |
| 6. | Consultaion. | 5,212 |
| 7. | Medication. | 2,735 |
| 8. | Cutting & ZnOE | 6,054 |
| 9. | Ag. filling paid. | 4,819 |
| 10. | Ag. filling Free. | 1,044 |
| 11. | Total Ag. fillings. | 5,863 |
| 12. | Silicate filling paid. | 298 |
| 13. | Silicate filling free | 57 |
| 14. | Total Silicate fillings. | 349 |
| 15. | Inlay Paid. | 68 |
| 16. | Inlay free. | 23 |
| 17. | Total Inlays. | 91 |
| 18. | Full Crown paid. | 297 |
| 19. | Full Crown Free. | 139 |
| 20. | Total Full Crowns. | 436 |
| 21. | Jacket Crown paid. | 433 |
| 22. | Jacket Crown Free. | 152 |
| 23. | Total Jacket Crowns. | 585 |
| 24. | Root Canal filling paid. | 761 |
| 25. | Root Canal filling free. | 181 |
| 26. | Total Root Canal fillings. | 942 |
| 27. | Root Canal Dressing. | 2,960 |
| 28. | Pulpotomy Paid. | 86 |
| 29. | Pulpotomy free | 31 |
| 30. | Total pulpotomy. | 117 |
| 31. | Apisectomy paid. | 35 |
| 32. | Apisectomy free. | 6 |
| 33. | Total Apisectomy. | 41 |
| 34. | Dowel Crown paid. | 57 |
| 35. | Dowel Crown Free. | 12 |
| 36. | Total Dowel Crowns. | 69 |
| 37. | Composite fillings free. | 10 |
| 38. | Composite fillings paid | 32 |
| 39. | Aspa filling paid. | 1 |
| 40. | Aspa filling free. | — |
| 41. | GIC fillings paid. | 196 |
| 42. | GIC fillings free. | 52 |
| 43. | J. C. Gold backing free. | — |
| 44. | J. C. Gold backing paid. | 6 |
| 45. | Blood Test. | 38 |
| 46. | Urine Test. | 5 |
| 47. | Zinc Phosphate cement filling. | 57 |
| 48. | Handing over X-ray films to patient. | 24 |
| 49. | I. O. X-rays Free. | 1,097 |
| 50. | I. O. X-ray paid. | 4,482 |
| 51. | Panoramic X-rays paid. | 5,584 |
| 52. | Certificates. | 2 |
| 53. | Amount collected Rs. | 1,21,569.00 |

APPENDIX — G

ORTHODONTIA OF DEPARTMENT

Clinical Yearly Report for the period from 1-4-1987 to 31-3-1988.

| Sr. No. | Description. | Total. |
|---------|---|----------|
| 1. | New Patients' Visits. | 1,181 |
| 2. | Old Patients' Visits. | 10,431 |
| 3. | Total Visits. | 11,612 |
| 4. | Male Adults. | 5,104 |
| 5. | Female Adults. | 6,508 |
| 6. | Impressions. | 1,796 |
| 7. | Panorex | 406 |
| 8. | X—Rays. | 306 |
| 9. | Cephalograms. | 579 |
| 10. | Photographs. | 329 |
| 11. | New Patients' Treatment started. (Diagnosis Done). | 261 |
| 12. | Removable Appliance New Patients' | 144 |
| 13. | Fixed Appliance New Patient | 117 |
| 14. | Fixed Appliance Adjustments. | 1,333 |
| 15. | Removable Appliance Adjustments. | 1,479 |
| 16. | Myofunctional Appliances | 17 |
| 17. | Space Maintainers given | 223 |
| 18. | Habit Breaking Appliances | 194 |
| 19. | Special Appliance (Cleft Palate) | 51 |
| 20. | Extra Oral Appliance | 12 |
| 21. | Retention Plates (Complete Cases) | 264 |
| 22. | O. P. .G. | 26 |
| 23. | Check up done. | 4,563 |
| 24. | Charges. | 172 |
| 25. | Free Cases. | 73 |
| 26. | Amount Collected Rs. | 1,18,745 |

APPENDIX — 'H'

Yearly clinical Reports from 1-4-1987 to 31-3-1988 Pedodontia Department.

| Sr. No. | Description. | Total. |
|---------|---|--------------|
| 1. | New Patients. | 6,404 |
| 2. | Old Patients. | 18,930 |
| 3. | G. Total Patients. | 25,334 |
| 4. | Complete treatment under G. A. | 120 |
| 5. | Consultation. | 7,297 |
| 6. | Medication. | 300 |
| 7. | X-Ray Pd. | 999 |
| 8. | X-Ray Free. | 452 |
| 9. | X-Ray G. T. | 1,451 |
| 10. | Cavity Cutting 2 Nos. | 4,661 |
| 11. | Ag. paid. | 2,051 |
| 12. | Ag. free. | 1,917 |
| 13. | Ag. G. T. | 3,968 |
| 14. | Puppotomy paid. | 241 |
| 15. | Pulpotomy Free. | 117 |
| 16. | Pulpotomy G. T. | 358 |
| 17. | R. C. filling paid. | 125 |
| 18. | R. C. filling free. | 49 |
| 19. | R. C. G. T. | 174 |
| 20. | Scaling/Polishing paid. | 184 |
| 21. | Scaling/Polishing free. | 327 |
| 22. | Scaling/Polishing G. T. | 511 |
| 23. | Extractions paid. | 5,171 |
| 24. | Extractions free. | 3,147 |
| 25. | Extractions G. T. | 8,318 |
| 26. | S. S. Crown. | 29 |
| 27. | S. Maintens. | 25 |
| 28. | Fisher filling. | 21 |
| 29. | Jacket Crown. | 13 |
| 30. | Composit Filling. | 31 |
| 31. | Full Crown. | 1 |
| 32. | Dowel. | 3 |
| 33. | Apisectomy. | 3 |
| 34. | Splint. | 3 |
| 35. | Orthodontia Full Treatment + Removable Treatment. | 4 |
| 36. | Fluoride. | 4 |
| 37. | Part Dentures. | 9 |
| 38. | Silicate filling. | 7 |
| 39. | Blood & Urine. | 136 |
| 40. | R. C. Dressing. | 1,278 |
| 41. | Check up. | 504 |
| 42. | Pulpcapping. | 58 |
| 43. | Total collection (Revenue) | Rs. 38,788/- |

Clinical yearly report of School Clinic at Nair Hospital
Dental College for the period from 1st April 1987 to 31st March 1988.

| Sr. No. | Description. | Total. |
|---------|--------------------------------|--------|
| 1. | New Patients. | 1,986 |
| 2. | Old Patients. | 7,442 |
| 3. | Total Patients. | 9,428 |
| 4. | Complete Treatment under G. A. | 4 |
| 5. | Consultation | 1,875 |
| 6. | Medication. | 82 |
| 7. | X-Ray | 339 |
| 8. | Cavity cutting & ZnOE. | 1,989 |
| 9. | A. G. Filling Free. | 1,398 |
| 10. | Pulpectomy. | 120 |
| 11. | R. C. Filling. | 54 |
| 12. | Scaling/Polishing. | 347 |
| 13. | Extractions. | 2,838 |
| 14. | R. C. Dressing. | 453 |
| 15. | Check up. | 498 |
| 16. | Pulp capping. | 23 |
| 17. | Jacket Crown. | 9 |
| 18. | Silicate filling. | 5 |
| 19. | S. S. Crown. | 4 |
| 20. | S. Maintenece. | 1 |
| 21. | Dowel. | 3 |
| 22. | Composit filling. | 4 |
| 23. | Apicectomy. | 1 |
| 24. | Blood | 2 |

APPENDIX 'I'

PROSTHETIC AND CROWN AND BRIDGE DEPARTMENT.
Clinical yearly report for the period from 1st April 1987 to 31st March 1988.

| Sr. No. | Particulars. | Total. |
|------------------------------|-----------------------------|----------|
| PATIENTS ATTENDANCE : | | |
| 1. | New Patients. | 2,687 |
| 2. | Old Patients. | 9,896 |
| 3. | Total Patients. | 12,583 |
| 4. | Male Patients. | 8,158 |
| 5. | Female Patients. | 4,425 |
| 6. | Children. | — |
| WORK DONE : | | |
| 7. | Consultation. | 2,667 |
| 8. | Complete dentures. | 858 |
| 9. | Immediate Complete denture. | 1 |
| 10. | Partiel Dentures. | 1,023 |
| 11. | Immedjate partial dentures. | 14 |
| 12. | Repair of dentures. | 304 |
| 13. | Cast Crowns. | 54 |
| 14. | Jacket Crown in Acrylic. | 2 |
| 15. | Obturator. | 4 |
| 16. | Relining & Rebasing. | 16 |
| 17. | Bridges (2 units). | 4 |
| 18. | Bridges (3 units). | 79 |
| 19. | Bridge (4 units). | 6 |
| 20. | Bridge (5 units). | 3 |
| 21. | Bridge (6 units). | 2 |
| 22. | Brudge (7 units). | 1 |
| 23. | Marylind Bridge (3 units). | 1 |
| 24. | X-Rays. | 159 |
| 25. | Total collection (Revenue) | 93,527/- |

| Sr. No. | Particulars. | Total. |
|---|-----------------------------|--------|
| FREE WORK DONE DURING THE YEAR : | | |
| 26. | Complete Dentures | 90 |
| 27. | Partial Dentures | 191 |
| 28. | Immediate partial dentures. | 1 |
| 29. | Repair of dentures. | 30 |
| 30. | Cast Crown. | 15 |
| 31. | Bridge (3 units). | 22 |
| 32. | Bridge (4 units). | 2 |
| 33. | Bridge (2 units) | 1 |
| 34. | Jacket crown in acrylic-1* | 1 |
| 35. | Cast partial. | 2 |
| 36. | Relining. | 66 |
| 37. | X-Rays. | 31 |

APPENDIX 'J'

COMMUNITY DENTISTRY.

Clinical yearly report for the period from 1st April 1987 to 31st March 1988.

| Sr. No. | Months | Particulars Camps. | Patients treated |
|----------------|----------------|--------------------|------------------|
| 1. | April 1987 | 12 | 322 |
| 2. | May 1987 | 13 | 268 |
| 3. | June 1987 | 14 | 227 |
| 4. | July 1987 | 17 | 439 |
| 5. | August 1987 | 12 | 420 |
| 6. | September 1987 | 18 | 851 |
| 7. | October 1987 | 11 | 312 |
| 8. | November 1987 | 19 | 1152 |
| 9. | December 1987 | 6 | 695 |
| 10. | January 1988 | 19 | 935 |
| 11. | February 1988 | 19 | 828 |
| 12. | March 1988 | 17 | 303 |
| Total : | | 177 | 6,770 |

APPENDIX — K

List of Scientific Publication & Papers read during the year 1987-88.**ORTHODONTIA**

Dr. (Mrs.) T. M. Bhagtani read a paper at A. P. D. C. New Delhi Conference during January 1988. The title of the paper is "My Functional Therapy".

PROSTHETIC

(1) Dr. (Mrs.) S. J. Nagda, Lecturer F.T. — paper read in 13th A. P. D. C. New Delhi 'Dental Materials for esthetic Dentistry'.

(2) Dr. B. C. Shroff, Lecturer (P.T.) Evening paper entitled "Preventive Prosthodontics — Preservation of Residual Alveolar Ridge."

Paper presented at 13th Asian Pacific Dental Conference, held at Hotel Ashok, New Delhi from January 28th to 1st February 1988.

Paper was adjudged as the Best Prosthetic presentation was awarded Dr. Bharucha Prosthetic Shield.

DEPARTMENT OF ORAL PATHOLOGY, MICROBIOLOGY, ORAL ANATOMY & HISTOLOGY.**List of Scientific Publication and Papers read during the year 1987-88.**

(1) Guest Lecture at the 13th Oral & Maxillo-Facial Surgeons Conference held at Jabalpur in December 1987.

Topic :— Oral Soft Tissue Lesions in Oral and Maxillo-facial Surgery.

(2) Scientific Paper presented at the 13th Asian Pacific Dental Conference and 43rd I.D.A. Conference at New Delhi.

Topic :— Clinical Variations in Oral Manifestations of Sexually Transmitted Diseases.

ORAL & MAXILLO — FACTAL SURGERY DEPARTMENT**List of Scientific Publications & Papers read during the year 1987-88.**

(1) A total number of four scientific papers were presented in the Oral Surgery Annual Conference held at Jabalpur 1987. The paper "Management of Submucous Fibrosis" was given the best Scientific Paper Award.

(2) Presentations of Prof. T. N. Chawla Oration, at the Oral Surgery Annual Conference, Jabalpur, 1987 on "Facial Deformities".

(3) Presentation of Gest Lecture at Dhahanu Medical Association 1987, organized by the Dhahanu Medical Association.

(4) Presentation of Gest Lecture at Belgaum Medical College, 1987, (Organized by the Indian Dental Association).

(5) Presentation of special gest lecture "Surgical Orthodontics" at the Golden Jubille Orthodontic celebration, 1987, N. H. D. C.

(6) Presentation of special guest lecture, "Role of Antibiotics in Surgery", at the Research Endowment Conference, N. H. D. C. 1987.

(7) Publication of the scientific paper, "Cervical infection of an Odontogeni Origin" in the International Journal of Oral Maxillo-facial Surgeons, 1987.

PERIODONTIA

A.I.D.S. — A Review"
by Dr. A. R. Upponi

&

Dr. I. R. D'Silva.

Paper Presentation :—

(1) "Role of Preventive Periodontics in General Dental Practice in India" Dr. I. R. D'Silva.
Presented a Scientific paper in a Symposium at Hotel Jai Palace, Jaipur, on 2nd November 1987 at the XII National Conference of Indian Society of Periodontology.

(2) "Role of Prevention in Periodontal Health & Disease."

Dr. Mrs. P. K. Bhambhani.

Presented Scientific Paper at 13th Asian Pacific Dental Conference at New Delhi Held between Jan. 28th-February 1st, 1988.

ORAL DIAGNOSIS & RADIOLOGY**I. List of Scientific Publications :—**

(1) Traumatic Displacement of Teeth in the Soft Tissues of Neck.

Dr. Jakhi., Dr. Parekh B. K., Dr. Risbud M. N. Dental Dialogue 12 : 15-17, 1987.

(2) Acrocephalosyndactyly (Apert's Syndrome).

A rare case report.

Dr. Jakhi S. A., Dr. Parekh B. K.

Annals of Dentistry 46 : 31-33, 1987.

(3) Fusion with Dilated Odontome.

A case Report.

Dr. Jakhi S. A., Dr. Parekh B. K.

Annals of Dentistry, 46 : 43-45, 1987.

(4) Conducted Workshop on "Recent Advances in Diagnostic Sciences of Oral Diseases", with the Departments of Oral Pathology & Bacteriology in Nair Hospital Dental College on November 20th to 22nd 1987.

(5) Dr. B. K. Parekh — Read Scientific Paper on "Serum and salivary Immunoglobulin in Studies in Oral Submucous Fibrosis in 13th Asian Pacific Dental Conference held in New Delhi, from January 28th to 1st February 1988.

DEPARTMENT OF CONSERVATIVE DENTISTRY**Research Conducted :**

Dr. D. R. Shahani : An in-vitro assessment of the quality of Root
Dr. Gupte Darshan : Canal apical seal produced by Thermo
Mechanical Compaction and lateral
condensation.

Dr. D. R. Shahani : Comparative study of the solubility of Dental
Dr. Podar : Cavity Varnishes. (An in-vitro study).

Dr. D. R. Shahani : Comparative evaluation of the coronal seal
of various endodontic therapy at various
temperature.

Paper published :

Dr. D. R. Shahani : The antibacterial efficacy of citric acid and Journal of I.D.A.
Dr. Shishir Singh : 5.25% sodium hypochloride in infected root Vol. 59 June,
canal therapy. Sept. 1987, P. 173.
canal therapy.

Dr. D. R. Shahani : Apical sealing ability of Dentin adhesive Journal of I.D.A.,
and conventional Zone Root Canal Sealer Vol. 59 May 1987,
(An in-vitro study). P. 179.

APPENDIX — 'L'

Prizes and Awards won by the staff and students of the College.

| Sr. No. | Name of the Student | Name of Prize. |
|-----------------|---|--|
| ACADEMIC | | |
| 1. | Miss Malaney Kalpana G. | Final Dr. P. P. Shahani Scholarship. B. D. S. |
| 2. | Miss Lodaya Jagruti J. | Illrd Dr. J. M. Dubhash Scholarship, B. D. S. |
| 3. | Miss Papera Raechelle J. | Ist Silver Jubilee Scholarship. B. D. S. |
| 4. | Shri Gupta Arnob L. | IInd Silver Jubilee Scholarship. B. D. S. |
| 5. | Miss Lodaya Jagruti J. | Illrd Silver Jubilee Scholarship. B. D. S. |
| 6. | Miss Malaney Kalpana G. | Final Silver Jubilee Scholarship. B. D. S. |
| 7. | Miss Lodaya Jagruti J. | III Dr. Vinod Bhatt Scholarship. B. D. S. |
| 8. | Shri Ghosh Joydeep. | Illrd Dr. Vinood Bhatt Scholarship. |
| 9. | Best student award delivered by Medical Welfare Trust one for Male and one for Female : Male Prize awarded to — Dr. Banga Kulvinder Singh. Female prize awarded to — Dr. (Miss) Rao Usha B. | |
| 10. | Best Student Award of N. H. Dental College : Awarded to Miss Malaney Kalpana G. | |

UNIVERSITY PRIZES & AWARDS :

(1) Miss Kalpana G. Malaney obtained the Late Dr. Jimmy N. Dubash Prize for 1987 for securing highest number of marks in the subject of Prosthetic Dentistry at Final B. D. S. examination held in April 1987.

(2) Mr. Rajesh R. Mhatre obtained the Late Dr. Jimmy N. Dubash prize for 1987 for securing highest number of marks in the subject of Prosthetic Dentistry at Final B. D. S.

(3) Miss Malaney Kalpana G. obtained The Colgate Palmolive Gold Medal for securing highest number of marks in the subject of Periodontology at Final B. D. S. examination held in April 1987.

GROUP OF T. B. HOSPITALS, SEWRI.

High-Lights of the Year 1987-88.

I The services aim at the following objectives—

1. To ensure proper control and the effective working of the Anti-TB activities conducted by the several agencies in Brihanmumbai Mahanagar Palika to bring Tuberculosis reasonably under control.
2. To give the concentrated attention to the management and the implementation of the measures on the guide-lines of the policies adopted on the national policies for TB Control, i.e., by the State and the Central Government Health authorities.
3. To co-ordinate and manage the whole TB programme by associating all the agencies including the voluntary and private charitable organisations.
4. To remove short-falls which are in existence in the present TB Control Programme.
5. Research work in the field and in hospital area.

Achievements

The domiciliary treatment has been upgraded by 30 Area Tuberculosis Centres in the different areas of the City and the Suburbs for implementation of the City Tuberculosis Control Programme in collaboration with the State Government and several voluntary agencies.

Besides these Area Tuberculosis Centres, all 62 Upgraded Dispensaries and 100 General Dispensaries have been adopted as the Treatment Centres, where anti-TB Drugs including injections Streptomycin and other drugs are given to the patients who are residing in its vicinity.

II Expenditure:

| | Rs. |
|----------------------------------|----------------|
| 1. Total Expenditure. | 3,05,86,093.97 |
| 2. Amount spent on In-patients. | 2,75,75,544.21 |
| 3. Amount spent on Out-patients. | 30,10,549.76 |
| 4. Average cost per day on — | |
| (i) In-patient. | 89.94 |
| (ii) Out-patient | 8.96 |

III Significant Activities :

| | |
|---|--------|
| 1. Schedule Bed Strength | 1230 |
| 2. Admissions | 9439 |
| 3. Daily Average of In-patients. | 840 |
| 4. Out-patients at Clinics. | 20,212 |
| 5. Operations carried out : | |
| (i) Major | 4 |
| (ii) Minor | 202 |
| 6. Health Visits paid | 97 |
| 7. Patients covered under City Tuberculosis Programme | 30,909 |
| 8. Patients under Treatment at Municipal Centres. | 70,056 |

The Group of T. B. Hospitals is administered by the Medical Superintendent with the help of Deputy Medical Superintendent, Assistant Medical Superintendent, and other administrative executive staff.

Treatment to TB patients is provided at the following Centres :

1. G. T. B. Hospitals, Sewri, Bombay—15.
2. R. D. T. B. Clinic, Dadar, Bombay—14.
3. Municipal TB Clinic, Shamaldas Gandhi Marg, Bombay—2.
4. Municipal TB Clinic, Nawab Tank, Dockyard Rd., Bombay-10.
5. Municipal TB Clinic, Balaram Street, Bombay-8.
6. Municipal TB Clinic, Khar, Bombay—52.
7. Municipal Sub-TB Clinic, K. B. H. K. Bhabha Hospital, Kurla, Bombay—70.
8. All Municipal General Dispensaries and T. B. Sections in General Hospital, (City & Suburbs, Extended Suburbs).

Due to effective and successful Domiciliary Treatment Scheme, the demanded for hospitalisation is reduced and the beds at G. T. B. Hospitals are remaining vacant, hence 250 Municipal hired beds at the Sarvodaya Hospital, Ghatkopar has been discontinued with effect from 19th December, 1986.

The classification of the total bed strength at G. T. B. Hospital is as under :—

| G. T. B. Hospitals— | Male | Female | Child | Total |
|---------------------|------|--------|-------|-------|
| Medical Ward | 752 | 269 | 35 | 1056 |
| Surgical | 131 | 43 | — | 174 |
| | 883 | 312 | 35 | 1230 |

After discharge, 5,210 patients attended the hospital for follow-up.

G. T. B. Hospitals :

| Patients | | | | | | Remained at the end of the year |
|------------------------|--------------------|--------|-------|----------------|-------|---------------------------------------|
| From Pre- vious Yr. | New Admi- ssion | Total | Cured | Other- wise | Died | |
| 34 | 9,439 | 10,273 | 5,884 | 2,568 | 1,388 | 433 |

Statistical data revealed the high incidence in the age-group of 35-40 years. Ratio of death total admitted TB patients treated was 13.5%.

Municipal TB Clinics :

Cases directed by Clinics examined at Group of TB Hospitals, Sewri and patients needing admissions are admitted to these hospitals.

| Name of the Clinics | No. of patients | T. B. Cases | Non-T. B. Cases |
|---|-----------------|-------------|-----------------|
| 1. R.D. T. B. Clinic, Dadar | 12,802 | 3,445 | 9,357 |
| 2. Shamaldas Gandhi Marg TB Clinic. | 3,823 | 1,636 | 2,187 |
| 3. Balaram Street T. B. Clinic | 10,330 | 6,448 | 3,882 |
| 4. M. M. Munshi T. B. Clinic, Khar | 9,934 | 5,380 | 4,554 |
| 5. Nawab Tank T. B. Clinic | 3,364 | 1,122 | 2,242 |
| 6. Sub-TB Clinic at Bhabha Hospital, Kurla. | 2,933 | 2,181 | 752 |
| Total : | 43,186 | 20,212 | 22,974 |

Poor Box :

Collection out of the Poor Box Charity Fund of the Hospitals is utilised for the benefit of the poor and needy patients and the incidental expenses. Amount of Rs. 71,114.53 was collected for the Poor Box Charity Fund of the Hospital and Clinics during the year.

Teaching :

The Group of T. B. Hospitals and T. B. Clinics continued to recognised for Diploma Course in Tuberculosis & Chest Diseases by the College of Physicians and Surgeons, Bombay and for Degree Course in M. D. (Tuberculosis & Chest Diseases) by the University of Bombay, so also for D. P. H. (University of Bombay) and Homoeopathy students. Clinical instructions are imparted to under-graduate students of L. T. M. M. College, Sion and G. S. M. College, Parel.

City Tuberculosis Programme :

The Brihan Mumbai Mahanagarpalika have established the City Tuberculosis Programme (CTP) in the City on behalf of the State Government. The Central Government given free supply of Anti-TB drugs and MMR X-ray film rolls for this programme run by the Corporation. The Programme is jointly supervised by the Medical Superintendent, Group of TB Hospitals and the Assistant Health Officer (TB).

For active implementation of this programme the whole City of Bombay has been divided into 3 Zones (i) City, (ii) Western Suburbs and (iii) Eastern Suburbs. Thirty Centres (including 5 TB Clinics under M. S. G. T. B. and 5 of outside agencies) along with several others run by the Teaching Medical Institutions and Peripheral Hospitals which are working primarily as the diagnostic and the treatment centres in addition to 61 centres (Municipal General Dispensaries and Urban Health Centres of 3 Medical Colleges) have been entrusted with the drug distribution consisting of most modern and effective drugs like Rifampicin which are known to cure the disease within the course of 6-9 months' total treatment period. The work of all these centres is co-ordinated by M. S. G. T. B. with the assistance of Medical Officers of TB Clinic and Assistant Health Officer (TB) and the staff consisting of 4 TB Inspectors, 89 Treatment Organisers, 15 Health Visitors, and 1, B. C. G. Team Leader. This staff is engaged on the case findings, case holding and for the defaulter action.

Following are the Up-graded Dispensaries, Peripheral Centres (Treatment Centres) and BCG Vaccination Centres covered by each Area Tuberculosis Centres.

| Ward | Area Sq. Km. | Population | Name of the A. T. C. | | | |
|------|--------------|------------|---|----|----|----|
| A | 10.48 | 1,89,367 | G. T. Hospitals | | | |
| B | 2.47 | 1,74,536 | Mun. TB Clinic at Nawab Tank, Mazgaon. Bombay Port-Trust. | | | |
| C | 1.79 | 3,11,795 | Mun. TB Clinic at Shamaldas Gandhi Marg. 'C' Ward Medical Association TB Clinic. Bhartiya Arogya Nidhi. | | | |
| E | 7.40 | 4,62,065 | J. J. Hospital | 6 | 5 | 10 |
| F/S | 10,5879 | 7,93,991 | R. D. T. B. Clinic. | 10 | 6 | 10 |
| F/N | 10,559 | | O. H. T. C. TB Clinic, Sewri. | | | |
| G | 18.84 | 9,81,028 | Bai Gulbai Disp. Dadar, Bombay—28. F. S. M. Centre, Dharavi. | 10 | 14 | 8 |
| H | 25.8 | 7,24,344 | M. M. Munshi TB Clinic, Khar. Maharashtra Lokhit Seva Mandal Mun. General Hospital Santacruz. | 5 | 6 | 2 |
| K | 43.0 | 5,74,275 | R. N. Cooper Hosp. Juhu, Vile-Parle. L & T Clinic Andheri. | 6 | 8 | 7 |
| L | 13.0 | 4,33,571 | Bhabha Hospital Kurla. Sub. TB Clinic. | 3 | 9 | 4 |
| M | 62.19 | 5,67,625 | MAA Hospital Chembur. Centenary General Hospital, Govandi. P. S. M. Centre, Shivaji Nagar, Govandi. | 3 | 9 | 4 |
| N | 39.0 | 5,95,019 | Rajawadi Hospital Barve Nagar General Hospital, Ghatkopar. | 2 | 5 | 3 |
| P | 74.83 | 6,68,925 | Malad General Hospital Haji Bapu Road, Malad (E). Maharashtra Lokhit Mandal TB Centre. Malvani P. S. M. Centre. | 4 | 8 | 3 |
| R | 82.73 | 5,61,338 | Bhagwati Hospital, Borivli (W). Ashwini Kumar TB Centre, Borivli (W). Centenary Hospital, Kandivali (W). | 2 | 6 | 4 |
| T | 41.44 | 2,28,114 | M. T. Agarwal, Mun. General Hospital, Mulund (W). Mulund General Hospital, Mulund (E). | 2 | 5 | 5 |

Every Area Tuberculosis Centre (A.TC) is staffed by a Medical Officer, Health Visiter and 2 to 3 TB Investigators (Treatment Organisers) and some members of the lower staff. Out of 27 Area Tuberculosis Centres, 9 have M.M.R. X-ray Machine/other X-ray Machines equipment and Pathology Department and the remaining are having X-ray and/or Screening Machines and the Laboratories. All the Peripheral Centre which are the Municipal General Dispensaries, serve as the Treatment Centres only. The Medical Record Department of the hospital and TB Clinic and Central Statistical Section for field services is located at the Group of TB Hospital, Sewri.

As provided under the National Tuberculosis Programme, the Central Control Agency is being formed under the Chairmanship of the Municipal Commissioner.

BCG Vaccination Programme :

BCG Vaccination is now the part and parcel of the EPI Programme and is looked after by A. H. O. (EPI) of Public Health Department of Municipal Corporation of Greater Bombay.

Performance Budget :

The performance budget has been introduced from 1976-77. The details in respect of the target laid down and the target achieved are enclosed. The reasons for short falls and steps for maximising the output performance are also briefly stated in the table No. 1.

TABLE No. I

GROUP OF T. B. HOSPITALS, SEWRI.

PERFORMANCE TARGETS AND ACHIEVEMENTS—HOSPITALS

| | Target laid down | Target Achieved | Remarks |
|-----------------------------------|------------------|-----------------|---|
| 1. Indoor Cases | 12,100 | 9,439 | Due to introduction of system of rationalisation, only TB patients selected by the board are admitted. All patients attending this hospital are not admitted as done in the past. |
| 2. Operations (Nos.) | 200 | 204 | |
| 3. Follow-up Examination | 7,000 | 5,210 | |
| 4. Patients kept on Waiting List. | 500 | 134 | |
| 5. X-rays : | | | Due to shortage of Big plate X-rays. |
| (a) Mass Miniature Radiography. | 15,000 | 25,391 | |
| (b) Big Plates (Nos) | 15,000 | 3,829 | |
| (c) Screening Exam. | 200 | 210 | |
| 6. Pathology : | | | Pathology test are done as and when required. |
| (a) Blood | 12,000 | 10,328 | |
| (b) Sputum | 43,000 | 45,357 | |
| (c) Urine | 12,000 | 9,763 | |
| (d) Stools | 500 | 109 | |
| (e) Histopathology | 300 | 44 | |
| (f) Sensitivity Test | 1,850 | 3,373 | |
| (g) Pleural Fluids & Biochemistry | 10,500 | 10,459 | |
| (h) Blood Bank | 1,400 | 886 | |
| (i) Serology | 150 | 47 | |

TABLE NO. 2

Anti T. B. Activities carried out in the year 1987.

| | | |
|-----|--|----------|
| 1. | No. of New T. B. patients interviewed. | 17,227 |
| 2. | No. of repeaters interviewed by Treatment Organisers. | 1,08,906 |
| 3. | No. of home visits paid by Treatment Organisers & T. B. Inspectors at the residence of the patient | 39,879 |
| 4. | No. of close contacts contacted | 28,596 |
| 5. | No. of close contacts referred to TB Clinics for detection and treatment. | 10,258 |
| 6. | No. of close contacts who attended TB Clinics. | 4,607 |
| 7. | No. of positive cases detected from. | 904 |
| 8. | Defaulters (i) Total No. of defaulters | 30,067 |
| | (ii) No. of defaulters brought on regular treatment. | 13,907 |
| | (iii) No. of defaulters yet to brought on regular. | 16,160 |
| 9. | No. of persons who have under gone B.C.G. Vaccinations. | 1,176 |
| 10. | No. of School Children who have under TB treatment. | 1,498 |
| 11. | No. of B. C. G. Vaccinations in Municipal School. | — |
| 12. | No. of contacts T. B. patients noted from I. D. R. | 110 |
| 13. | No. of contacts referred to clinics from I. D. R. | 256 |
| 14. | No. of Laboratory Examination done at Municipal General Upgraded Dispensaries. | |
| | (a) Blood (E. S. R.) | 9,235 |
| | (b) Urine | 14,023 |
| | (c) Sputum | 3,390 |
| | (d) Screening | 1,825 |
| | (i) Positive | 1,036 |
| | (ii) Negative | 10,789 |

(Dr. A. P. Rao)
Medical Superintendent,
Group of T. B. Hospitals.

GROUP OF T. B. HOSPITALS, SEWRI
PROGRAMME WORKLOAD SUMMARY OF T. B. CLINIC

| 1987 | R.D.T.B. Clinic Dadar | | Shamaldas Gandhi Marg TB Clinic | | Balaram Street TB Clinic | | M.M. Munshi TB Clinic, Khar | | Newab Tank TB Clinic | | Sub-TB Clinic Bhabha Hospital, Kurla | | |
|--------------------------------|-----------------------|-----------------|---------------------------------|-----------------|--------------------------|-----------------|-----------------------------|-----------------|----------------------|-----------------|--------------------------------------|-----------------|--|
| | Target laid down | Target achieved | Target laid down | Target achieved | Target laid down | Target achieved | Target laid down | Target achieved | Target laid down | Target achieved | Target laid down | Target achieved | |
| I — OUTDOOR CASES | | | | | | | | | | | | | |
| (a) T. B. Cases | 4,500 | 3,445 | 4,500 | 1,636 | 2,100 | 6,448 | 7,500 | 5,380 | 1,350 | 1,122 | 1,850 | 2,181 | (1) Due to shortage of X-Ray films. |
| (b) Non-TB Cases | 4,600 | 9,357 | 4,600 | 2,187 | 1,500 | 3,882 | 5,000 | 4,554 | 2,500 | 2,242 | 700 | 752 | (2) Pathology Examination are done as and when required. |
| TOTAL : | 9,100 | 12,802 | 9,100 | 3,823 | 3,600 | 10,330 | 12,500 | 9,930 | 3,850 | 3,364 | 2,550 | 2,933 | (3) Under CTP pattern of Health visiting is changed. |
| II — X-RAYS | | | | | | | | | | | | | |
| (a) Mass Miniature Radiography | 16,500 | 23,248 | 14,600 | 2,392 | 4,300 | 10,822 | 12,000 | 10,671 | 6,000 | 5,306 | Shown under R.D. TB Clinic, Dadar. | | |
| (b) Big Plates | 200 | 130 | — | — | 200 | 224 | 150 | 30 | 300 | 83 | | | |
| III — PATHOLOGY | | | | | | | | | | | | | |
| (a) Blood Exam. | 100 | 694 | 100 | 382 | 100 | 41 | — | — | — | — | — | — | |
| (b) Sputum | 10,000 | 12,153 | 5,000 | 3,223 | 5,500 | 8,487 | 12,000 | 10,316 | 4,500 | 4,875 | 3,750 | 4,477 | |
| (c) Urine | — | 145 | — | — | 550 | 468 | — | — | — | — | — | — | |
| IV — HEALTH VISITING | 1,200 | 2,335 | 1,200 | 2,346 | 1,050 | 1,289 | 800 | 628 | 1,800 | 1,373 | 750 | 926 | |

(Dr. A. P. Rao)
Medical Superintendent,
Group of T. B. Hospitals.

SETH A J. B. MUNICIPAL E. N. T. HOSPITAL

HIGH LIGHTS

I EXPENDITURE

| | Rs. | P. |
|---|--------------|--------|
| A) 1. Total expenditure including liabilities | 51,55,217.60 | |
| 2. On In-Patient | 34,36,811.60 | |
| 3. On Out Patient | 17,18,405.80 | |
| 4. Amount Collected from Poor Box Fund | 79,576.00 | |
| | | |
| B) Average Cost : | | |
| 1. Per In-patient per day. | | 191.44 |
| 2. Per Out Patient attendance | | 16.06 |

II RESULTS :

| | | |
|---|--|----------|
| A) 1. Scheduled Bed Strength | | 100 |
| 2. Daily average In-patient in Wards | | 41.35 |
| 3. Admission including those brought over previous year (4178 + 48) | | 4226 |
| 4. Patients Discharged | | — |
| (i) as cured | | 4167 |
| (ii) as Unchanged | | 5 |
| (iii) as left against Medical advice | | 5 |
| (iv) Expired | | 1 |
| (v) Remained in the Hospital on last day of the year. | | 48 |
| 5. Highest number of admission on a single day (22-12-88) | | 31 |
| 6. Average stay of the inpatient (in days) | | 4.34 |
| By 1. Patients (New) | | 64,848 |
| 2. Daily average of out patients (New) | | 211 |
| 3. Out Patients (New & Old) | | 1,06,965 |
| 4. Daily average of Out Patients attendance | | 348 |
| 5. Highest number of attendance on a single day on 12-9-87. (New 400 + Old 228) | | 628 |

Seth A. J. B. Municipal E. N. T. Hospital.

The Municipal Ear, Nose & Throat Hospital which was started in December 1962 at Improvement Trust Building has been renamed as Seth Atmasingh Jassasingh Bankebihari Municipal E. N. T. Hospital.

The Scheduled bed strength of the Hospital is 100. Total 3,600 Number of operations were performed on In-patients.

The following investigations were performed in Pathology Department.

| | |
|------------------------|--------|
| (A) Clinical Pathology | 31,451 |
| (B) Bio—Chemistry | 1,314 |
| (C) Histo—pathology | 969 |

In Radiology Department : 6,072 patients came for X-Rays, 9,149 X-Ray were taken 7,256 films were used for X-Rays .

An Audiology Room for full comprehensive hearing tests of handicapped individuals with services of Speech Therapist are also available in this hospital. 5,195 Numbers of Audiograms, 309 Numbers of post operative Audiograms, 240 Numbers of repeat audiograms 354 number of special tests were recorded and 284 number of Speech Therapy cases were attended.

An amount of Rs. 79,576.00 was collected through the poor Boxes during the year. Tracheostomy tubes blood transfusion and teflon piston were provided to the poor and deserving patients at part/full cost through the poor box Fund.

Since 11th Oct. 1983 a Medico Social worker has been appointed at this hospital. The work carried out by the deptt. in the year from 1-4-87 to 31-3-88 is given below :—

| Months | Adult deaf | Child deaf | T. B. | Cancer | Misc. |
|-----------|------------|------------|-------|--------|-------|
| 1987 | | | | | |
| April | 49 | 18 | 16 | 6 | 57 |
| May | 13 | 9 | 21 | 4 | 32 |
| June | 32 | 20 | 13 | 5 | 10 |
| July | 27 | 11 | 10 | 8 | 40 |
| August | 20 | 8 | 2 | 7 | 36 |
| September | 41 | 18 | 8 | 2 | 31 |
| October | 13 | 6 | 14 | 2 | 33 |
| November | 38 | 25 | 17 | 6 | 39 |
| December | 39 | 16 | 8 | 9 | 47 |
| 1988 | | | | | |
| January | 33 | 21 | 19 | 4 | 66 |
| February | 4 | ... | 2 | 1 | 10 |
| March | 28 | 4 | 12 | 2 | 51 |
| Total | 337 | 156 | 142 | 56 | 452 |

The deaf children are rehabilitated at special schools and vocational centres. The adult deaf patients are helped in obtaining the hearing aids 'Free' from NASEOH office, Ali Yavarjung Institute, Social Welfare Offices and other Charitable Trusts at a concessional price from various Companies.

M. S. W. Deptt. helps the T. B. patients in getting medicines and injections and in providing the blood transfusions from various Blood Banks to the patients.

| | |
|------------------------------------|-----|
| 1) Total Home visits paid | 80 |
| 2) Visits to Institutions for Deaf | 26 |
| 3) Visits to Cancer Institution. | 36 |
| | 142 |

| The Medical staff consisted of : | Nos of posts. |
|-------------------------------------|---------------|
| (a) Honorary ENT Surgeons | 3 |
| (b) Honorary Assistant ENT Surgeons | 1 |
| (c) Honorary Associate ENT Surgeons | 2 |
| (d) E. N. T. Registrars | 5 |
| (e) E. N. T. House Surgeons | 5 |
| (f) Junior A. M. O. | 2 |
| (g) Anaesthetist (P. T.) | 1 |
| (h) Pathologist (P. T.) | 1 |
| (i) Hon. Asstt. Radiologist. | 1 |
| | 1 |

| Nursing staff consisted as following. | |
|---------------------------------------|----|
| (i) Senior Sister. | 1 |
| (ii) Sisters | 6 |
| (iii) Staff Nurses. | 27 |
| | 27 |

Rs. 29,15,044.00 have been spent on Establishments of hospital during the year.

DR. (SMT) S. C. BASRUR
ASSISTANT MEDICAL OFFICER
Municipal E.N.T. Hospital

SETH V. C. GANDHI AND M. A. VORA
MUNICIPAL GENERAL HL,
RAJAWADI HOSPITAL, GHATKOPAR BOMBAY 400 077.

Highlights : **I EXPENDITURE**

| | | |
|------------|--------------------|----------------|
| (A) | 1. On in-patients | 2,05,13,706.00 |
| | 2. On out-patients | 87,91,589.00 |

(B) AVERAGE COST PER

| | | |
|----|---------------------|-----------|
| 1. | In-patient per day | Rs. 95.72 |
| 2. | Out-patient per day | Rs. 3.14 |

II RESULTS IN-PATIENTS

| | | |
|----|---|-------|
| 1. | Scheduled Bed Strength | 578 |
| | Sarvodaya Beds | 70 |
| | Total Beds | 648 |
| 2. | Daily average in patients in wards. | 469 |
| 3. | Admissions including those brought over from previous year. | 28697 |
| 4. | Number of patients discharged as | |
| | i) Relieved | 2000 |
| | ii) As Cured | 22138 |
| | iii) Otherwise | 2698 |
| | iv) Expired | 1475 |
| | Within 24 hours | 667 |
| | After 24 hours | 234 |
| | Exceeding 3 days | 574 |
| | v) Remaining in the hospital on the last day of the year. | 386 |
| | vi) Daily Average number of Admissions. | 78 |
| | vii) Average stay of in patients (In days) | 5 |
| | viii) Highest number of in patients in a single day. | 517 |

(C) OUT PATIENTS

| | | |
|------|--|--------|
| i) | New out-patient attendance | 158128 |
| ii) | Daily average number of out patient. | 522 |
| iii) | Highest O. P. D. attendance on a single day. | 666 |
| iv) | No. of casualty attendance | 67397 |

| | | |
|------------|-----------------------|-------|
| (D) | i) Operation — Major | 2256 |
| | ii) Operation — Minor | 13070 |

(E) Confinements

| | | |
|------|----------------------|------|
| i) | Booked cases | 6692 |
| ii) | Emergency cases | 331 |
| iii) | Normal | 4992 |
| iv) | Abnormal | 621 |
| v) | Left before delivery | 300 |

Non-Natal and Natural deaths

| | | |
|------|-----------------------------|-----|
| i) | Maternal Death | 11 |
| ii) | Neo-Natal deaths | 79 |
| iii) | Still Births | 295 |
| iv) | Premature live born infants | 92 |

Specialised treatments

| | | |
|------|-----------------------------------|------|
| i) | Sterilization (Male) | 9 |
| ii) | Sterilization (Female) | 952 |
| iii) | Medical Termination of Pregnancy. | 1051 |

**SETH V. C. GANDHI & M. A. VORA, MUNICIPAL GENERAL HOSPITAL
RAJAWADI GHATKOPAR, BOMBAY — 77.**

HISTORY :

The land on which this hospital is situated originally belonged to Maharaja of Baroda and hence popularly known as Rajawadi. It was acquired by the then Local Municipal Bureau in the year 1950.

The beginning of the health care started on the land in the year 1956 with a ground floor structure dispensary with the help of the donations from Gandhi & Vora families.

In the year 1957, the area was merged into the Bombay Municipal Corporation Limits. The S. V. Khimji Maternity Home of 20 beds of the then Local Municipality was attached to the dispensary in the dispensary in the same year.

By then, the number of patients increased considerable which gave birth to a 50 bedded general hospital in the year 1958. It had indoor treatment facilities with Operation theatre, X-Ray & Laboratory. It was named as "Seth V. C. Gandhi & M. A. Vora Municipal General Hospital, Rajawadi Ghatkopar".

In the year 1960, the S. V. K. Maternity Home was merged into the hospital as a result of a lightning strike caused due to the issue of gifts received by Maternity Home's Staff.

In the year 1969 the bed strength rose to 160 with the introduction of Paediatric and Gynaec Wards. In the year 1972, specialities like E. N. T., Ophthalmology, Orthopaedics, Pathology were introduced which rose the bed strength to 200.

Nurse's and servant's quarters were shifted to Raoli Camp as they were indulging in certain unethical malpractices and servant's quarters were converted into R. M.O's quarters.

In 1973, Casualty Department was introduced alongwith mobile dispensary, ambulance, hearse and a Blood Bank.

It was in the year 1976 that the major expansion took place introducing a new 4 storeyed building with 6 new Operation theatres behind the old building.

Medical council of India recognised the houseposts in 1977.

In 1979, further upgradation earned recognition as a teaching institution by Bombay University. Under graduate students from Sion Hospital and Nair Hospital attended clinical training.

The units in Medical, Surgery, Gynaec & Obstetric were increased from 2 to 3 and in Ophthalmic & Paediatric from 1 to 2. The beds of Surgery Department were increased from 72 to 94. The total bed strength rose to 560.

I. C. C. U and M. I. C. U. of total 11 beds were introduced.

Central Ambulance Central System was introduced. Pathology was upgraded with 6 sections like Histopathology etc. and qualified Scientific Officers and Technicians were appointed.

Introduction of cold storage facility upgraded the Mortuary block.

In addition, the following activities are also run.

Clinics for drug addicts.

Examination of food handlers.

Seminars for I. M. A. Doctors with case presentations. Hospital is also equipped with disaster plan to meet unforeseen massive emergencies when the lecture hall is converted into special emergency ward.

Apart from this, 70 beds are reserved in Sarvodaya hospital for convalescent patients.

From 3rd February 1988, the Additional Coroner's Court, Rajawadi has started functioning near the hospital.

LOCATION : This Hospital is located in the Ghatkopar suburb on the Eastern side of the Central Railway line.

It is on the Eastern side of the Eastern side of the Vidyavihar Railway Station at a distance of approximately 1/4 K. M. and about 1/2 K. M. away from the Ghatkopar Railway Station on its North side.

It is located in between the Tansa Water mains which abuts the hospital on the west and Mahatma Gandhi Road, on the east at a distance of about 200 yds.

The Addl. Coroner's Court at Rajawadi is located in campus of this hospital.

AREA :**1. Total area of the Hospital**

6.25 Acres / i.e. 2,49,054. 12. Sq. ft.

2. Area utilised :

10,148.98 Sq. Yard. 91340.88 Sq. ft.

3. Area reserved for future expansion.

17523.70 Sq. Yard. 1,57,713.30 Sq. ft.

Dr. Y. N. More, M. D., D. G. O. was appointed as Medical Superintendent, from 13-12-1988.

Dr. (Smt.) V. M. Jaisinghani held the Post of A. M. O (Adm.).

The following departments exist in this hospital.

(1) Medical (2) Intensive Care Unit with separate section for acute cardiac cases (3) Surgical including minor surgery and Paediatrics Surgery (4) Paediatrics (5) Gynaecology and Obstetrics including Antenatal and Postnatal Clinic (6) Family Welfare (7) E. N. T. (8) Audiology and Speech therapy (9) Orthopaedics (10) Skin & V. D. (11) Opt alimology (12) Psychiatry (13) Dental (14) Occupational Therapy & Physio Therapy (15) Pathology (16) blood Bank (17) Evening dispensary for municipal employees (18) Casualty (19) Anti Rabic Immunization (Daily except Sunday and Bank Holidays) (20) Radiology Department (21) International Health Certificate (22) Medio Social Service Department (23) School Clinic (24) Tuberculosis Clinic (25) Immunization Clinic (9 to 11 A. M.) (26) E. C. G. Department (27) Diabetic Clinic (Friday 9 to 11).

DEPARTMENT OF MEDICINE :

The department of Medicine consists of 3 units, Each unit is looked by a Part Time Honorary Physician, Part Time Honorary Assistant Physician, Registrar, Houseman and A. M. Os. Each Unit conducts out patient Department and Emergency Services twice a week by rotation.

The Gastroenterology Department is looked after by Physician and a Surgeon jointly.

Diabetic O. P. D. is conducted every Friday when blood sugar estimation is on the spot on Ame's Cytone (Detrometer). Patients are called by appointment for Post Parandial Blood Sugar and some random blood sugar samples are also examined. About ten patients blood is examined for blood sugar every O. P. D.

Statistical Data of cases admitted in Medical Ward.

| Sex | In the hospital on the midnight 31-12-86 | Admitted during the year | Total | Discharged cured | Otherwise | Death | Remaining in the hospital on the midnight 31-12-87 |
|--------------|--|--------------------------|-------------|------------------|-------------|------------|--|
| Male | 40 | 2961 | 3001 | 2200 | 548 | 226 | 27 |
| Female | 23 | 2018 | 2041 | 1441 | 460 | 117 | 23 |
| M/ch | — | — | — | — | — | — | — |
| F/ch | — | — | — | — | — | — | — |
| Total | 63 | 4979 | 5042 | 3641 | 1008 | 343 | 50 |

Statistical Information of New O. P. D./Casualty attendance

| | Male | Female | M/ch | F/ch | Total |
|----------|------|--------|------|------|-------|
| O.P. D. | 7095 | 6654 | — | — | 13749 |
| Casualty | 9124 | 5293 | 8 | 4 | 14429 |

MEDICAL INTENSIVE CARE UNIT & CARDIAL CARE UNIT :

These units were started at this hospital from May 1979. Serious cases are admitted directly to those units. Cases transferred from other units were also treated. Only trained Staff and doctors are posted for work in these units. This department is managed by all the 3 medical units by rotation.

| | |
|--------------------------|-----|
| Combined total admission | 841 |
| Total Deaths | 271 |
| Mortality rate | 30% |

Statistical Data of cases admitted M. I. C. U.

| Sex | In the hospital on the midnight 31-12-86 | Admitted during the year | Total | Discharged cured | Otherwise | Death | Remaining in the hospital on the midnight 31-12-87 |
|--------------|--|--------------------------|------------|------------------|-----------|------------|--|
| Male | 5 | 585 | 590 | 360 | 31 | 196 | 3 |
| Female | 1 | 255 | 256 | 180 | 1 | 75 | — |
| M/ch | — | 1 | 1 | 1 | — | — | — |
| F/ch | — | — | — | — | — | — | — |
| Total | 6 | 841 | 847 | 541 | 32 | 271 | 3 |

2. DEPARTMENT OF SURGERY :

The department of Surgery consist of 3 units. Each unit is looked after by a Part-time Honorary Surgeon and Part-time Honorary Assistant Surgeon, Registrar, Houseman and A. M. O. Each unit conduct their O. P. D. and emergency services twice a week by roatation. (Appendix 3 and 4).

Paediatrics Surgery Clinic is conducted by Dr. V. B. Waigankar Hon. Asstt. Surgeon on his O. P. D. days *i.e.*, on Wednesday and Friday. (Appendix 3).

Statistical Data of cases admitted in Surgical Ward.

| Sex | In the hospital on the midnight 31-12-86. | Admitted during the year | Total | Discharged Cured | Otherwise | Death | Remaining in the hospital on the midnight 31-12-87 |
|--------|---|--------------------------|-------|------------------|-----------|-------|--|
| Male | 55 | 3122 | 3177 | 2257 | 749 | 84 | 42 |
| Female | 22 | 1411 | 1433 | 1024 | 356 | 37 | 16 |
| M/ch | 7 | 426 | 433 | 316 | 108 | — | 9 |
| F/ch | — | 209 | 209 | 157 | 51 | — | 1 |
| Total | 84 | 5168 | 5252 | 3754 | 1309 | 121 | 68 |

Statistical Information of New O. P. D./Casualty attendance.

| | Male | Female | M/ch | F/ch | Total |
|----------|-------|--------|------|------|-------|
| O. P. D. | 4381 | 2041 | 897 | 614 | 7933 |
| Casualty | 13733 | 5186 | 2440 | 1363 | 22722 |

SURGICAL OPERATION

| | |
|-------|------|
| Major | 554 |
| Minor | 1338 |
| Total | 1892 |

PAEDIATRIC SURGERY

| | | |
|------------|----------|-----|
| Attendance | O. P. D. | 111 |
| | Casualty | 26 |
| Admission | | 197 |
| Operations | | 91 |

3. DEPARTMENT OF PAEDIATRICS :

The department of Paediatrics consists of 2 units. Each units is looked after by a Part-time Honorary Paediatrician, Part-time Honorary Assistant Paediatrician, a Registrar and 2 Housemen. Each unit conducts their O. P. D. and Emergency services thrice a week (Appendix 3 and 4).

Establishment of Exchange Transfusion Centre.

The services rendered by Rajawadi Hospital are expanding at a greater speed. To keep up with the demand and need of Paediatric Services the time has come to set up an organised services in the form of Exchange Transfusion Centre.

It is noted that Rajawadi Hospital not only caters the other municipal hospital, mainly on North East side of Bombay as well as interiors of Maharashtra. With our experience improved care of mothers and babies, risk patinets and their management demands facilities to treat complicated cases.

Exchange Transfusion procedure is a LIFE SAVING PROCEDURE. This is being carried out till today in very much strained situation and cannot meet demand rate of exchange transfusion.

The main critical investigation for such cases is SERUM BILIRUBIN. It is to be assed immediately. At present our Institute has an equipment SAEC PHOTOANALYSER, but this services are only available during working hours 9 a.m. to 4 p.m. which is handling the load of the entire biochemical demand and cannot take up any further load of work.

Another equipment SEAC-100 PHOTOANALYSER if installed in our special care baby unit and the medical staff could be easily trained to handle this equipment. The advantages by such proposal are :—

1. Better and efficient services for such sick babies.
2. Hospital can render exchange transfusion services without any strain and load on present existing system.

3. Equipment is surely long last and minimum maintenance.
4. Personnel can be trained to operate the equipment.
5. Equipment can be adjusted to any nature of biochemical investigation by MICROMETHOD - an absolute necessary for paediatric department.
6. These services and facilities offered by the institute are attractive method of learning for resident medical staff.

Statistical Data of cases admitted in Paediatric Ward.

| SEX | In the hospital on the midnight 31-12-86 | Admitted during the year 1987 | TOTAL | Discharge | | | Remaining in the Hospital midnight 31-12-1987 |
|------|--|-------------------------------|-------|-----------|------------|-------|---|
| | | | | Cured | Other-wise | Death | |
| M/ch | 14 | 1846 | 1860 | 1200 | 461 | 180 | 19 |
| F/ch | 19 | 1441 | 1460 | 1100 | 139 | 206 | 15 |

Statistical Information of New OPD/Casualty attendance.

| | Male Child | Female Child | Total |
|----------|------------|--------------|-------|
| O. P. D. | 6757 | 5328 | 12139 |
| CASUALTY | 3881 | 2697 | 6578 |

4. DEPARTMENT OF GYNAEC AND OBSTETRIC :

This department consist of 3 units. Each unit is looked after by a Part-time Honorary Obstetrician & Gynaecologist and Part-time Honorary Assistant Obstetrician & Gynaecologist, Registrar, Houseman & A. M. O. Each unit conduct their O. P. D. & Emergency Services twice a week.

A wide variety of Obstetrics cases were seen and treated competently. These included cases transferred from maternity homes at Barve Nagar, Vikroli, Bhandup and Deonar. The cases transferred required specialised obstetric care unit and were either referred for both diagnosis and treatment.

O. P. D. service Antinatal & Postnatal Services were made available to a large section of the public and the attendance at Gynaec O. P. D. is in large no. (Appendix 3 & 4).

Each Antinatal Patients blood analysis, regular weight, Urine examination besides general and abdominal examination are done.

These clinics are extremely beneficial in the detection and treatment of obstetric malaise in the form of anemia, cardiac disease, diabetic, hypertension etc.

The interns posted attend O. P. Ds. perform minor O. P. D. procedures under supervision, learn basic antinatal care, attended Operation theatre, performed tubal sterilizations under supervision and attend emergency duties also.

The residents have been trained to deal efficiently with almost any emergency and have learnt to independently perform several major operations competently.

Statistical Data of cases admitted in Gyn. & Obst.

| Sex | In the hospital on the midnight 31-12-1986 | Admitted during the year 1987 | Total | Discharged | | | Remaining in the hospital on the midnight 31-12-1987 |
|------------------|--|-------------------------------|-------|------------|------------|-------|--|
| | | | | Cured | Other-wise | Death | |
| GYNAEC | | | | | | | |
| Female | 32 | 2016 | 2048 | 2000 | 6 | 4 | 38 |
| MATERNITY | | | | | | | |
| Female | 90 | 6907 | 6997 | 6917 | — | 16 | 64 |

Statistical information New O. P. D./Casualty attendance

| | |
|------------------|------|
| GYNAEC | 5091 |
| O. P. D. | 4365 |
| Casualty | |
| Maternity | 6831 |
| O. P. D. | |
| GYNAEC OPERATION | |
| Major | 721 |
| Minor | 1279 |
| Total | 2000 |

5. DEPARTMENT OF ORTHOPAEDICS

This department consists of only one unit. This unit is looked after by a Part-time Honorary Orthopaedic Surgeon, 2 part-time Honorary Assistant Orthopaedic Surgeons, 2 Registrar, 2 Houseman and A. M. O. This department conducts O. P. D. and emergency thrice a week.

Academic activities in the Orthopaedic Department :

1. Image Intensifier with 'C' arm and Television Monitors was installed in Orthopaedic Operation Theatre in March 1986.

This has to a great extent eased out surgeries around the hip especially where a number of x-rays were required intra-operatively, thereby decreasing the time of surgery required.

2. In January 1987 on 9th and 17th, Internal fixation course was held where 9—10 cases were demonstrated by Dr. S. D. Mehta, Head and Honorary Orthopaedic Surgeon, Dr. M. G. Yagnik, Dr. A. A. Rao, Honorary Asstt. Orthopaedic Surgeons held by Bombay Orthopaedic Society.

This was highly appreciated by all the delegates as a wide variety of surgery was shown to them.

3. In February 15th 1987 a Clinical Meeting of Bombay Orthopaedic Society was held where cases were presented by Hon. and Asstt. Hon. followed by discussion with eminent Orthopaedic Surgeons.

4. Spine Conference with demonstration of Spinal Surgery cases were held on 18-9-1987 where 5 spinal cases were demonstrated by the Honorary and Assistant Honorary. This was followed by a brief discussion on other spinal problems encountered in Orthopaedic practice.

5. Demonstration Surgery was arranged for the E. Merch Travelling fellows on 11th November 1987. A case of spine treated with Harrington Instrumentation with sublaminar wiring was shown by Dr. A. A. Rao, Asstt. Hon. also a clinical meeting on interesting cases was held after the Demonstration Surgery.

6. Demonstration Surgery of some interesting simple problems in Orthopaedics were shown to Travelling fellows from Tamil Nadu Orthopaedic Association on 8th January 1988. This was followed up by discussion of interesting cases.

7. Internal fixation course : Demonstration Surgery was held on 11th January 1988 where Hon. and Asstt. Honoraries demonstrated 11 major orthopaedic fracture surgery. This was followed by discussion on the cases and followed by lunch held by Bombay Orthopaedic Society.

8. M. S. (Orthopaedic) Practical Examinations were held with Dr. S. D. Mehta as one of the local examiners on 27th and 28th January. Each day 8 candidates were examined. Arrangements made for the examination were appreciated by both the local and external examiners. This was held by the Bombay University.

9. A. O. Sets (Locally manufactured by Shushrut Surgicals) were acquired by the Orthopaedic Department in July 1987.

They include — Basic Instrument set
 — Basic small and mini fragment set
 — Basic condylar plate set
 — Plate set
 — Screw set

This has made all types of trauma to be treated in a better method and earlier mobilization of the patient.

10. Hospital has a diagnostic arthroscope for the last 8—9 years which will now require updating i.e. operative instruments with its own arthroscope.

11. Facilities to do Dynamic Compression Screw fixation for Transcercical fracture neck femur cases is available with both implants and instruments provided by the hospital.

12. A new theatre set up has been established within the present Orthopaedic Operation Theatre which is for Replacements mainly Total Hip Replacement. Instruments and Implants are being organised and in near future Rajawadi Hospital will become the only Peripheral Hospital in Bombay Municipal Corporation to have a separate Replacement Orthopaedic Theatre complex. A new Hydraulic Operation Table, two shadowless lamps through donations from a private party have already been acquired.

Statistical Data of cases admitted in Paediatric Ward.

| SEX | In the hospital on the midnight 31-12-86 | Admitted during the year 1987 | TOTAL | Discharge | | | Remaining in the Hospital midnight 31-12-1987 |
|--------|--|-------------------------------|-------|-----------|------------|-------|---|
| | | | | Cured | Other-wise | Death | |
| Male | 32 | 1082 | 1114 | 369 | 698 | 16 | 31 |
| Female | 18 | 551 | 569 | 200 | 338 | 16 | 15 |
| M/ch | 1 | 146 | 147 | 52 | 90 | — | 5 |
| F/ch | 6 | 97 | 103 | 36 | 64 | — | 3 |
| Total | 57 | 1876 | 1933 | 657 | 1190 | 32 | 54 |

Statistical Information of New O. P. D./Casualty attendance

| | Male | Female | M/ch | F/ch | Total |
|----------|------|--------|------|------|-------|
| O. P. D. | 2151 | 1497 | 602 | 420 | 4670 |
| Casualty | 2918 | 1194 | 920 | 421 | 5453 |

Orthopaedic Operation

| | |
|-------|------|
| Major | 556 |
| Minor | 6622 |
| Total | 7178 |

6. PSYCHIATRY O. P. D.

The Psychiatry O. P. D. was started in October 1978. The Old and New patients are examined and treated at the O. P. D. 13 (A) between 9.00 A.M. and 12.00 P.M. from Monday and Saturday.

The number of new patients treated are as follows :—

| | YEAR (1987) | YEAR (1986) |
|--------------------------------|-------------|-------------|
| 1. Child upto 12 years of age. | | |
| a) Male | 15 | 18 |
| b) Female | 11 | 20 |
| 2. Male | 495 | 646 |
| 3. Female | 509 | 713 |
| 4. Case papers not available | 67 | |
| Total | 1097 | 1397 |

The Diagnostic distribution of these New cases is as follows :—

| Diagnosis | No. of Patients | |
|--|-----------------|------|
| | 1987 | 1986 |
| 1. Psychosis | | |
| a) Schizophrenia | 185 | 245 |
| b) M. D. P. (i) Mania | 2 | 5 |
| (ii) Depression | 70 | 86 |
| c) Organic Psychosis | 16 | 25 |
| 2. Neurosis | | |
| a) Anxiety Neurosis | 51 | 61 |
| b) Hysterical Conversion Reaction | 10 | 11 |
| c) Neurotic Depression | 570 | 710 |
| 3. Personality disorder and additon | 31 | 38 |
| 4. Psychosomatic disorders | 2 | 4 |
| 5. Epilepsy | 36 | 34 |
| 6. Mental subnormality | 17 | 47 |
| 7. Miscellaneous | 10 | 30 |
| 8. Nil active Psychoatric | 17 | 12 |
| 9. Psychiatric diagnosis could not arrived at (un diagnosed) | 80 | 80 |
| | 1097 | 1397 |

Dr. M. T. GADA Attended 140th annual conference of American Psychiatric Association at Chicago in May 1987.

| Indoor Cases referred | Suiciadal attempt | No. of times old patients | seen in the O. P. D. |
|-----------------------|-------------------|---------------------------|----------------------|
| 1986 | 621 | 611 | 6647 |
| 1987 | 387 | 379 | 6572 |

Other treatment :

a) E. C. T. : Patient for E. C. T. are called from Monday to Friday.

| Year | No. of cases | No. of E. C. Ts. |
|------|--------------|------------------|
| 1986 | 98 | 490 |
| 1987 | 29 | 217 |

The E. C. T. machine was not working for sometime and Honorary was on leave for two months as he had gone out of India.

b) Social cases work : The social worker attends Psychiatry O. P. D. from Monday to Saturday from 9.00 A. M. to 12.00 Noon.

The duties performed by her are as follows :—

(i). Collecting family history and main compaints of all the new cases. Total number of cases this year is 1097 (About 2194 hours in Psychiatry O. P. D.).

(ii) Psychiatric case work and counselling.

The patients who are in need of Psychiatric case work are referred to Medico Social Worker. This year 107 patients are referred fort case work and counselling. Each case is interviewed on an average 5 to 10 times each interview lasts for about half an hour to one hour. Total number of sessions this year is about 965. (About 726 hours spent on case work and counselling).

(c) The cases in need of psychological testing like I. Q. Rozschach, Ink-block test, M. M. P. I. were referred to other hospital as clinical Psychologist is not a staff member.

Dr. M. T. Gada Hon. Psychiatrist delivered, Tilak Vinoba Ræ Oration for 1987 of Indian Psychiatric Society at Calcutta. The subject of oration was "Psychobiology of Depression."

7. DEPARTMENT OF TUBERCULOSIS

This department consists of only one unit. It is looked after one Part-time Honorary T. B. specialist and one A. M. O. This unit function on all days of the week except Sundays. This department renders treatment to the old and new patients who are suffering from Pulmonary Tuberculosis. Patients referred from the surrounding dispensaries and private doctors practicing in the vicinity of the hospital are treated by the unit.

Statistical Information of New O. P. D./Casualty attendance.

| | Male | Female | M/ch | F/ch | Total |
|----------|------|--------|------|------|-------|
| O. P. D. | 278 | 108 | 4 | 2 | 392 |

8. DEPARTMENT OF INTERNATIONAL HEALTH CERTIFICATE :

This department functions all days of the week except Saturday, Sunday and Holiday. People desiring Health Certificates for going abroad or Pilgrimage attend this centre between 11 A. M. to 12.30 A. M.

| | |
|--------------|-----|
| Anti-Cholera | 800 |
| T. A. B. | 50 |

9. DEPARTMENT OF EAR, NOSE AND THROAT :

This department consist of one unit. This unit is looked after by a Part-time Honorary Ear, Nose and Throat Surgeon, Registrar and House Surgeon. This unit conducts O. P. D. and Emergency Services thrice a week. (Appendix 3 and 4).

Dr. Brajendra Baser, Lecturer, E. N. T. was awarded a Scholarship for further studies abroad for his research work on "Bipedal myocutaneous flap for one stage reconstruction of cheek after Cancer Surgery."

The article on the above subject will be published by the "The Journal of Laryngology and Otopogy. July 1988 Vol. 102."

Statistical Data of cases admitted in E. N. T. Ward.

| SEX | In the hospital on the midnight 31-12-86 | Admitted during the year 1987 | TOTAL | Discharge | | | Remaining in the Hospital midnight 31-12-1987 |
|--------|--|-------------------------------|-------|-----------|------------|-------|---|
| | | | | Cured | Other-wise | Death | |
| Male | 1 | 349 | 350 | 309 | 30 | 4 | 7 |
| Female | — | 382 | 382 | 287 | 82 | 5 | 8 |
| M/ch | — | 95 | 95 | 73 | 20 | — | 2 |
| F/ch | 2 | 121 | 123 | 106 | 12 | — | 5 |
| Total | 3 | 947 | 950 | 775 | 144 | 9 | 22 |

Statistical Information of New O. P. D./Casualty attendance

| | Male | Female | M/ch | F/ch | Total |
|----------|------|--------|------|------|-------|
| O. P. D. | 1135 | 1127 | 575 | 453 | 3290 |
| Casualty | 1740 | 807 | 619 | 358 | 3524 |

E. N. T. Operation

| | |
|-------|-----|
| Major | 215 |
| Minor | 484 |
| Total | 699 |

Dr. (Mrs.) K. A. Pradhan read on paper on "CWL Operation without Packing and Swelling" at Asia Oceanic Conference held at Delhi in December 1987.

10. DEPARTMENT OF SKIN & V. D. :

This department consists of only one units. It is looked after one Part-time Honorary Assistant Dermatologist, Registrar and House Physician. This department function on all days of the week except Sunday. (Appendix 3 and 4).

Statistical Data of cases admitted in Skin & V. D. Ward.

| SEX | In the hospital on the midnight 31-12-86 | Admitted during the year 1987 | TOTAL | Discharge | | | Remaining in the Hospital midnight 31-12-1987 |
|--------|--|-------------------------------|-------|-----------|------------|-------|---|
| | | | | Cured | Other-wise | Death | |
| Male | 11 | 585 | 596 | 490 | 98 | — | 8 |
| Female | 1 | 255 | 256 | 200 | 54 | — | 2 |
| M/ch | 2 | 1 | 3 | 2 | — | — | 1 |
| F/ch | — | — | — | — | — | — | — |
| Total | 14 | 841 | 855 | 692 | 152 | — | 11 |

Statistical Information of New O. P. D./Casualty attendance

| | Male | Female | M/ch | F/ch | Total |
|----------|------|--------|------|------|-------|
| O. P. D. | 3183 | 1817 | 1036 | 848 | 6884 |
| Casualty | 756 | 312 | 203 | 94 | 1365 |

11. DEPARTMENT OF OPHTHALMOLOGY :

This department consists of two units. Each unit is looked after a Part-time Honorary Ophthalmologist, Registrar and House Surgeon. Each unit conduct O. P. D. and Emergency thrice a week. (Appendix 3 and 4).

Adm. approval is obtained to start eye bank. Sanction of Government is awaited.

Statistical Data of cases admitted in Ophthalmic Ward.

| SEX | In the hospital on the midnight 31-12-86 | Admitted during the year 1987 | TOTAL | Discharge | | | Remaining in the Hospital midnight 31-12-1987 |
|--------|--|-------------------------------|-------|-----------|------------|-------|---|
| | | | | Cured | Other-wise | Death | |
| Male | 16 | 486 | 502 | 410 | 76 | — | 16 |
| Female | 4 | 328 | 332 | 290 | 30 | 1 | 11 |
| M/ch | 1 | 23 | 24 | 20 | 3 | — | 1 |
| F/ch | 1 | 18 | 19 | 16 | 2 | — | 1 |
| Total | 22 | 855 | 877 | 736 | 111 | 1 | 29 |

Statistical Information of New O. P. D./Casualty attendance

| | Male | Female | M/ch | F/ch | Total |
|----------|------|--------|------|------|-------|
| O. P. D. | 2124 | 1756 | 319 | 254 | 4453 |
| Casualty | 887 | 499 | 166 | 96 | 1648 |

OPERATION OPHTHALMIC

| | |
|-------|-----|
| Major | 510 |
| Minor | 470 |
| Total | 980 |

12. DEPARTMENT OF DENTISTRY :

This department consists of only one Unit which is looked after by a Honorary Dental Surgeon and a Tutor. This unite function on all days of the week except Sundays.

Statistical Information of New OPD/Casualty attendance

| | MALE | FEMALE | MALE CHILD | FEMALE CHILD |
|----------|------|--------|------------|--------------|
| O. P. D. | 1199 | 1219 | 314 | 212 |
| Casualty | 438 | 254 | 114 | 51 |

| | | |
|-------------------------|-----|-----|
| Total No. of Extraction | ... | 221 |
| Total No. of Fillings | ... | 218 |
| Total No. of Scallings | ... | 68 |
| Total No. of Traction | ... | 4 |
| Total No. of Operations | ... | 14 |

13. DEPARTMENT OF OCCUPATIONAL THERAPY & PHYSIO-THERAPY :

This department consists of one full time unit and function on all days of the week except Sunday.

Yearly workload is as under :—

| | | |
|-------------------|-----|---------------|
| Indoor attendance | ... | 54757 |
| O. P. D. | ... | 65098 |
| Sarvodaya | ... | 11191 |
| Total | ... | 131046 |

14. DEPARTMENT OF MUNICIPAL EMPLOYEES O. P. D. :

This O. P. D. functions daily except Sunday between 6.30 p.m. to 8 p.m. for Municipal Employees. Municipal employees are examined by the A. M. O. on duty. On an average 15 Municipal Employees take advantage of this facility daily.

15. FAMILY WELFARE CENTRE :

As every year, this year also, Family Planning is conspicuous in hospital activities.

1. **Achievement of Target :** Sterilisation target is surpassed.

Sterilisation ... 116%

I. U. C. D. ... 50%

2. **Award :** Hospital has bagged prize for maximum Family Planning figures for 4 consecutive years. It is expecting the highest performance award this time also.

3. **Post-partum Centre :** Hospital is awarded Post-partum Centre by State Government from the year April 1988. Hospital will soon get the additional facilities in terms of additional posts, additional grants and vehicle etc.

4. **Training :** As per every year this year also there was Laparoscopic training programme for candidates from all over India send by Indian Association of Gynaecological endoscopist.

5. **Out reach service :** Additional activities for implementation of various national programme. The targets under extended immunation programme are being achieved.

Activities of the centre :

| | | |
|----|-------------|-------|
| 1. | Tubectomy | 1051 |
| 2. | Vasectomy | 9 |
| 3. | I. U. C. D. | 452 |
| 4. | Condoms | 13100 |
| 5. | Oral Pills | 238 |

16. SCHOOL CLINIC :

The school clinic looks after children from the Municipal Corporation Schools surrounding this Hospital.

The analysis of the boys and girls treated at this hospital school clinic during the year 1987 is as follows :—

| DEPARTMENT | NEW | OLD | TOTAL |
|--------------|-------------|--------------|--------------|
| Paediatric | 1092 | 6252 | 7344 |
| Ophthalmic | 434 | 1911 | 2345 |
| Aural | 524 | 3624 | 4148 |
| Skin | 362 | 1683 | 2045 |
| Dental | 696 | 2921 | 3617 |
| Orthopaedic | 23 | 221 | 244 |
| Surgical | 15 | 50 | 65 |
| T. B. | 29 | 525 | 554 |
| TOTAL | 3175 | 17187 | 20362 |

17. LEPROSY CLINIC :

Leprosy clinic functions once a week *i.e.*, on Thursdays only between 2 P.M. and 4 P.M. People from the surrounding areas attend this clinic and avail of the treatment which is given by Dr. Manek from Alert India. The attendance at this clinic varies from 45 to 60.

18. RADIOLOGY DEPARTMENT :

This department is looked after by a Honorary Radiology and a Registrar. the work load of the department is as under :—

| | |
|---------------------------------|-------|
| No. of Indoor patient X-rayed | 12184 |
| No. of out-door patient x-rayed | 26677 |

TOTAL **38861**

DEPARTMENT OF MEDICAL SOCIAL SERVICE :**SECTION I**

Total number of cases referred during the year 1987 under different categories as follows :—

| Categories | No. of cases | Total No. of times these cases visited S. S. Department for help |
|--|--------------|--|
| 1. Medical Aid | 328 | 780 |
| 2. Unmarried mothers for M. T. P. and giving children in adoption | 7 | 37 |
| 3. Misc. <i>i.e.</i> for other reasons seeking job, orthopaedic ases and other aids. | 3 | 16 |
| TOTAL | 338 | |

II No. of social service institutions and agencies contacted for donation and other material help.

12

III No. of employees contacted

5

IV Handles the N. S. S. hospital project of :

i) Somaiya college of Arts and Commerce.

ii) Somaiya College of Science.

iii) Smt. P. N. Dhoshi Womens College.

Recreational projects like celebrations and decorations on Narali Purniama, Diwali and X'mas are arranged with the help of N. S. S. Students.

V The social worker attends Psychiatry O. P. D. from Monday to Friday from 9.00 a.m. to 12.30 P.M.

The duties performed by her are as follows :—

(i) Taking down the complaints and family history of newly registered patients. This year the total number of newly registered patients are 1097 (about 2194 hours in Psychiatry OPD).

(ii) Social case work and counselling : This year 107 patients were referred for case work and counselling. Total number of interview sessions are about 965 (About 726 hours spent on case work and counselling).

SECTION II**Socio-economic condition and medical aid to the needy patients.**

Fixing the quota of the Medical aid which is decided after scrutinisation according to socio-economic condition of the patient. 1500 patients are given medical aid yearly.

Financial subsidy or concession to the patient is made upon socio-economic conditions of the patient and charges are waived after thorough scrutinisation and counselling.

Group activities among N. S. S. Students/General Public/Staff :

To channelise the potential energy and to tap but the talent to the service of the society and community.

Students group consists of 60 N. S. S. from Jhunjhunwala College Ghatkopar, 60 N. S. S. students from Somaiya College, Ghatkopar and 30 students from Somaiya Science College.

A. Orientation Programme : To teach and give them specific knowledge to know skills and techniques to realise pain and pleasure of all the types of the patients.

B. Ward Patients Library : Old magazines, papers, story books are circulated daily to the patients by these students. It gives recreation to the patients.

C. Counselling and sharing the patients problem : Practical exposure is given through direct communication with patient to create a sense of belonging in patients as well as joy of sharing in students.

D. Sarvodaya Hospital activities : N. S. S. students and other volunteers have successfully celebrated diwali with the patient by decorating the ward and distributing sweets.

PROJECT WORK

1. Small project is taken up through our social service department for general awakening for leprosy.

Leprosy exhibition and slide show was organised through Ackworth Leprosy Hospital on 9th, 10th and 11th September. There was good response from patients, relatives and general public.

2. Sports—Games—Prize distribution : Entertainment programme and snaks for the patients was arranged on 11th December 1987 with the help of N. S. S. students of Jhunjhunwala College. On this occasion Honorable M. L. A. Shri Virendra Pal Bakshi had donated Rs. 1000/— towards this programme.

3. Analytical reporting : It is done through patients interview counselling — case studies through indoor — outdoor patients with analytical study in the question or manner and interview. Round about 80 cases were prepared and presented to Medical Superintendent for information.

4. Involvement with VIP and Social workers.

We have benefited through generous contribution from the following persons for which we are very grateful and thankful.

1. Mr. Virendra Pal Bakshi, M. L. A.
2. Mr. Bal Gurav, Corporator.
3. Mr. Atul Bhayani, Social Worker.
4. Mr. Pravin Bhal, Social Worker.
5. Taskent Cloth Stores, Sion.
6. Guru Kripa Hotel, Sion.
7. Vistal Dry Fruits Seva Dharam.
8. Narayan Seva Mandal.
9. Abhliasha Mandal.
10. K. D. Agarwal Charitable Trust.
11. Mahavir Trust.
12. Our Administration Staff and others.

LIBRARY

The total number of books added to the Library during the year 1987 was 80 as against 60 during the previous year. 21 books were not supplied by the book sellers because the books were not available in the market. 52 Books are likely to be received shortly. The Library has subscribed to 24 Medical Journals as against 34 in the previous year. The Library has at the end of the year 1230 books as against 1151 during the end of the previous year.

SARVODAYA HOSPITAL

Rajawadi Hospital has got 70 beds at Sarvodaya Hospital, Ghatkopar, Bombay 77, for treating convalescent Orthopaedic patient.

One Jr. A. M. O. (Orthopaedic) and one Staff Nurse has been appointed for looking after these patients at Sarvodaya.

MEDICAL RECORD DEPARTMENT

Recovery of fees from outdoor and Indoor patients from 1st January 1987 to 31st December 1987.

| | |
|----------------------|---------------------|
| O. P. D. Patients | Rs. 3,28,236 |
| Indoor patients | Rs. 1,24,620 |
| Receipts/Overstay | Rs. 1,69,108 |
| 4th Delivery charges | Rs. 8,200 |
| Total | Rs. 6,30,164 |

MEDICO-LEGAL SECTION

| | |
|--|------|
| 1. Issue of Police certificate | 1494 |
| 2. Doctor deputed to Session Court | 38 |
| 3. Doctor deputed to Metropolitan Court | 155 |
| 4. Records made available to Registrar Motor Accident Tribunal Court | 62 |

Other revenue collection at Rajawadi Hospital

| | |
|-------------------------------------|-----------------|
| 1. Certificate and Poor Box Charity | Rs. 31,519.00 |
| 2. X-ray (Donation) | Rs. 5,39,060.00 |
| 3. Donations | Rs. 34,086.05 |
| 4. E. C. G. (Donation) | Rs. 40,280.00 |

Highlights (Comparison between 1986-87)

No of inpatients has increased from 27,921 to 28,697. Daily average inpatients has increased from 502 to 459. Total Indoor attendance has increased from 1,83,212 to 1,67,570. The O. P. D. attendance (New) including Casualty has increased from 1,45,197 to 1,58,228. The daily O. P. D. Average of new patients has increased from 472 to 522. The No of operations has increased from 14,664 to 15,626. Total expenditure has increased from 2,50,23,861 to 2,93,05,295.

Certain good things recently done in Rajawadi Hospital :

1. The Medical superintendent of the hospital visits the I. C. C. Unit twice a week and moves from bed to bed to enquire of the patients admitted therein.
2. The Assistant Medical Officers of the hospital on duty are assigned to visit wards during the visiting hours between 4.30 p.m. to 6.30 p.m. to ensure dialogue between the administration and the ailing patients and his relatives. Patience hearing is given to their complaints and/or suggestions if needed, corrective steps are taken to give them a relief/satisfaction which helps to bridge the communication gap.
3. Colour boards at the entrance of the Administrative Bldg. are exhibited indicating the names, replacement and the location of the M. O. and the A. M. O. on duty. The plates painted in red colour indicates the Medical Staff on routine duty whereas a white colour indicates the staff on Emergency duty. This effects easy locations, facilitates the relatives of the patients to locate, talk and touch the Medical Staff to ventilate their grievances or feelings.
4. The Medico social worker attached to the ante Natal Clinic during the session utilizes the waiting timing of patients to educate the expectant mothers to stitch baby frocks, shorts for use for their own newly born babies by supplying condemned linen from the hospital.
5. Boards indicating Telephone Nos. of Police, Ambulance, Fire Brigade services and other hospitals as also the fees charged at the hospital have been displayed at various points clearly.
6. The Left and Right foot impression of the newly born baby and the left thumb impression of the mother is taken immediately in the Labour Ward on a plain paper and attached with Indoor case paper to avoid exchange of babies.
7. Following rules have been framed for supply of blood to the needy patients at the hospital :
 - i) Free blood supply is given to the Donor.
 - ii) Rs. 30/— are charged as service charges for supply of blood on production of the close relatives 'Donor Card'.
 - iii) Rs. 80/— are levied as service charges when the blood is supplied on replacement basis.
 - iv) Rs. 200/— are charged in all other cases.
8. Use of colour indicators — Different colours are applied for different specialities of Medical Branches on the front portion at the entrance of the Ward which facilitates patients relative to identify the wards easily.
9. The name board of the members of the Public Health Committee is also exhibited in the Hospital which is helpful to the persons in case of need and help from the members.

DEFICIENCIES AND SHORTCOMINGS.

Out—patient departments : Existing O. P. Ds. are not well ventilated and becomes very hot and stuffy in summer due to asbestos roof and leak heavily during monsoons.

There is proposal to shift the 'N' Ward Stores which is at present in the compound of Rajawadi Hospital to other premises so that area which is ear-marked for O. P. D. building can be used for the same. The expansion plan of Rajawadi Hospital, especially its O. P. D. is closely linked to the shifting of the 'N' Ward stores.

R. M. Os. Quarters.

The R. M. Os. quarters are at present housed in the quarters which were occupied by the Labour Staff. The Guining work of the quarters is progress.

The need for the new R. M. Os. quarters is very urgent. The house officers which are required to be appointed to fulfill the M. C. I. S. requirement for completion of staff pattern of one unit cannot be met due to the lack of accomodation for the R. M. Os.

FUTURE DEVELOPMENT

1. A trauma Unit having 6 beds is being set up next to the Casualty. Proposal for staff, furniture and equipment is being finalised. This trauma unit will be manned by Doctors round the clock.
2. A proposal for starting a Psychiatric Ward is approved next to the I. C. C. Unit. Proposal for staff, furniture and equipment is being finalised.
3. Setting up an Eye Bank is administratively approved and necessary detail proposals for procurement of staff, furniture, material is in process.
4. Starting a Paediatric Intensive Care Unit and a Premature Baby Care Unit is in process.
5. A proposal to establish a Cancer detection centre at this hospital is under process.
6. The Government of Maharashtra has sanctioned a post-partum centre at this hospital from the year February 1988 vide No. GR No. FFB/4686/195/CR-18/FW—II of 25-1-1988.

Medical Supdt.
Rajawadi Hospital
Ghatkopar

APPENDIX No. I**Distribution of beds according to Departments and Sex.**

| DEPARTMENT | MALE | FEMALE | CHILDREN | TOTAL |
|---------------------------------|------------|------------|-----------|------------|
| MEDICAL | 34 | 35 | — | 69 |
| SURGICAL | 58 | 21 | — | 79 |
| BURNS | — | 12 | — | 12 |
| GYNAECOLOGY | — | 54 | — | 54 |
| OBSTETRICS (ANC, PNC, L. W.) | — | 128 | — | 128 |
| PEADIATRICS | — | — | 72 | 72 |
| OPHTHALMIC | 20 | 13 | — | 33 |
| E. N. T. | 16 | 15 | — | 31 |
| SKIN & V. D. | 10 | 10 | — | 20 |
| ORTHOPAEDICS | 19 | 20 | — | 39 |
| M.I.C.U. & I.C.C.U. | 7 | 4 | — | 11 |
| PEAD. SURG. | — | — | 6 | 6 |
| CASUALTY | 3 | 3 | — | 6 |
| SIDE ROOM | | | | |
| Medical | 4 | 2 | — | |
| Surgical | 2 | — | — | |
| Obstetrics (PNC) | — | 2 | — | 18 |
| Gynaec | — | 2 | — | |
| Orthopaedics | 1 | 1 | — | |
| Paediatrics | — | — | 4 | |
| TOTAL | 174 | 322 | 82 | 578 |

APPENDIX No. II**No. of accident cases treated.**

| SEX | TREATED IN CASUALTY DEPARTMENT 1987 | ADMITTED THROUGH CASUALTY DEPARTMENT 1987. |
|-----------------|--|--|
| MALE | 9948 | 2403 |
| FEMALE | 4780 | 1394 |
| CHILDREN (MALE) | 2244 | 468 |
| (FEMALE) | 1694 | 361 |
| TOTAL | 18666 | 4626 |

APPENDIX - III

Statement showing the Out-Patients (New O. P. D. Casualty) attendance in Rajawadi Hospital during the year 1987 and classification according to the department, sex and age.

| DEPARTMENT | O. P. D. NEW CASES | | | | | CASUALTY CASES | | | | |
|---------------|--------------------|--------------|--------------|--------------|--------------|----------------|--------------|-------------|-------------|--------------|
| | Male | Female | M/ch | F/ch | Total | Male | Female | M/ch | F/ch | Total |
| Medical | 7095 | 6654 | — | — | 13749 | 9124 | 5293 | 8 | 4 | 14429 |
| Surgical | 4381 | 2041 | 897 | 614 | 7933 | 13733 | 5186 | 2440 | 1363 | 22722 |
| Orthopaedic | 2151 | 1497 | 602 | 420 | 4670 | 2918 | 1194 | 820 | 421 | 5453 |
| Ophthalmic | 02124 | 1756 | 319 | 254 | 4453 | 887 | 499 | 166 | 096 | 1648 |
| Gynaec | — | 5091 | — | — | 5091 | — | 4365 | — | — | 4365 |
| Dental | 1199 | 1219 | 314 | 212 | 2944 | 438 | 254 | 114 | 51 | 857 |
| Skin and V.D. | 3183 | 1817 | 1036 | 848 | 6884 | 756 | 312 | 302 | 94 | 1365 |
| E. N. T. | 1135 | 1127 | 575 | 454 | 3290 | 1740 | 807 | 619 | 358 | 3524 |
| Psychiatric | 433 | 410 | 3 | 2 | 848 | — | — | — | — | — |
| Pediatric | — | — | 6757 | 5382 | 12139 | — | — | 3881 | 2697 | 6578 |
| Maternity | — | 6831 | — | — | 6831 | — | — | — | — | — |
| Anti-rabic | — | — | — | — | — | 974 | 428 | 499 | 160 | 2061 |
| T. B. | 278 | 108 | 4 | 2 | 392 | — | — | — | — | — |
| B. M. E. | — | — | — | — | — | 2186 | 1207 | 661 | 341 | 4395 |
| Triple Polio | — | — | 7977 | 6517 | 14494 | — | — | — | — | — |
| Ped. Surgery | — | — | 65 | 46 | 111 | — | — | 20 | 6 | 26 |
| B. C. G. | — | — | 3557 | 3319 | 6876 | — | — | — | — | — |
| TOTAL | 21979 | 28551 | 22106 | 18069 | 90705 | 32756 | 19545 | 9531 | 5591 | 67423 |

APPENDIX IV

Summary of in-patients classified according to Departments and Sex.

| Department & Sex | In the hospital on the midnight 31-12-86 | Admitted during the year 1987 | Total | Discharged | | Death | Remaining in the hospital on the midnight 31-12-87 |
|-------------------------|--|-------------------------------|-------------|-------------|-------------|------------|--|
| | | | | Cured | Otherwise | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| MEDICAL | | | | | | | |
| Male | 40 | 2961 | 3001 | 2200 | 548 | 226 | 27 |
| Female | 23 | 2018 | 2041 | 1441 | 460 | 117 | 23 |
| Total | 63 | 4979 | 5042 | 3641 | 1008 | 343 | 50 |
| SURGICAL | | | | | | | |
| Male | 55 | 3122 | 3177 | 2257 | 749 | 84 | 42 |
| Female | 22 | 1411 | 1433 | 1024 | 356 | 37 | 16 |
| M/ch | 7 | 426 | 433 | 316 | 108 | — | 9 |
| F/ch | — | 209 | 209 | 157 | 51 | — | 1 |
| Total | 84 | 5168 | 5252 | 3754 | 1309 | 121 | 68 |
| OPHTHALMIC | | | | | | | |
| Male | 16 | 486 | 502 | 410 | 76 | — | 16 |
| Female | 4 | 328 | 332 | 290 | 30 | 1 | 11 |
| M/ch | 1 | 23 | 24 | 20 | 3 | — | 1 |
| F/ch | 1 | 18 | 19 | 16 | 2 | — | 1 |
| Total | 22 | 855 | 877 | 736 | 111 | 1 | 29 |
| GYNAEC | | | | | | | |
| Female | 32 | 2016 | 2048 | 2000 | 6 | 4 | 38 |
| F/child | — | — | — | — | — | — | — |
| Total | 32 | 2016 | 2048 | 2000 | 6 | 4 | 38 |
| SKIN & V. D. | | | | | | | |
| Male | 11 | 585 | 596 | 490 | 98 | — | 8 |
| Female | 1 | 255 | 256 | 200 | 54 | — | 2 |
| M/ch | 2 | 1 | 3 | 2 | — | — | 1 |
| F/ch | — | — | — | — | — | — | — |
| Total | 14 | 841 | 855 | 692 | 152 | — | 11 |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------------------|---|------------|--------------|--------------|--------------|-------------|-------------|------------|
| M. I. C. U. | | | | | | | | |
| Male | | 5 | 585 | 590 | 560 | 31 | 196 | 3 |
| Female | | 1 | 255 | 256 | 180 | 1 | 75 | — |
| M/ch | | — | 1 | 1 | 1 | — | — | — |
| F/ch | | — | — | — | — | — | — | — |
| Total | | 6 | 841 | 847 | 541 | 32 | 271 | 3 |
| ORTHOPAEDIC | | | | | | | | |
| Male | | 32 | 1082 | 1114 | 369 | 698 | 16 | 31 |
| Female | | 18 | 551 | 569 | 200 | 338 | 16 | 15 |
| M/ch | | 1 | 148 | 147 | 52 | 90 | — | 5 |
| F/ch | | 6 | 97 | 103 | 36 | 64 | — | 3 |
| Total | | 57 | 1876 | 1933 | 657 | 1190 | 32 | 54 |
| E. N. T. | | | | | | | | |
| Male | | 1 | 349 | 350 | 309 | 30 | 4 | 7 |
| Female | | — | 382 | 382 | 287 | 82 | 5 | 8 |
| M/ch | | — | 95 | 95 | 73 | 20 | — | 2 |
| F/ch | | 2 | 121 | 123 | 106 | 12 | — | 5 |
| Total | | 3 | 947 | 950 | 775 | 144 | 9 | 22 |
| BURNS (SURGICAL) | | | | | | | | |
| Male | | 4 | 99 | 103 | 40 | 6 | 53 | 4 |
| Female | | 7 | 392 | 399 | 20 | 139 | 234 | 6 |
| M/child | | 1 | 37 | 38 | 35 | 1 | — | 2 |
| F/child | | 2 | 34 | 36 | 30 | — | 5 | 1 |
| Total | | 14 | 582 | 576 | 125 | 146 | 292 | 13 |
| MATERNITY. | | | | | | | | |
| Female | | 90 | 6907 | 6997 | 6917 | — | 16 | 64 |
| Total | | 90 | 6907 | 6997 | 6917 | — | 16 | 64 |
| PAEDIATRIC | | | | | | | | |
| M/child | | 14 | 1846 | 1860 | 1200 | 461 | 180 | 19 |
| F/child | | 19 | 1441 | 1460 | 1100 | 139 | 206 | 15 |
| Total | | 33 | 3287 | 3320 | 2300 | 600 | 386 | 34 |
| GRAND TOTAL | | 418 | 28279 | 28697 | 22138 | 4698 | 1475 | 386 |

APPENDIX - V

Cost per in-patient and out-patient per day (1987)

| Year | Establishment | Contingence | Drugs and Medicines | Diet | Stores and Linen | Repairs Maintenances special Repairs New works | Total |
|---------------------|---------------|-------------|---------------------|------|------------------|--|-------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| IN-PATIENTS | | | | | | | |
| 1987 | 62.25 | 7.69 | 16.78 | 3.76 | 4.14 | 1.10 | 95.72 |
| OUT-PATIENTS | | | | | | | |
| 1987 | 2.04 | 0.25 | 0.69 | — | 0.13 | 0.05 | 3.14 |

APPENDIX—VI

DEPARTMENT OF PATHOLOGY

1. BACTERIOLOGY AND SEROLOGY

(Yearly workload of 1987)

| | | | |
|-----------------------------|-------|-------------------------|-------|
| Gram Stain | 1714 | A. F. C. Stain | 624 |
| Albert Stain | 272 | Clot culture | 218 |
| Pus Culture | 330 | Urine culture | 1027 |
| Sputum Culture | 163 | C. S. F. culture | 859 |
| Stool Culture | 127 | Throat swab | 47 |
| Eye swab | 114 | Ear swab | 33 |
| Antibiotic sensitivity test | 1146 | Urethral smear | 28 |
| Biochemical test | 1146 | Pleural fluid Culture | 154 |
| Peritoneal fluid culture | 110 | Asitic fluid culture | — |
| Vaginal fluid swab culture | 13 | Hydrocele fluid culture | — |
| Sinereal fluid culture | — | Umbilical sqabs | 7 |
| Bronchial aspiration | — | Nasal Swabs | — |
| Pharyngeal swabs | — | Miscellaneous | 68 |
| O. T. Sterility (swab) | 1715 | Blood V. D. R. L. | 11834 |
| C.S.F. | 11834 | Blood Band VDRL | 1310 |
| Blood Widal | 473 | Blood Paul Bannel | — |
| R. A. Test | 324 | Pregnancy Test | 378 |
| Fungus Culture | 28 | | |

2. HISTOPATHOLOGY (Yearly work load)

| | |
|--|------|
| 1. Total No. of Tissues received | 2409 |
| 2. Total No. of Tissues received from other Hospital (Municipal) | 310 |
| 3. Total No. of Block prepared | 4498 |
| 4. Total No. of slides stain. | 4571 |
| 5. Total No. of Cytology samples | 337 |
| 6. Total No. of cytology slides stain. | 790 |

3. Investigation carried out on School Clinic children.

| | | | |
|--------|------|--------|------|
| Hb | 2058 | BT | 785 |
| TC | 1708 | CT | 770 |
| DC | 1708 | Urine | 1614 |
| E.S.R. | 3280 | Stool | 608 |
| | | Sputum | 161 |

4. HAEMATOLOGY DEPARTMENT (Yearly workload)

| | |
|--------------------|------|
| Haemoglobin | 7324 |
| Total Count | 7324 |
| Diff Count | 7324 |
| E. S. R. | 5568 |
| P. C. V. | 2207 |
| Complete Haemogram | 1926 |
| Haemoglobin | 1930 |
| Total Count | 1334 |
| Diff Count | 1947 |
| P. C. V. | 1930 |
| Retic Count | 1999 |
| Plate let count | 1949 |
| Osmotic fragility | 9 |
| Bone marrow | 26 |
| Sickle cell Test | 11 |
| LE Cell Test | 33 |
| R. B. C. Count | 1930 |

9. **BIOCHEMISTRY SECTION (Yearly work load)**

| | |
|--------------------------------|-------|
| 1. Blood Glucose | 21493 |
| 2. Blood Urea Nitrogen | 11625 |
| 3. Serum Creatinine | 10456 |
| 4. Serum Uric Acid | 764 |
| 5. Serum Cholesterol | 4197 |
| 6. Serum HDL Cholesterol | 1121 |
| 7. Serum Total Protein | 6150 |
| 8. Serum Albumin | 6150 |
| 9. Serum Total Bilirubin | 5550 |
| 10. Serum Direct Bilirubin | 5550 |
| 11. S. G. O. T. | 8931 |
| 12. S. G. P. T. | 8931 |
| 13. Serum Amylase | 174 |
| 14. Serum Calcium | 586 |
| 15. Serum Alkaline Phosphatase | 2103 |
| 16. Prothrombin Time | 165 |
| 17. Prothrombin Index | 165 |
| 18. Serum Electrolyte Na | 5703 |
| 19. Serum Electrolyte K | 5703 |
| 20. Gas Analysis | 14 |
| 21. Triglycerides | 44 |
| 22. L. D. H. | 11 |
| 23. C. P. K. | 09 |
| 24. Electrophoresis | 8 |
| 25. Glycosylated Haemoglobin | 03 |

6. **BLOOD BANK SECTION (Yearly work load)**

| | |
|--|------|
| 1. Voluntary Donor | 1007 |
| 2. Replacement Donors | 686 |
| 3. From other Hospitals | 297 |
| 4. Blood used for Rajawadi Hospital. | 1366 |
| 5. Blood bottles given to other Hospitals. | 310 |
| 6. Given to Haffkine Institute | 160 |
| 7. Discarded Blood Bottles | 158 |

APPENDIX — VII**Workload of Audiology and Speech Therapy**

| | |
|------------------------------|-----|
| 1. Total No. of Audiograms | 642 |
| 2. Total No. of speech cases | 57 |

TYPE OF SPEECH CASES

| | |
|---------------------------------|----|
| 1. Aphasia | 6 |
| 2. Mental Retardation | 6 |
| 3. Dyslalia | 10 |
| 4. Hard of Hearing | 4 |
| 5. Delayed speech and language. | 1 |
| 6. Voice disorders | 14 |
| 7. Stammering | 12 |
| 8. Dysarthria | 4 |

APPENDIX—VII**PHARMACY SECTION**

| | |
|---|-------------|
| 1. Quantity of stock solution preparation. | 4000 Ltrs. |
| 2. Number of packets of tablets made. | 453600 |
| 3. Number of packets of powder prepared. | — |
| 4. Special prescription. | — |
| 5. Prescription where special drug is issued and account is kept. | — |
| 6. No. of Og O. P. D. prescription account kept. | 115000 |
| 7. Syrup Samples. | — |
| 8. Stock mixture prepared. | 12000 Ltrs. |
| 9. Ointment prepared. | 175 Kgs. |
| 10. Lotion prepared. | 4860 |

Electro-cardiogram Section

Indoor Patients.
O. P. D. Patients.

4155
3071

7226

APPENDIX — VIII
DEATH REPORT FOR THE YEAR 1987
DEPARTMENT WISE STATISTICS

| DEPARTMENT | MALE | FEMALE | MALE CHILD | FEMALE CHILD | TOTAL |
|--------------|------------|------------|------------|--------------|-------------|
| MEDICAL | 226 | 117 | — | — | 343 |
| SURGICAL | 84 | 37 | — | — | 121 |
| BURN | 53 | 255 | — | 5 | 293 |
| M. I. C. U. | 196 | 75 | — | — | 271 |
| LABOUR WARD | — | 16 | — | — | 16 |
| GYNAEC. | — | 4 | — | — | 4 |
| E. N. T. | 4 | 5 | — | — | 9 |
| ORTHOPAEDIC | 12 | 16 | — | — | 28 |
| PAEDIATRIC | — | — | 180 | 206 | 386 |
| OPHTHALMIC | — | 1 | — | — | 1 |
| SKIN & V. D. | — | — | — | — | — |
| PED. SURGERY | — | — | 2 | 1 | 3 |
| TOTAL | 575 | 506 | 182 | 212 | 1475 |

APPENDIX—IX

DEPARTMENT-WISE OPERATIVE WORK DURING 1987

| Department | Major | Minor | Total |
|--------------|-------------|--------------|--------------|
| Orthopaedic | 556 | 6622 | 7178 |
| Ophthalmic | 510 | 470 | 980 |
| E. N. T. | 215 | 484 | 699 |
| Surgical | 554 | 1338 | 1892 |
| Gynaec | 721 | 1279 | 2000 |
| Minor O. T. | — | 2877 | 2877 |
| Total | 2556 | 13070 | 15626 |

K. B. BHABHA HOSPITAL, BANDRA,

ADMINISTRATIVE REPORT FOR THE YEAR OF 1987.

This Hospital Continued to render Medical Relief services to the sick and needy people in this vicinity of 'H' Ward area. Dr. (Smt.) P. S. Paralkar, M. D. D. G. O. held the post of Medical Superintendent during the year. The report for the year 1987 is as under :—

HIGHLIGHT :

I. EXPENDITURE

| | | | |
|-----|----|----------------------|-----------------|
| (A) | 1. | On Inpatients | Rs. 62,47,350/- |
| | 2. | On Outpts. | Rs. 61,17,300/- |
| (B) | 1. | On Inpts. | Rs. 109.50 |
| | 2. | On Outpts. (Per day) | Rs. 8.75 |

II. RESULTS—INPATIENTS

| | | |
|----|--|--------|
| 1. | Schedule Bed Streignth. | 400 |
| 2. | Daily Average Inpts. | 310 |
| 3. | Admission including these brought over from Previous year. | 14,235 |
| 4. | Discharges As :— | |
| | (i) Relived | 181 |
| | (ii) As cured | 13,088 |
| | (iii) Other-Wise | 166 |
| | (iv) Expire | 360 |
| | (v) Remained in the Hops., on the last day of the year. | 235 |
| | (vi) Daily Average No. of Admission | 42 |
| | (vii) Average stay of Inpatients | 9 Days |
| | (viii) Highest No. of Inpts. in a day. | 345 |
| | (xi) Highest No. of Admission in a single day. | 73 |

(B) OUT-PATIENTS

| | | |
|----|---|----------|
| 1. | New Out-Patients attendance | 1,76,801 |
| 2. | Old Out-Patients attendance | 5,92,650 |
| 3. | Daily Average No. Outpatients | 2,550 |
| 4. | Highest O.P.D. attendance in a single day | 3,729 |
| 5. | No. of Casualty attendance | 34,157 |

(C) OPERATION :—

| | | |
|----|---------------------|--------|
| 1. | MAJOR OPERATION | 1,253 |
| 2. | MINOR OPERATION | 16,083 |
| 3. | IMERGENCY OPERATION | 183 |

(D) CONFINEMENTS :—

| | | |
|----|----------------------|-------|
| 1. | Booked Cases | 5,673 |
| 2. | Emergency Cases | 146 |
| 3. | Normal Cases | 4,147 |
| 4. | Abnormal Cases | 185 |
| 5. | Left-before delivery | 56 |

(E) ENO—NATAL AND NATURAL DEATHS :

| | | |
|----|-----------------------------|-----|
| 1. | Maternal Death | 14 |
| 2. | Neo-Natal Deaths | 50 |
| 3. | Still Birth | 125 |
| 4. | Premature live born Infants | 246 |

(F) SPECIALISED TREATMENT

| | | |
|----|---|-----|
| 1. | Sterilisation Male | 22 |
| 2. | Sterilisation Female | 318 |
| 3. | I.U.C.D.-Insertion | 400 |
| 4. | M. T. P. | 213 |
| 5. | Disease-wise distribution of cases treated and deaths including tuberculosis and S.T.D. of all forms. | |

ENCLOSED IN APPENDIX

I II III

THIS HOSPITAL CONDUCTS THE FOLLOWING DEPARTMENTS

1. Medical (Including E. C. G. Facilities).
2. Surgical (Including Minor Surgery, M. O. T.).
3. Paediatric
4. Gynaecology and obstetrics
5. Anti-Natal Clinics (A.N.C.)
6. Post-Natal Clinics (P.N.C.)
7. E. N. T.
8. Skin and S. T. D.
9. Ophthalmic
10. Occupational Therapy and Physic Therapy (O.T.P.T.)
11. Pathological Laboratory
12. Dental
13. Blood Bank
14. Family Planning Centre
15. Municipal Staff Dispensary
(Evening from 6.00 p.m. to 8.00 p.m.)
16. Anti-Rabic Threatment Clinics (A.R.V.)
17. Issue and authentication centre of Internation Health
Certificates and innoculational centre.
18. Immunization Centre if B.C.G., Polio, and Triple
19. Speech Therapy and Audiology
20. Food Hendling Scheme
21. Mobile Dispensaries
22. Municipal Medical Examination (MME and LMME)
23. Casualty
24. Inservice training programme for Medical, Para-Medical and Laboure Staff.
25. E. C. G. Department.
26. X-ray Department
27. Orthopaedic.
28. I. C. C. U. and ICU.
29. Psychiatry and Drugs Adictions
30. Premature baby Units
31. Paying Beds
32. Septic Wards.

LIST OF THE MEDICAL OFFICER

| NAME OF THE MEDICAL OFFICER | DESIGNATION |
|------------------------------|------------------------|
| Dr. (Smt.) P. S. PARALKAR | MEDICAL SUPERINTENDENT |
| Dr. (Smt.) P. K. BHOJWANI | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) S. R. PANJWANI | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) S. R. SHANBAGH | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) M. K. SADARANGANI | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) M. M. FURTADO | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) S. K. MENGLE | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) M. A. RASQUINHA | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) S. M. KULKARNI | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) K. V. PRASAD | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) P. V. MULCHANDANI | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) S. S. KUKREJA | ASSTT. MEDICAL OFFICER |
| Dr. (Smt.) S. S. CHIRMULE | ASSTT. MEDICAL OFFICER |
| Dr. B. C. PAI | ASSTT. MEDICAL OFFICER |
| Dr. DEEPAK SHARMA | ASSTT. MEDICAL OFFICER |
| Dr. M. H. ADWANI | ASSTT. MEDICAL OFFICER |
| Dr. S. P. SONAWANE | ASSTT. MEDICAL OFFICER |
| Dr. M. A. BUDHKAR | ASSTT. MEDICAL OFFICER |
| Dr. PANJABI | ASSTT. MEDICAL OFFICER |
| Dr. BARUCH | ASSTT. MEDICAL OFFICER |
| Dr. NILIMA BREGANZA | ASSTT. MEDICAL OFFICER |

LIST OF HONARARIES AND HON. ASSISTANT

| NAME OF THE DOCTOR'S | UNITS | WORKING AS A |
|--|----------------------|---|
| Dr. (Smt.) P. S. PARALKAR (M.D.D.C.O.) | GYNAC AND OBSTETRICS | FULL-TIME GYNANCOLOGIST |
| Dr. (Smt.) A. M. JOSHI (M.D.D.C.O.) | —" | HON. ASST. GYNANCOLOGIST |
| Dr. SHRIKANT PURANDARE (M.D.D.C.O.) | —" | HON. ASST. GYNANCOLOGIST. |
| Dr. M. K. JOSHI (M.D.D.C.H.) | PAEDIATRIC | HON. PAEDIATRICIAN |
| Dr. (Smt.) S. S. WAGH (M.D.D.C.H.) | —" | ASST. HON. PAEDIATRICIAN |
| Dr. A. R. BHIDE (M.D.) | —" | ASST. HON. PADIATRICIAN |
| Dr. ULHAS NADKARNI [M.D.(BOM.)F.I.C.A.(U.S.A.)] | MEDICINE | ASST. HON. PHYSICIAN |
| Dr. P. H. BALLANI [M.D.(BOM.)] | —" | ASST. HON. PHYSICIAN |
| Dr. J. B. SHAH (M.S.) | SURGICAL | ASST. HON. SURGEON |
| Dr. T. SATYENDRA [M.S. (BOM.)] | SURGICAL | ASST. HON. SURGEON |
| Dr. N. S. V. CHARI (M.D.D.U. & D.) | SKIN & S.T.D. | ASST. HON. SKIN AND S.T.D. |
| Dr. HEMANT K. SHEODE [M.S.(E.N.T.)] | E.N.T. | ASST. HON. E.N.T. SURGEON |
| Dr. A. S. PRABHU [M.S.(OPHT.)] | OPTHELMIC | ASST. HON. OPTH. SURGEON (PART-TIME) |
| Dr. VASANT SHEVALE (M.D.S.) | DENTAL | ASST. HON. DENTIST |
| Dr. (Smt.) L. H. BUTANI (B.D.S.) | DENTAL | ASST. HON. DENTAL SURGEON. |
| Dr. A. S. GOKHALE (M.D.S.) | DENTAL | PART-TIME DENTIST. |
| Dr. C. J. THAKKAR [M.S. (ORTHO.)] | DENTAL | ASST. HON. ORTHOPAEDICS |

IMMUNIZATION WORK DONE DURING 1987 IS AS UNDER

| Immunization | 1st Dose | 2nd Dose | 3rd Dose | 4th Dose | 5th Dose | Booster |
|----------------------------|----------|----------|----------|----------|----------|---------|
| 1. Triple Vaccination | 1728 | 1467 | 990 | — | — | 849 |
| 2. Polio Vaccination | 1727 | 1496 | 999 | 632 | 512 | 852 |
| 3. Tetanus Toxide (A.N.C.) | 5140 | 2693 | 1197 | — | — | — |

| | |
|--|---------|
| O. P. D. T. T. | 16,236 |
| New Born Baby given B.C.G. | — Nil — |
| O. P. D. Under 1 to 14 years Child given B. C. G. | 5,557 |
| Anti-Cholera | 3,723 |
| T. A. B. | 1,124 |
| Dinucakart visit by two Health visitors (Excluding family planning) | 3,287 |
| Family Planning Visits | 2,116 |
| Well Baby clinics (Supply of Milk etc.) | — Nil — |

SUMMARY OF ATTENDANCE OF PATIENTS

| | |
|--|----------|
| O. P. D. total attendance | 5,92,650 |
| Casualty total attendance | 34,157 |
| Total Admission | 14,235 |
| New Born Babies | |
| Male 2,589 | |
| Female 2,007 | 4,596 |
| MUNICIPAL STAFF DISPENSARY | |
| New Cases | 3,157 |
| Old Cases | 4,932 |
| Total Cases | 8,089 |
| A.R.V. CASES TREATED DURING THE YEAR OF 1987. | |
| New Cases | 3,472 |
| Total Cases | 19,118 |
| MEDICO-LEGAL WORK | |
| Type of Medico Legal cases registered during the year. | |

| Average No. of Cases registered per day | Accident | Homicide | Suicide | Others | Total |
|---|----------|----------|---------|--------|--------|
| 30 | 8,395 | 972 | 190 | 1,184 | 10,741 |

Type of Medico-Legal work done during the year.

1. Consumption of Poisoning drugs, etc.
2. Minor and Major Injurious.
3. Assault Injuries.
4. Vehicular Injuries
5. Burn Cases
6. Food Poisoning Cases,
7. Unconscious and Unmarried delivery cases.

FOOD HANDLING SCHEME

This Hospital Conduct Food Handling Programme to check Hotel and Canteen Workers.

No. of Patients attend Food Handling Scheme Department during the year of 1987.

2,373

MUNICIPAL MEDICAL EXAMINATION

No. of Patients attended Municipal Medical Examination during the year of 1987.

Male Medical Examination (New)

3,127

Male Medical Examination (Old)

7,454

LADY MUNICIPAL MEDICAL EXAMINATION

Lady Municipal Medical Examination (New)

932

Lady Municipal Medical Examination (Old)

2,195

Total No. of Municipal Medical Examination attendance

13,799

MOBILE DISPENSARY ATTENDANCE

Mobile Dispensary No. 1 (m.v. No. 1)

14,349

Mobile Dispensary (m.v. No. 2)

8,674

Blood Bottles were collected and used as under :—

1. Total No. of Blood Bottles collected 1,240
2. No. of Voluntary Donors 896
3. No. of Replacement Donors 376
4. Brought from other Hospital 343
5. Bottles for the Hospital 926
6. Bottle send to other Hospital 751
7. Bottle send for Plasma 153
8. Bottles Discharged 68

The relative of the patients were motivated to donate blood. Various social or ganisation were approved for organisation campaigns of Blood Donation. The Following organisation arranged the blood donation drives for the Hospital.

1. S. S. Society, Kherwadi.
2. St. Peter's Church.
3. National Congress.
4. Bhartiya Janta Yuva Morcha.
5. Mahim Taluke Youth Congress.
7. Khandiwadi Youth Congress.
8. Office of the Civil Defence Corpn.
9. Kherwadi Youth Congress

10. M. I. G. Cricket Club.
11. Youth Congress (I), Bandra.
12. St. Teresa Church, Bandra.
13. National College Camps.
14. Kherwadi Janmorcha Puskrut.

RADIOLOGY

The work done during the year is as under :—

| INVESTIGATION | INDOOR PATIENTS | OUTDOOR PATIENTS |
|-----------------------------|-----------------|------------------|
| 1. Barium Meel Stomachogram | 79 | 135 |
| 2. Barium Enema | 16 | 9 |
| 3. Barium Swallow | 8 | 26 |
| 4. Oral Cholecystogram | 5 | 11 |
| 5. Uretrogram | 11 | 21 |
| 6. I. V. Pyelogram | 56 | 93 |
| 7. Hystero-lumbarography | 15 | 96 |
| | 190 | 481 |

Total No. of Patients X-Ray during the year of 1987.

(16,509).

**METROPOLITAN MAGISTRATE AND SESSION COURT CASES ATTENDED
A.M.O.'S AND C.M.O.'S DURING THE YEAR AS UNDER :—**

| | |
|---|-----|
| 1. Metropolitan Magistrate Court Cases. | 58 |
| 2. Session Court Cases. | 17 |
| 3. Coroners Court Cases. | Nil |
| 4. Vehicular Accident Claim Tribunal. | 1 |
| 5. Judicial Magistrate Court. | Nil |
| 6. A.C.P.'s Inquiries. | Nil |

Issues Injury Certificate for Police Department.

| | |
|---|-------|
| Issue Injury Certificate for Bandra, Nirmal Nagar, Mahim, Kherwadi, Santacruz, Vile—Parle, Matunga, Dadar Railway Police Stations. | 1,468 |
| No. of Private Injury Certificates Issued. | 63 |

Physic and Occupational Therapy.

| | |
|-------------------|--------|
| Indoor Patients: | 376 |
| Outdoor Patients. | 12,117 |
| Total. | 12,493 |

Audio and Speech Therapy.

| | |
|---------------|-------|
| Out Patients. | 1,118 |
|---------------|-------|

Nursing Sections.

During the year under reference number of nursing staff working at this Hospital as under :—

| | |
|--------------------|-----|
| Sr. Asstt. Matron. | 1 |
| Jr. Asstt. Matron. | 1 |
| Sister Incharge. | 19 |
| Full Trained. | 36 |
| Auxiliary. | 91 |
| Mid-Wives. | Nil |
| Health Visitors. | 2 |
| Total. | 150 |

Family Planning Clinics.

| | |
|---|--------|
| 1. No. Person contacted for F. P. Education. | 810 |
| 2. No. of Cases given advice. | 4,114 |
| 3. No. of active cases following F. P. advice. | 936 |
| 4. Clinical attendance. | 6,011 |
| 5. No. of persons. | 26,185 |
| 6. Vasectomy Done. | 22 |
| 7. Tubectomy Done. | 318 |
| 8. No. Cases of supplied pices of Nirodh. | 51,423 |
| 9. No. of Cases supplied contraceptive pills. | 871 |
| 10. No. of Cases M. T. P. Done during the year. | 400 |
| 11. No. of Cases supplied loop. | 495 |

ELECTRICAL CARDIOGRAM.**E. C. G. Diagnosis during the year of 1987 is as under :-**

| | |
|----------------------------|-----|
| 1. Chest Pain. | 820 |
| 2. I. H. D. | 955 |
| 3. Hypertension. | 189 |
| 4. Branchycardia. | 109 |
| 5. Breathleasness. | 176 |
| 6. Within Normal Limit. | 285 |
| 7. P. O. U. | 38 |
| 8. Anterior W. Ing. | 31 |
| 9. High B. P. | 275 |
| 10. R. B. B. H. | 56 |
| 11. Asthama. | 273 |
| 12. Myocardial Infraction. | 95 |
| 13. S. T. C. Changes. | 9 |
| 14. C. C. P. | 195 |
| 15. Low B. P. | 46 |
| 16. Diabeties. | 168 |
| 17. Anemia. | 192 |
| 18. Sinus Trechycardia. | 16 |

Total No. of E.C.G. taken during
the year of 1987 :

2,031

Pharmacy.

Pharmacetical preparation for Indoor and Outdoor patients were made during the year is as under :-

| | | |
|--|--------|----------|
| 1. No. of Peckets of Tablets made. | 14,000 | Pkts. |
| 2. Quantity of stock mixtures prepared. | 12,000 | Lts. |
| 3. Stock Mixture Preparation. | 15,000 | Lts. |
| 4. Oinment Preparation. | 780 | Kgs. |
| 5. Lotion Prepared Calamina. | 6,500 | Lts. |
| B. B. | 550 | Lts. |
| G. Violete. | 2,500 | Lts. |
| Acriflavin. | 1,950 | Lts. |
| Sodium Hyph. | 1,900 | Lts. |
| 6. No. of Packet powder. | | Nil |
| 7. No. of Preparation account kept. | | Nil |
| 8. No. of Preparation where special drugs issued and account kept. | 7,000 | Bottles. |

Pathology.

The Pathological report of the various test for the year is as under :-

| | |
|--------------------|--------|
| 1. Blood Routine. | 20,473 |
| 2. E. S. R. | 9,728 |
| 3. P. C. V. | 8,970 |
| 4. Urine Routine. | 19,133 |
| 5. Stool Routine. | 4,080 |
| 6. V. D. R. L. | 16,738 |
| 7. Widal. | 329 |
| 8. B. T. & C. T. | 1,432 |
| 9. Blood Grouping. | 12,147 |
| 10. Rh. O. D. | 12,147 |
| 11. X—Matching. | 549 |
| 12. Blood Sugar. | 9,713 |

| | |
|-------------------------|-------|
| 13. S. G. O. T. & P. T. | 815 |
| 14. C. S. F. | 709 |
| 15. Body Fluid. | 98 |
| 16. Sr. Protine. | 341 |
| 17. Sr. Billirubin. | 341 |
| 18. Sr. Great. | 2,288 |
| 19. Sr. Cholestoral. | 1,469 |
| 20. Electrolyte. | 1,093 |
| 21. P. T. P. I. | 670 |
| 22. Peripherical Smear. | 83 |
| 23. Semen. | 548 |
| 24. Sputum A. F. B. | 771 |
| 25. Gram Staining. | 107 |
| 26. Alkaline Phosphet. | 116 |
| 27. A. N. C. | 6,130 |
| 28. Histopath. | 1,069 |

F. B. Clinic.

Due to shortage of accomodation T. B. cases were treated in this Hospital in general O. P. D. Medical Jnit. The patient who were diagnosed were refered to the nereby Municipal Dispensary for further treatment. However strptomycin Injection were given in this Hospital to those patients who were residing in the vicinity of this Hospital.

Total No. of patients treated during the year 1987. 13,842

Ambulance Facilities :

One Ambulance van attached to this Hospital for round the clock services. The van was made available to the general patients of the scheduled rates.

Hearse Facilities :

One Hearse was provided to work in two shifts for removal of deed bodies from this Hospital. The same is made available for general public at the scheduled rates.

Mobile van Dispensaries :

Two mobile dispensaries van are attached to this Hospital the carter the needs of the people residing in slums where no Medical facilities are available.

Paying Bed Scheme :

The schame of paying bed have been introduced with effects from 7th November 1982. The patients give good response for this schame.

Opening of the New Expansion Building :

On 30th April 1987 this hospital opening new expansion building and bed strength are increased up to 400 beds.

Medical Superintendent,
K. B. Bhabha Hospital, Bandra. (W)

DISTRIBUTION OF BEDS.

| Sr. No. | Department | No. of beds in proposed expansion building. |
|---------|------------------------------|---|
| 1. | Medical | 48 |
| 2. | Surgical | 50 |
| 3. | Orthopaedic | 40 |
| 4. | Paediatric | 40 |
| 5. | Gynaec | 30 |
| 6. | Obstretrics | 42 |
| 7. | A. N. C. | 20 |
| 8. | Septic | 5 |
| 9. | Family Panning | 10 |
| 10. | Int. Obstretrics | 4 |
| 11. | I. C. U. (Gen.) | 10 |
| 12. | I. C. U. (Paediatrics) | 8 |
| 13. | Premature Baby Unit | 8 |
| 14. | Skin | 11 |
| 15. | Ophthalmic | 21 |
| 16. | E. N. T. | 20 |
| 17. | Psychiatry & Drug Addictione | 25 |
| 18. | Special Paying Beds | 8 |

APPENDIX — I

Summary of Indoor admission, discharge, deaths and last remaining according to departmental unit.

| Sr. No. | Department | Admission with last remaining | Discharge | Transfer to other Hospital | Deaths |
|---------|-------------|-------------------------------|-----------|----------------------------|--------|
| 1. | Medical | 2,420 | 2,113 | 58 | 140 |
| 2. | Surgical | 1,951 | 1,839 | 32 | 59 |
| 3. | Paediatric | 2,186 | 1,937 | 67 | 158 |
| 4. | Gynaecology | 968 | 831 | 2 | — |
| 5. | Maternity | 5,543 | 5,471 | 7 | 3 |
| 6. | E. N. T. | 526 | 520 | — | — |
| 7. | Ophthalmic | 521 | 518 | — | — |
| 8. | Skin | — | — | — | — |
| 9. | Orthopaedic | 120 | 118 | — | — |
| 10. | Casualty | — | — | — | — |
| Total : | | 14,232 | 13,397 | 166 | 360 |

Diseases wise Death during the year 1987.

Paediatric Unit.

| | | |
|-----|--------------------------------|----|
| 1. | Gastro Enteritis. | 8 |
| 2. | Brancho Pneumonia. | 31 |
| 3. | Pnumonia. | 16 |
| 4. | Broncheties. | 9 |
| 5. | Branchopnumonies with C. C. F. | 6 |
| 6. | Aspiration with Pneumonia. | 8 |
| 7. | Enciphalitis. | 7 |
| 8. | Tuber Culosis Meningities. | 13 |
| 9. | Branchotis with C. C. F. | 3 |
| 10. | Anemia. | 4 |
| 11. | Marasmus. | 3 |
| 12. | Cardio Respiratory Failed. | 18 |
| 13. | Septicemie. | 3 |
| 14. | Pyogenic Meningities. | 8 |
| 15. | Post Measules with C. C. C. F. | 2 |
| 16. | Prematurity. | 19 |
| 17. | Post Measules with C. C. F. | 1 |
| 18. | Encophalities. | 8 |
| 19. | Acute Nephirities. | 2 |
| 20. | Meningo Coccal Meningities. | 9 |

Medical Unit :

| | | |
|-----|--|----|
| 1. | Cardio Respiratory Failed. | 45 |
| 2. | Cerebro Vascular Accident. | 11 |
| 3. | Hyper Tension with C. C. F. | 18 |
| 4. | Anemia with c. c. f. with Hyper Tension. | 12 |
| 5. | Plum Koch's. | 4 |
| 6. | Ischemic Heart Disease. | 10 |
| 7. | C. C. F. with Koch's. | 7 |
| 8. | Gidness and Unconsious. | 6 |
| 9. | I. C. C. ever. | 2 |
| 10. | T. B. Meningities. | 16 |
| 11. | Amebic Colaties. | 1 |
| 12. | Nepatic Failure with Cirrhosis Failure. | 2 |
| 13. | Sever Anemia with General Debility. | 1 |
| 14. | Hepatic cellure Failure. | 1 |
| 15. | C. A. Stomach with Secondary Liver. | 1 |

Surgical Unit :

| | | |
|----|----------------------------------|----|
| 1. | Accident Injury. | 20 |
| 2. | Tissal Perforation. | 15 |
| 3. | Accute Hemmerges Panicrelifitis. | 12 |
| 4. | Post Operative Complication. | 9 |
| 5. | Sever Panitorities. | 2 |

| Sr. No. | Department. | O. P. D. Sexwise Departmental Attendance. | | | | | Casualty Sexwise Departmental Attendance. | | | | |
|---------|-----------------------------|--|----------|------------|--------------|----------|--|--------|------------|--------------|--------|
| | | Male | Female | Male Child | Female Child | Total | Male | Female | Male Child | Female Child | Total. |
| 1. | Medical. | 68,840 | 67,015 | ... | ... | 1,35,475 | 6,220 | 5,236 | ... | ... | 11,356 |
| 2. | Surgical. | 36,631 | 32,290 | 18,471 | 11,540 | 1,00,932 | 9,290 | 3,891 | 3,283 | 3,891 | 22,117 |
| 3. | Skin. | 26,249 | 27,432 | 15,563 | 19,119 | 88,363 | 12,313 | 7,140 | 4,598 | 3,484 | 27,135 |
| 4. | Paediatric. | ... | ... | 48,138 | 42,307 | 90,445 | ... | ... | 560 | 538 | 1,098 |
| 5. | A. R. V. | 9,036 | 5,129 | 3,107 | 2,598 | 19,870 | 1,366 | 803 | 149 | 173 | 2,491 |
| 6. | O. T. P. T. | 5,371 | 4,983 | 1,304 | 1,239 | 12,117 | ... | ... | ... | ... | ... |
| 7. | Gynaec. | ... | 14,243 | ... | ... | 14,243 | ... | 784 | ... | ... | 784 |
| 8. | A. N. C. | ... | 35,816 | ... | ... | 35,816 | ... | ... | ... | ... | ... |
| 9. | P. N. C. | ... | ... | 3,943 | 3,068 | 6,011 | ... | ... | ... | ... | ... |
| 10. | Dental. | 6,089 | 3,128 | 2,190 | 1,891 | 13,258 | 32 | 28 | 17 | 15 | 92 |
| 11. | E. N. T. | 10,354 | 6,812 | 9,873 | 8,201 | 34,610 | 134 | 98 | 119 | 114 | 465 |
| 12. | Ophthalmic. | 17,333 | 10,286 | 7,132 | 5,312 | 40,063 | 191 | 83 | 97 | 72 | 443 |
| 13. | Speech Therapy & Audiology. | 390 | 238 | 222 | 168 | 1,118 | ... | ... | ... | ... | ... |
| Total. | | 1,79,913 | 2,07,372 | 1,13,489 | 91,867 | 5,92,650 | 15,482 | 9,667 | 4,823 | 4,175 | 34,157 |

| | |
|----------------------|-----------------|
| O. P. D. Attendance. | 5,92,650 |
| Casualty Attendance. | 34,157 |
| Total | 6,26,807 |

Medical Superintendent,
K. B. Bhabha Hospital, Bandra (W)

DR. R. N. COOPER MUN. GEN. HOSP., JUHU.

In the year 1987—88, Dr. R. N. Cooper Municipal General Hospital, Juhu, has completed 17 years of rendering Medical relief to the ailing persons in the western suburbs of Bombay.

Medical Superintendent

Dr. (Smt.) S. K. Pershad, D. G. O. Medical Superintendent was transferred from Rajawadi Hospital to Dr. R. N. Cooper Municipal General Hospital, Juhu, from November 1984 and continued to hold the post throughout the year.

Assistant Medical Officer (Admn.)

Dr. (Smt.) A. S. Shrivastav, M.B.B.S., is appointed from 8th June 1987.

Assistant Medical Officers

- 1) Dr. (Smt.) H. A. Mangat, M. D., D. C. H., Assistant Medical Officer.
- 2) Dr. V. S. Bhalerao, M. B. B. S., Assistant Medical Officer.
- 3) Dr. M. U. Ragate, M. B. B. S. A. M. O.
- 4) Dr. A. K. Sahu, M. B. B. S. A. M. O.
- 5) Dr. R. R. Tripathi, M. B. B. S. A. M. O.
- 6) Dr. R. N. Dhyawarkonde, M. B. B. S. A. M. O.
- 7) Dr. S. B. Patgaonkar, M. B. B. S. A. M. O.
- 8) Dr. S. S. Mahire, M. B. S. S. A. M. O.
- 9) Dr. R. J. Shah, M. B. B. S. A. M. O.
- 10) Dr. S. J. Mehta, M. B. B. S. A. M. O.
- 11) Dr. G. B. Paintar, M. B. B. S. A. M. O.
- 12) Dr. S. B. Jain, M. B. B. S. A. M. O. (T. B. Clinic).

Medical Department

1. Dr. R. D. Darne, M. D. (Bom.), M. R. C. P. (U. K.), F. C. C. P. (U. S. A.). He is now holding the post of Honorary Physician (Cardiology).
2. Dr. N. R. Shetty, M. D., Assistant Honorary.
3. Dr. A. K. Joshi, M. D., Honorary.
4. Dr. J. S. Barve, M. D., Assistant Honorary.

Surgical Department.

1. Dr. D. K. Dastur, M. S. (Bom.) Honorary Surgeon.
2. Dr. S. R. Padhye, M. S., Assistant Honorary Surgeon.
3. Dr. M. M. Hindalekar, M. S., Assistant Honorary.
4. Dr. S. V. Shetty, M. A. M. S., M. S., Honorary.
5. Dr. A. C. Pinto, M. S., Assistant Honorary.

Plastic and Burns Department.

1. Dr. A. M. Rao, M. S. (Plastic) Assistant Honorary.

Obst. & Gynaecology Department

1. Dr. S. H. Shah, M. D. (Bom.) D. G. O. D. F. P., F. C. P. S., Honorary.
2. Dr. R. M. Sarogi, M. D., (Bom.), Hon. Asstt., M. D. F. C. P. S. D. G. O.
3. Dr. S. S. Palnitkar, M. D. (Bom.) D. G. O. F. C. P. S., M. R. C. O. G. (Lon.) Honorary.
4. Dr. A. G. Kale, M. D. (Bom.) D. F. P. F. C. P. S., Assistant Honorary.
5. Dr. S. D. Chaubal, M. D., D. G. O., D. F. R., Honorary.
6. Dr. S. J. Penkar, M. D., D. G. O., D. F. P., Associate Professor.

Paediatric Department.

1. Dr. G. S. Hathi, M. D. (Paed), D. C. H., Honorary.
2. Dr. (Smt.) S. Y. Joshi, M. D., D. C. H., Assistant Honorary.
3. Dr. P. N. Patnekar, M. D. (Paed.), D. C. H., Honorary.
4. Dr. V. S. Kulkarni, M. D., D. C. H., Assistant Honorary.

Orthopaedic Department.

1. Dr. R. N. Katre, M. S. (Ortho.) Honorary.
2. Dr. R. H. Pathak, M. S., Assistant Honorary.
3. Dr. A. J. Thakur, M. S. (Ortho.), F. C. P. S. (Ortho.) Honorary.
4. Dr. S. M. Karkhanis, M. S., Assistant Honorary.

Ear, Nose & Throat Department

1. Dr. P. P. Karnik, M. S. (Bom.) F. I. C. S. Head of the Unit.
2. Dr. S. P. Wagh, M. S., D. O. R. L. (E. N. T.) Hon. Asstt. Surgeon.
3. Dr. S. S. Joshi, M. S., D. O. R. L., Assistant Honorary.

Radiology Department.

1. Dr. L. M. Pancholia, M. D. (Radiology), D. M. R. E., Honorary.

Pathology Department

1. Dr. S. A. Nimbkar, D. D. D. F. E., Assistant Honorary.
2. Dr. F. P. Candes, Assistant Honorary.

Anaesthesia Department

1. Dr. U. V. Desai, M. D. (Bom.), Assistant Honorary.

Skin & V. D. Department.

1. Dr. M. W. Dhurandhar, M. B. D. V. D. F. C. P. S. F. C. A. I. F. A. C. A. (U. S. A.), D. T. M. H. (Lond.) Head of the Unit.
2. Dr. D. P. Deshpande, M. D., D. P. M., Honorary.

Psychiatric Department.

1. Dr. N. S. Vahia, M. D. (Bom.) F. R. C. Head of the Unit.
2. Dr. V. N. Vahia, M. D., D. P. M., Honorary.

Ophthalmic Department.

1. Dr. T. N. Ursekar, M. S., F. A. C. S.; Head of the Unit resigned from June 1987.
2. Dr. V. H. Gandhi, D. O. M. S., M. S., P. O. (Lond.), F. R. C. S. Honorary.
3. Dr. M. V. Patel, M. S., D. O. M. S., F. C. P. S. Asstt. Honorary.

Dental Department.

1. Dr. A. B. Shroff, B. D. S., Honorary Assistant.
2. Dr. V. C. Shroff, B. D. S., Honorary Assistant.
3. Dr. B. S. Shroff, M. D. S., Honorary Assistant.
4. Dr. N. B. Wadgama, B. D. S., Honorary Assistant.

Neonatology Department.

1. Neonatology clinic is started from 1-8-1978 and conducted by Dr. G. S. Hathi, Dr. P. N. Patnekar, (Paed.).

SPECIAL CLINICS**Family Planning Centre**

1. Dr. S. K. Sehgal, M. B. B. S. Full Time Medical Officer, for Family Welfare Centre.

Neurosurgery Department.

1. Neurosurgery O.P.D. is conducted with the help of Neurosurgery Department of K. E. M. Hospital on every Wednesday from 1 p. m. to 4 p. m.

T. B. Clinic.

1. The post is vacant since March 1987.

Nutrition clinic

1. Nutrition clinic is attached to paed. O.P.D. and works on every Friday from 9 a. m. to 4 p. m. It started functioning from February 1972.

Hansen's clinic

1. Hansen's clinic is managed by Acworth Leprosy Hospital, Wadala and is conducted on every Tuesday from 9 a.m. to 4 p. m.

Diabetic clinic

1. Diabetic clinic is conducted by Dr. A. K. Joshi, on every Thursday from 8 a. m. to 10 a. m.

School clinic.

1. School clinic department started from July 1973, Dr. P. R. Surekha, Honorary Assistant is appointed from 12-11-1980.

Lecturers :

1. Dr. S. V. Vaidya (Ortho.)
2. Dr. R. Narayan (Ortho.)
3. Dr. P. K. Parikh, M. S. (E. N. T.)
4. Dr. S. L. Nagvekar, M. S. (Ob. & Gy.)
5. Dr. M. N. Vaswani, (Gy.) M.D.
6. Dr. Arun Kumar M. D. (Paed.)
7. Dr. A. V. Jaikar, M. D. (Paed.)
8. Dr. B. D. Pandya, M. S. (Surg.)
9. Dr. S. N. Kanthe, M. S. (Surg.)
10. Dr. N. S. Padhye, (Ophth.)
11. Dr. S. V. Ganla, M. D. (Psy.)
12. Dr. J. C. Raja, M. D. (Med.)
13. Dr. M. Motla, M. D. (Skin).

Tutors

1. Dr. S. N. Naik, M. D. (Ob. & Gy.)

LEAVE PERIOD OF HEAD OF THE DEPARTMENT

| Sr. No. | Designation | Name of the Officer | Qualifications | From | Period | To |
|---------|--|---|---|------------|-------------------------------------|------------|
| 1. | Department of Medicine. Honorary Physician | Dr. R. D. Darne | M.D.M.R.C.P. I.C.C.P. | 1-7-87 | 31-8-87 | |
| 2. | Dept. of General Surgery. Honorary Surgeon. | Dr. D. K. Dastur | M. S. | Nil | | Nil |
| 3. | Dept. of Gynaec. Honorary Obst. & Gynaecologist. | Dr. S. H. Shah | D.G.O.D.F.P. F.C.P.S. | 19-5-87 | 29-5-87 | |
| 4. | Dept. of Orthopaedics. Honorary Surgeon Ortho. | Dr. R. N. Katre | M.S. | Nil | | Nil |
| 5. | Dept. of Paediatrics Honorary Paediatrician | Dr. G. S. Hathi | M.D.D.C.H. | 30-3-87 | 18-8-87 21-9-87—Jan. 88 | |
| 6. | Dept. of Ophthalmic Honorary Surgeon Ophthalmology. | Dr. V. H. Gandhi | D.C.M.S. M.S.P.O. F.R.C.S. | 3-6-87 | 30-6-87 | |
| 7. | Dept. of E.N.T. Honorary Surgeon E. N. T. | Dr. P. D. Karnik Dr. S. P. Wagh | M.S.F.I.C.S. M.B.B.S.M.S. | Nil | 4-12-87—23-12-87 | Nil |
| 8. | Dept. of Skin Honorary Dermatologist. | Dr. M. W. Dhurandhar Dr. D. P. Deshpande | M.B.D.V.D. F.C.P.S. P.C.A.I. F.A.C.A. D.T.M.H. M. D. | Nil | 25-5-87—12-6-87 19-10-87—3-11-87 | Nil |
| 9. | Dept. of Psychiatric Honorary Psychiatrist. | Dr. N. S. Vahia Dr. V. N. Vahia. | M.D.F.R.C. M. D. | Nil Nil | | Nil Nil |

HOSPITAL

| | | | |
|---------------------|--|---------------------|------|
| 1. i) Expenditure : | 1) Amount spent on Inpatients | Rs. 1,59,47,557 | |
| | 2) Amount spent on Out-patient | Rs. 1,00,03,365 | |
| | 3) Total expenditure excluding cost of new works. | Rs. 2 Cr. 59 Lacks. | |
| Approximately | 1) Total variable cost per Inpt. per day. | 33.75 | |
| | 2) Variable cost per Outpt. per day. | 1.58 | |
| | 3) Fixed cost per Inpt. per day. | 62.84 | |
| | 4) Fixed cost per Outpt. per day. | 3.48 | |
| | 5) Total cost per Inpt. per day. | 96.59 | |
| | 6) Total cost per Outpt. per day. | 5.06 | |
| ii) A) Results : | 1) Schedule bed strength. | 520 | |
| | 2) Daily average In-patients in Wards. | 523 | |
| | 3) Total No. of Admission including those brought over from the previous year. | 30512 | |
| | 4) Daily average No. of Admissions | 112 | |
| | 5) Total No. of patients discharged. | 25389 | |
| | i) Left against medical advice | 730 | |
| | ii) Remained in the hospital on the last day. | 441 | |
| | iii) Expired including neonatal & Still Birth. | 2251 | |
| | iv) Average stay of In-patient. | 7 days | |
| B) | 1. Total No. of New Out-patients Admission. | 1,89,338 | |
| | 2. Daily average No. of Out-patients (New). | 610 | |
| | 3. Total No. of Out-patients (New & Old). | 5,68,023 | |
| | 4. Daily average No. of Out-patient Attendance. | 1775 | |
| | 5. Total No. of Casualty Attendance. | 62,071 | |
| | 6. Casualty Attendance Medicolegal. | 24,400 | |
| | 7. Daily average Casualty Attendance. | 170 | |
| C) | 1. Total No. of Operations In-patient | (6694 + 1158 F. P.) | |
| | | 7852 | |
| | 2. Total No. of Operations Out-patients. | 26,114 | |
| Confinements : | 1) Booked cases. | 903 | |
| | 2) Emergency cases. | 988 | |
| | 3) Normal. | 1995 | 3005 |
| | 4) Abnormal. | 1010 | |
| | 5) Neonatal and Maternal Deaths. | | |
| | i) Maternal Deaths. | 12 | |
| | ii) Neonatal Deaths. | 19 | |
| | iii) Still Births. | 187 | |
| | iv) Premature Infants. | 184 | |
| | v) Sterilization. | 10 | |
| | 1) Male. | | |
| | 2) Female. | 544 | |

iii) RADIOLOGY

| | |
|--|--------|
| 1. Total No. of patients investigated. | 71,995 |
| 2. Total No. of X-Ray taken. | 70,737 |

Special Investigations :

| | |
|---------------------------|-----|
| 1. Barium Meal F. T. | 334 |
| 2. Barium Meal S. D. | 171 |
| 3. Barium Swallow | 114 |
| 4. I. V. P. | 322 |
| 5. M. C. U. G. | 19 |
| 6. H. S. G. | 87 |
| 7. Oral cholecystography. | 28 |
| 8. Myelogram. | 29 |
| 9. Fistulogram. | 2 |
| 10. D. R. U. | 12 |
| 11. Cystoethrogram. | 8 |
| 12. Barium Enema | 78 |
| 13. Silogram | 2 |
| 14. Cavitogram | 1 |
| 15. Ascending Pyelogram | 14 |
| 16. Spleenoportogram | 4 |
| 17. Sinogram | 8 |
| 18. Cologram | 21 |
| 19. Tomogram | 2 |
| 20. Venogram | 1 |
| 21. Larnogram | 1 |

IV) **BLOOD BANK**

| | |
|---|------|
| 1) i) Total No. of Blood samples collected. | 4460 |
| ii) From Voluntary Donors. | 1821 |
| iii) From other Hospital | 203 |
| iv) From O. P. D. patients. | 5162 |
| v) Total No. of bottles supply to wards | 3745 |
| vi) Total collection of blood bottles by camp | 1537 |
| vii) Australia Antigen (R. P. H. A.) Tests done | 3661 |

SCHOOL CLINIC

| | |
|--|--------------|
| 1) Total No. of school children treated. | 2107 |
| i) New. | 8420 |
| ii) Repeat | 156 |
| iii) Referred. | |
| 2) Total expenditure on clinics. | Rs. 2,82,653 |

VI) **PSYCHO THERAPY AND OCCUPATIONAL THERAPY**

| | |
|---|-------|
| 1. Total no. of attendance at the centre. | |
| i) Total no. of Out-patients. | 37702 |
| ii) Total no. of In-patients. | 38069 |
| Emergency Trauma Unit was started on 1-11-1982. | |

CHARGING OF FEES FOR OUTDOOR AND INDOOR PATIENTS.

Charging of fees for out-door and Indoor patients was started from 1-4-1982 under the C. A.'s circular no. CARG/105.

Charges for O. P. D. patients.

Rs. 2/- for every fifteen days.

Charges for Indoor patients.

Rs. 5/- for first ten days and thereafter Rs. 5/- for each day till patient is discharged.

Hearse and Ambulance services : The ambulance service is made available to public at the hospital. The ambulance services are available in emergency to any ailing patient round the clock for transfer of patients to other hospitals. One hearse is provided for removing dead bodies at the hospital for Western suburbs.

Total income from Ambulance and Hearse during the year under report was. Rs. 32042/-

STATEMENT SHOWING THE REVENUE FROM THE HOSPITAL DURING 1987 :

| Months 1987 | Paying & Renewal | Indoor Admission | OPD | 4th Delivery | Scrap Collection |
|--------------|--------------------|------------------|-----------------|--------------|------------------|
| January | 42,464.75 | 8,340 | 24,484 | 500 | — |
| February | 27,560.00 | 7,345 | 24,416 | 200 | — |
| March | 24,262.00 | 5,180 | 18,486 | 100 | 600 |
| April | 20,124.50 | 6,280 | 20,544 | — | — |
| May | 26,426.00 | 7,850 | 22,522 | 200 | — |
| June | 30,615.00 | 8,265 | 24,482 | 300 | — |
| July | 30,837.00 | 8,905 | 25,342 | 200 | 23118.30 |
| August | 31,047.00 | 8,650 | 22,010 | 300 | — |
| September | 34,179.00 | 9,700 | 26,538 | 100 | — |
| October | 29,776.00 | 17,960 | 53,236 | 100 | — |
| November | 35,099.00 | 8,830 | 25,280 | 100 | — |
| December | 29,109.00 | 17,690 | 49,392 | 400 | — |
| Total | 3,61,498.75 | 1,14,995 | 3,36,732 | 2,500 | 23,718.30 |

Grand Total : 8,39,444.05.

MEDICAL RECORD DEPARTMENT

In-patient Division :

The number of schedule bedstrength during the year was 520. During the year 1987 the average no. of In-patient in the hospital was 523 against 521 and 516 during the year 1986 and 1985 respectively. The total no. of patients admitted for hospitalization during the year under report was 30021 as against 30481 as against 29995 respectively for 1986 and 1985. The average stay of In-patients was 7 days during the year under report.

Results of treatment of Indoor patients :

Out of total no. of 30512 including 491 brought over from the previous year 25028 were considered as cured, 960 left the hospital against medical advice or were otherwise discharged and 2033 died (excluding 187 still Birth and 19 Neonatal deaths, 12 Maternal Deaths, 5 Casualty Deaths.) At the end of the year 441 patients were in the hospital under treatment.

DEATH CLASSIFIED :

Out of 2038 deaths 642 died within 24 hours of admission, 463 after 24 hours and within 72 hours is of admission, 744 deaths took place after three days from the date of admission. 184 premature infants deaths, 5 died at casualty. The figures are exclusive of 187 Still Births and 19 Neonate, 12 Maternal death. Death rate was 6.1 against 5.7 during the last year.

Total number of autopsies performed during the year under report was 701 against 766 and 531 for the year 1986 as against 5.4 and 5.4 for the year 1986 and 1985. All these autopsies were performed by the Additional Coroner's Surgeon.

Confinements :

During the year under report the total number of confinements were 3005 and abortions 880.

Operations :

6852 operations were performed on In-patients and 26114 operations were performed on Out-patients.

Out-patients Department - Out-patient Particulars :

The total no. of new case papers issued during the year under report was 1,85,026 against 1,61,541 in the year 1986 and 1,56,132 in the year 1985. The total no. of out-patient attendance (New & Old) including casualty cases was 5,68,023 bringing the average total attendance 1775 per day.

Casualty cases registered during the year were 62,071 as against 57,891 and 57,091 during the year 1986 and 1985.

Medicolegal cases :

During the year under report the resident Medical Officers and casualty Medical Officers attended the following courts for giving evidence in the Medico-legal.

| | |
|---------------------------------|-----|
| 1. Presidency Magistrate courts | 124 |
| 2. Sessions courts | 38 |
| 3. Motor accident Tribunal | 13 |
| 4. Other courts | 10 |

During the year approximately 701 depositions were filled in the coroner's court.

Medical Certificates :

| | |
|---|------|
| 1. Under Workmen's compensation act. | 97 |
| 2. Medical Opinion certificates | 1538 |
| 3. Injury certificate to patients in Medico-legal cases. | 355 |
| 4. Injury certificates to Police in Medico-legal (Free). | 2954 |
| 5. Injury certificates to Municipal employee Injury & leave (Free.) | 900 |
| 6. Certificate for Insurance purposes | 27 |
| 7. Essentiality certificates for reimbursement of medical expenses to Govt. | 81 |

MOBILE HEALTH UNIT

A Mobile van was donated by Bombay Pradesh Congress Committee on 1-7-1973. The mobile health unit was started from 10-7-1973 at this hospital. During the year under report Mobile Health Unit has completed 14½ yrs. services. It is being utilised at present for rendering medical aid to the slum areas in the forms of :

- 1) Medical Treatment for minor injuries and ailments.
- 2) Immunization programme.
- 3) Health education in family planning.

It visits the slum areas from Juhu, Villeparle to Jogeshwari on the Western suburbs on all days of the week except Sundays from 8.30 a. m. to 1.00 p. m.

The following staff is posted in the Mobile Health Unit.

- 1) One Interns.
- 2) One staff Nurse.
- 3) One Labourer.

Work done at Medical Mobile Health Unit in the year 1987.

| | |
|--|------|
| 1) Total No. of patients seen & treated (In the slum communities). | 7091 |
| 2) Total No. of referred to General Hospital. | 631 |
| 3) Total No. of Immunisations conducted. | 1929 |

MEDICO SOCIAL SERVICE DEPARTMENT.

The social service department was started on 2-10-1972 for cases needing Physo-social worker who was appointed on 2-10-1972. During the year under report social service department has completed 15 yrs.

Total cases for the year was 1200. 200 patients were screened and seen for hospitalization and advised to poor people regarding it. U.S.G., costly investigation and patients were screened for X-ray 500 kg. of milk powder was given to the patients and children. Special attention was given to C. T. Scan — 150 cases. Costly drugs like cabellin, Albumin, Sepexin, Riflin etc. which was new form of investigation for treatment of serious patients. Anti 'D' — 70 cases. 65 cases referred for Family planning — 50 cases referred for unmarried patients — 18 babies were given in adoption. 20-22 cases were for discharges. The new project such as 'Groundnut Distribution Project started for ANC expectant Mothers & baby clothes were distributed to the deserving ones.

GYNAECOLOGY AND OBST DEPARTMENT

Following is the account of work done in the Gynaec and Obst. department during the year under report.

| | |
|--|-------|
| 1. Total no. of O. P. D. Attendance (New). | 14317 |
| 2. Total No. of Admissions. | 6422 |
| 3. Total No. of confinements. | 1995 |
| Normal | 1010 |
| Abnormal | 985 |
| Total | 3005 |
| 4. Total No. of Booked cases. | 903 |
| 5. Emergency cases | 988 |
| 6. Total No. of Abortions : 1) Threatened | 100 |
| 2) Incomplete | 295 |
| 7. Total No. of operations : Major | 1379 |
| Minor | 449 |

Undergraduates from G. S. M. Collage are attending the department for training. Postgraduate seminars and discussions are being held periodically at least once a month.

FAMILY WELFARE DEPARTMENT

The Family Welfare department has been started at this hospital in April 1969, with a regular centre, dispensing family planning aids from 9.00 a. m. to 4.00 p. m. on all O. P. D. working days. During the year under report it has completed 18½ years of services.

The staff consists of a full time Medical Officer, store keeper-cum clerk, attendant and a field worker. The following services are offered :

| | |
|--|-------|
| 1. Distribution of condome. | 16026 |
| 2. I. U. C. D. Insertions. | 437 |
| 3. Oral Contraceptive. | 347 |
| 4. Other convention contraceptives like diaphragm. | Nil |
| 5. Tubectomy : This includes puerperal sterilization & both abdominal & vaginal. | 449 |
| 6. Vasectomy. | 10 |
| 7. The Medical Termination of pregnancy is started from April 1974 and total M.T.P. done during the year under the report was. | 485 |

The centre also conducts other regular programmes like Maternal Health Educational Programmes in addition to family planning information to antenatal and postnatal patients. It render guidance services to those who desire it.

Following are the figures of attendance :

| | |
|---|-------|
| 1. New cases | 3846 |
| 2. Condoms | 16026 |
| 3. I. U. C. D. | 437 |
| 4. Other convention contraceptives (Tab.) | 347 |
| 5. Tubectomies | 449 |
| 6. Vasectomies | 10 |
| 7. Diaphragms | — |
| 8. M. T. P. | 485 |
| 9. Applicator with Jelly. | — |

IMMUNIZATION CENTRE

| | | |
|-----------------------|---------------|-------------|
| Polio : | 1st dose | 2312 |
| | 2nd dose | 1506 |
| | 3rd dose | 1320 |
| | 4th dose | 954 |
| | 5th dose | 598 |
| | Booster dose | 705 |
| | | Total 7395 |
| Triple | 1st dose | 1602 |
| | 2nd dose | 1227 |
| | 3rd dose | 1193 |
| | Booster dose | 651 |
| | | Total 4673 |
| Tetanus : | 1st dose | 17278 |
| | 2nd dose | 1530 |
| | 3rd dose | 1552 |
| | | Total 20360 |
| | Measles | 519 |
| | Meningococcal | 64 |
| | Cholera | 140 |
| | H. B. Vaccine | 57 |
| | T. A. B. C. | 52 |
| | D. T. | 180 |
| B. C. G. | O. P. D. | 2037 |
| | Ward | 2486 |
| | | 4523 |
| Antirabic Treatment : | | 23677 |

PAEDIATRIC DEPARTMENT

During the year under report 17083 were treated in the Out-patient department and 3515 were admitted as In-patients.

Screening and Mantoux testing : These include respiratory cases and Mantoux testing was done in about 17083 cases. Blood Transfusion no. of cases were 29.

PREMATURE BABY WARD

The paediatric department also manages a premature baby ward started functioning from Oct. 1971 with a capacity of 7 incubators and same is increased now to 10 incubators but actual figure ranges to 15 to 20 per day.

During the year under report 1575 were admitted as In-patient and 184 expired. There is a regular premature follow up once in a week which has shown good results. A well baby clinic is also run in O. P. D. by the paediatricians.

NUTRITION CLINICS

A Nutrition clinic attached to paediatric O. P. D. started functioning from February 1972. The work done in the year 1987.

| | |
|------------------------------|------|
| Total Nutrition clinic days. | 295 |
| Total cases. | 1841 |
| Feeding advice given | 358 |

DEPARTMENT OF MEDICINE

The Medical Department consists of two units and each unit is staffed with Honorary, Assistant Honorary and one Jr. A. M. O. Two Registrars, three house-physicians. A diabetic clinic and a Gastroenterology clinic is run once a week in the morning. About 1373 diabetics (including new and old) are treated and followed up every week. Cardiology out-patients clinic is conducted on every Saturday to look after patients discharged from coronary care unit. This department has a staff of two registrars and three house officers.

The total no. of patients admitted during the year 1987, in the Medical units was 6238 (3706 Male, 2532 Female) as 6221 in the year 1986 and 5876 in the year 1985.

Heart disease patients were treated in the Medical ward during the year 1987. 6610 E. C. G.s were taken during the year under report in the E.C.G. deptt. E.C.G.s were also recorded in emergency cases in I.C.C.U.

I. C. C. U. : The department started functioning from 1-3-1975. The total no. of patients admitted during the year 1987 in I. C. C. Unit was 693.

| | | |
|----------------|-----------|---------------|
| T. B. Clinic : | New cases | 2125 |
| | Old cases | 8908 |
| | Total : | <u>11,033</u> |

Post graduate students training in the department of Medicine of Dr. R. N. Cooper Hospital.

1. Daily teaching ward rounds.
2. Weekly journal review meetings.
3. Monthly clinical meetings.
4. Weekly post-graduate clinics.
5. Supervision of research activities of post-graduate students.
6. Assessment of the post graduates teaching abilities.

Undergraduate teaching in the Department of Medicine of Dr. R. N. Cooper Hospital.

1. History taking and clinical examination of various systems.
2. Management of common medical emergencies.
 - A. Poisoning.
 - B. Patients of metabolic coma.
 - C. Cardiac, neurological and other problems.
3. Demonstration of ward procedures.
4. Case discussion during ward rounds.
5. Demonstration of interesting out-patient cases.
6. Discussion on related clinical investigations.
7. Discussion on therapy where applicable depending on the stage of students.
8. Assessment of the students by reviewing their attendance, ward performance and ward examinations.
9. The above teaching is done by the honoraries and registrars.

DEPARTMENT OF SURGERY

Department of surgery consists of two units each staffed with Honorary, Assistant Honorary, Two Registrars and two housemen in each unit. In addition there is surgical Jr. A. M. O. and surgical Tutor. The no. of scheduled beds allotted to the surgical department is 30 in M. W. and 30 in F. W. for each unit. Surgical department is well equipped to manage both emergency and routine surgical problems. This institution also caters to the emergency cases of other suburban hospitals. Minor surgery theatre is attached to the surgical O. P. D. Dressing department is attached to the surgical O. P. D. managed by Minor Surgery Registrar with help of respective surgical unit.

Plastic Surgery: There are one Honorary Asstt. & two Housemen O. P. D. is conducted twice a week. They manage the Burns ward of 10 beds. The following is the account of work done in the dept. of general surgery during the year.

| | |
|--|-------|
| 1) Total New O. P. D. Attendance | 47383 |
| 2) Total Admissions | 2921 |
| 3) Operations : | |
| a) Major | 2177 |
| b) Minor | 17043 |
| c) Emergency | 784 |
| d) Total no. of Gastroscopies | 122 |
| 4) Total no. of patients treated in Minor Surgery. | 17043 |
| 5) Total no. of Admission in I. C. U. | 1586 |

Neurosurgery clinic: Neurosurgical O. R. D. is conducted with the help of Dr. S. K. Pandya, Prof. of Neurosurgery, G. S. M. C. & his assistants of the Neurosurgical deptt. of K. E. M. Hospital on every Wednesday from 1.00 p. m. to 4.00 p. m. This is very helpful for the patients of this hospital who require Neurosurgical care. Total number of cases which were seen in Neurosurgical clinics during 1987 is : 393.

DEPARTMENT OF PSYCHOLOGICAL MEDICINE

The department started functioning from 15-6-1977. It has two Honorary, Three Registrars, two House Officers, One social worker, One clinical Psychologist and One Occupational Therapist. One E. E. G. Technician, One Jr. Steno. The following is the statistical data of the work done during the year for the period 1987.

| | |
|--|-------|
| 1. Total no. of O. P. D. patients (New) | 2289 |
| 2. No. of O. P. D. conducted during the Month | 145 |
| 3. Total no. of new and ref. cases examined in O. P. D. | 12357 |
| 4. Average attendance (New cases) | 185 |
| 5. Average no. of new and ref. cases examined per O. P. D. | 948 |
| 6. Total no. of patients treated with E. C. T.s new | 122 |
| 7. Total no. of patients treated with E. C. T.s old | 886 |
| 8. Total no. of Insulin sittings conducted | 101 |
| 9. Average Insuline. | 6 |
| 10. No. of Indoor patients | 511 |
| 11. Total no. of patients treated | 6958 |
| 12. Sex Education | 518 |
| 13. No. of patients for psychological testing | 605 |
| 14. Testing sessions. | 1587 |
| 15. Total no. of sessions of counselling | 707 |
| 16. Total no. of new social work | 621 |
| 17. Total no. of Individual sessions | 949 |
| 18. Family therapy no. of patients | 94 |
| 19. Family therapy no. of sessions. | 107 |
| 20. Total no. of patients referred to day care centre | 125 |
| 21. Average attendance at day care centre | 10-11 |
| 22. Total no. of patients for C. G. C. New | 116 |
| 23. Total no. of patients for C. G. C. — Old | 168 |
| 24. Group therapy no. of New patients | 161 |
| 25. Group therapy no. of total patients. | 235 |
| 26. Marital therapy no. of patients | 27 |
| 27. Marital therapy sessions | 96 |

DEPARTMENT OF ORTHOPAEDICS

Orthopaedic department consists of two Honoraries and two Assistant Honorary, four Registrars and four house-officers. Following was the work done in the this department during the year under report :

| | |
|---------------------|--|
| Out door attendance | 12200 |
| Indoor Admissions | 2142 |
| No. of Operations | 897 (Ortho. O. T.) + 8174 Tr. O.T. 9071 |

The department is well equipped to cope up with the large no. of trauma cases brought to the hospital. A Consequent to the donation of AO instruments to Ortho. Dept. the indoor stay of Ortho. patients has been considerably reduced. Ethylene Dioxide steriliser has been installed this year in ortho. O. T. for better effective sterilization of implants rubber & P. V. C. surgical articles etc.

EAR, NOSE AND THROAT DEPARTMENT

Ear, Nose and Throat department was started from June 1972. All the routine investigations like caloric test and audiometry are carried out in the O. P. D. The following is the account of work done in the department during the year under report :

| | |
|-------------------------------|------|
| Total New O. P. D. Attendance | 7906 |
| Indoor Admissions | 687 |
| Operations | 984 |

AUDIOLOGY AND SPEECH THERAPY DEPARTMENT

The functioning of the audiology and speech therapy unit started from 19-7-1976. The unit has a part-time Audiologist on its staff. The following is the account of work done during the year under report.

| | |
|--------------|-------|
| Audiograms | 896 |
| Speech cases | 1050 |
| | <hr/> |
| Total | 1946 |

OPHTHALMIC DEPARTMENT

There are one Honorary, One Assistant Honorary, one Registrar and two house surgeons on its staff. The following is the account of work done during the year 1987.

| | |
|---------------------|------|
| O. P. D. Attendance | 9468 |
| Indoor Admissions | 642 |
| Operations | 829 |

SKIN AND VENEROLOGY DEPARTMENT

During the year under report 10985 new cases were treated at the out-patients department and 30 were admitted as In-patient. The following investigations were carried out in the laboratory.

| | |
|---------------------------|------|
| 1. Skin Biopsy | 106 |
| 2. Venereal disease cases | 7379 |

Hansen's clinic : Hansen's clinic started from March 1974 and it functions on every Tuesday. During the year under report, 157 new cases were treated in the out-patient department.

DENTAL DEPARTMENT

There are four part time surgeons, one staff nurse and one labourer. Referred patients and general O. P. D. patients having dental complaints are also examined and treated. This department attends the school clinic children.

The following is the account of work done in this department during the year 1987.

| Total no. of patients examined | General O. P. D. | School clinic |
|--------------------------------|------------------|---------------|
| No. of medications | 6337 | 343 |
| No. of dental extraction. | 1310 | 281 |
| No. of scaling teeth | 69 | 233 |
| No. of X-rays recorded | 283 | 7 |
| No. of filing cement | 25 | 19 |

SCHOOL CLINIC DEPARTMENT

A school clinic was started functioning from July 1973. It functioning in paediatric, Ophthalmic, aural and dental departments where medical examination of school children from suburban municipal school between Bandra and Borivali is done.

The common ailments found among the children were Malnutrition, Vit (A) deficiency, Aneamia, Respiratory Infection, Scabies, Pyoderma, Pharyngitis. Tonsillectomy operations were performed on 11 cases in the year 1967.

Total no. of school children treated :

| | |
|---------------|------|
| i) New | 2107 |
| ii) Repeat | 8420 |
| iii) Referred | 156 |

The total expenditure on school clinic is Rs. 2,82,653. The details are as under :

| | |
|----------------------------------|----------|
| 1) Establishment | 1,97,780 |
| 2) Contingencies & Miscellaneous | 700 |
| 3) Medicine & Instruments | 28,250 |

Juhu Lions Dental clinic.

| | |
|---------------------------------------|--------|
| 1) Establishment | 51,888 |
| 2) Medicine & Instruments | 3,125 |
| 3) Labour Technical & others | 910 |
| 4) Total expenditure of establishment | 55,923 |

PATHOLOGY DEPARTMENT

Following investigations were done in the Pathology Department.

| Investigations | Total No. |
|------------------------|-----------|
| Biochemical | 1,64,926 |
| Serological Khan Test. | 12,537 |
| Haematological | 35,274 |
| Histopathology | 2,762 |

We are receiving samples for investigations in the department of Pathology from M. W. Desai, Malad, Gen. Hospital & Kandivali centenary Hospital V. W. Desai, Santacruz general Hospital & other Perpheral Maternity homes.

Bacteriology

| | |
|-------------------------------------|----------|
| 1. Culture | 14,794 |
| 2. A. F. B. Smears & Diphtheria | 6,190 |
| 3. O. P. D. Laboratory routine work | 1,10,488 |
| 4. School clinic | 2,271 |

NURSING STAFF

| | | |
|-------------------|----------|---------------------|
| Matron | 1 | |
| Jr. Asstt. Matron | 2 | |
| Sister Tutors | 4 | 4 (1 leave reserve) |
| Midwifery Tutor | — | |
| Ward sisters | 28 | |
| Staff Nurses | 195 + 15 | (Leave reserve) |
| Auxillary Nurses | 16 | |
| Theatre Assistant | 10 | |
| Health Visitors | 2 | |
| Midwife Nurse | — | |

NURSING SCHOOL REPORT

In General Nursing Part I 19 students appeared & 18 passed & one stood in honours. In General Nursing Part II 19 students appeared & 18 passed & six stood in honours. In Midwifery Exam. 20 appeared out of it 19 passed & one stood in honour.

Lucia Naronha & Annamma Thomas has received Mayor's Award. for all the school activities & diary is maintained which is selected on second prize at state level T. N. A. Conference at Aurangabad by bagin seven prizes and presenting in the seminar on "Safety at work place". Also actively participated in T. N. A. National level, secured 1st prize on Test Tube Baby Model. Annual day was celebrated in the month of Jun inaugurated by D. M. C. Mr. P. D. Karandikar & chief Guest were Dr. Nadkarni, Dean of Sion Hospital he given away the certificates for passing successfully & Medals were given for standing 1st.

In service Education Programme, conducted in Dr. R. N. Cooper Hospital, Dr. Satoskar, assistant Dean of K. E. M. Hospital distributed the academic & sports prizes Miss Lucia Naronha crowned as Miss Cooper of 1987. Continuous Inservice Education Programme was attended by many members in 1987 from most of the Municipal Hospital. "W. H. O. Day" was celebrated on 8th April & participated in W. H. O. day celebration by T. N. A. Bombay City at K. E. M., on 7th April 1987 on the "Immunization a chance for Every Child".

Training of Medical Students of G. S. Medical collage :

Medical students training started from July 1979 at Dr. R. N. Cooper Hospital. The following departments of this hospital have been recognised by the University for the purpose of under graduate Teaching-Medicine, Surgery, Gynaec & Obst., Paediatric and Orthopaedic. The students of G. S. Medical Collage are attending the hospital from April 79 onwards. The following members of the staff have been recognised by the University as Post-graduate Teachers—Dr. R. D. Darne, Dr. D. K. Dastur, Dr. S. H. Sha Dr. R. N. Katre, Dr. N. R. Shetty, Dr. S. J. Penkar, Dr. R. C. Pinto.

ANAESTHESIA DEPARTMENT

Anaesthesia department of Dr. R. N. Cooper Mupl. Gen. Hosp., Juhu has the following staff on establishment. Dr. U. V. Desai, Honorary Assistant, Anaesthetist appointed from 10-1-1977. Since 1-1-1978 Dean (G) has been deputing five-six registrars/five-six lecturers to manage the workload of the hospital. This arrangement has been working very smoothly under the guidance of Dean (G).

The List of the recognised posts is given below :—

| Sr. No. | Departments | Category | No. of post recognised |
|---------|--|------------------|------------------------|
| 1. | Gen. Medicine | Registrar | 4 |
| 2. | I. C. C. U. | " | 2 |
| 3. | Psychiatry (1 post is not recognised) | " | 2 |
| 4. | Skin & V. D. | " | 1 |
| 5. | Paediatrics | " | 4 |
| 6. | Neonatology | " | 1 |
| 7. | Gen. Surgery | " | 2 + 2 |
| 8. | Gen. Minor O. T. | " | 1 |
| 9. | E. N. T. | " | 1 |
| 10. | Ophthalmic | " | 1 |
| 11. | Burns & Plastic surgery | " | 2 |
| 12. | Orthopaedics | " | 4 |
| 13. | Obst. & Gynaec. | " | 3 |
| 14. | Anaesthesia | " | 1 |
| 15. | Pathology (Recognition of post is House Officer pending with University) | " | 2 |
| 16. | Radiology | Reg. Radiologist | 1 |
| 17. | Gen. Medicine | House Officer | 5+1 recog. previously |
| 18. | I. C. C. U. | " | 3 |
| 19. | Psychiatric | " | 2 |
| 20. | Skin & V. D. | " | 2 |
| 21. | Paediatric | " | 6 |
| 22. | Gen. Surgery | " | 4 + 2 |
| 23. | Neonatology | " | 2 |
| 24. | E. N. T. | " | 1+1 |
| 25. | Ophthalmology | " | 1+1 |
| 26. | Burns & Plastic surgery | " | 2 |
| 27. | Orthopaedics | " | 4 |
| 28. | Obst. & Gynaec | " | 4+2 |

Special Acknowledgement :

Due to the persistent efforts and guidance of Dean (G) Dr. G. B. Parulkar, Additional two posts of Registrars and two posts of House Officers were recognised for the purpose of post-graduate studies in the department of Gen. Surgery at Dr. R. N. Cooper Municipal General Hospital, Juhu, from November 1985 vide letter No. PG/1293.

Expenditure out of Poor Box Charity Fund :

Besides the expenditure incurred from Municipal Funds sum of Rs. 5,38,212 was spent out of Poor Box Charity Fund in the year of 1987-88 as against Rs. 6,67,746 in the previous year. The amount was mostly spent on X-Ray Plates, C. T. Scan, costly drugs, Blood Transfusion, and Blood Products for needy patients. Provision of crutches, spectacles etc. for the poor and deserving patients of the hospital was also made.

Expenditure out of the Hospital Budget Grant :

Besides the total expenditure incurred on the maintenance of the hospital during the year 1987-88 including liabilities at the end of the year but exclusive of the cost on new works amount to Rs. 2,19,86,317 approximately. The expenditure was inclusive of cost of maintenance and treatment of In-patient, Out-patients and establishments, drugs on Medical Nursing Administrative and Labour staff as well as the cost of the staff for maintenance and repair of the building.

SPECIAL ACTIVITIES**Special Activities during the year 1987 :**

(1) The lions club of Villeparle has donated Drinking Water Fountain and Vishram Griha in memory of late Brijmohan Jawala Prasad Jhunjunwala outside the Casualty at CAS Building for the benefit of patients relatives and visitors. The inauguration of the same was held on 20-9-87 by the chief Guest, then Honorable Mayor Dr. Ramesh Prabhu, The Guest of Honour was Dist. Governor Lion Nitin.Khambhati.

(2) The inauguration function of the officer of Asstt. Accountant, Cooper Hospital was held on 29-6-1987 at 9.30 A. M. by DCM (P) Mr. P. D. Karandikar.

(3) Blood Donation Camp was organised by the staff of Dr. R. N. Cooper Muni. Gen. Hospital in the premises on 7-8-1987 then around 200 of the staff members co-operated for making the camp a success.

(4) Dr. Pritam Phatani, delivered a lecture on "Hospital and Law" on 6-3-1987 for the benefit of Medical, Para-medical Nursing and other superior and clerical staff of this hospital.

(5) Local Inquiry Committee deputed by the University of Bombay inspected Dr. R. N. Cooper Muni. Gen. Hospital, Juhu for continuation & extention of recoquition for teaching the under graduates students of Seth G. S. Medical College, Mumbai vide registrations letter No. AFF/RECOG/4583, dated 27-7-1987. The date of inspection was 1-8-1987 & the convehor of the Committee was Dr. R. K. Gandhi. The other members were Dr. F. Fernandes, Dr. R. A. Patel, Dr. R. D. Pandit, Dr. T. G. Honnekari, Dr. V. B. Damle & Dr. R. N. Shanbhag. Dean 'G' was represented by Dr. (Smt.) Kinnare, Drof. & Head of Pathology Dept., K. E. M. Hospital. Dr. (Smt.) Kusum Shah, Director, Peripherai Hospital was present during the inspection.

Dr. A. G. Desai, Dr. T. K. Mehta & Dr. K. U. Shah who could not visit on scheduled day of inspection, visited the hospital seperately. The report of this committee is awaited from the University of Bombay.

STATEMENT

1987

Revenue out of Poor Box Charity Fund during the year under report.

| Months 1987 | X-Ray, Collection | U. S. G. | E. C. G. | O. G. D. | Poor Box Certificate Collection | Total |
|----------------|----------------------|---------------|---------------|---------------|---------------------------------------|-----------------|
| January | 47,375 | 3700 | 3890 | 3110 | 4470 | 62,545 |
| February | 44,580 | 4080 | 4680 | 2825 | 1277 | 57,442 |
| March | 33,825 | 2505 | 1680 | 600 | 886 | 39,496 |
| April | 38,450 | 2220 | 2740 | 1400 | 1315 | 46,125 |
| May | 48,318 | 700 | 4060 | 1175 | 1746 | 55,999 |
| June | 51,155 | 5855 | 4364 | 1175 | 1196 | 63,745 |
| July | 45,685 | 6273 | 4130 | 1625 | 1711 | 59,426 |
| August | 48,410 | 3770 | 3220 | 950 | 1528 | 57,878 |
| September | 56,195 | 2900 | 4220 | 1900 | 4459 | 19,674 |
| October | 32,300 | 775 | 4190 | 1350 | 1903 | 40,518 |
| November | 50,980 | 1400 | 4370 | 1650 | 2393 | 60793 |
| December | 57,535 | 400 | 5150 | 1225 | 3759 | 68,069 |
| Total | 5,54,808 | 34,580 | 46,694 | 18,985 | 26,643 | 6,81,710 |

Dr. R. N. Cooper Municipal General Hospital, Juhu.

Ref. : Circular No. 4986/RI.

| 1987 | Medical | Surgical | Paed. | Gynaec. | Orthop-aedic | Prema- ture | E. N. T. | Ophth. | Skin | I. C. U. / | I. C. C. U. | Burns | Psychiatric |
|--|---------|------------------|----------------------|------------------|--------------|----------------|----------|--------|---------|------------|-------------|-------------|-------------|
| 1) Bed Strength | 90 | 90 | 60 | 90 | 60 + 10 | 10 Cradles | 30 | 30 | 30 | 10 | 10 | 10 | 30 |
| 2) Occupancy bed strength (Yearly). | 31023 | 29481 | 12866 | 35639 | 33537 | 4152 | 3753 | 4361 | 786 | 2530 | 2274 | 1305 | 6958 |
| 3) Average Occupancy per day. | 86 | 82 | 36 | 98 | 93 | 12 | 11 | 12 | 3 | 7 | 7 | 4 | 20 |
| 4) Average Stay Departmentwise (days) | 5 days | 11 days | 4 days | 6 days | 1 Month | 1 Month | 6 days | 7 days | 26 days | 2 days | 4 days | 4 days | 14 days |
| 5) O. P. D. Attendance (New & Old). | 84922 | 94582 | 47705 | 36205 | 34471 | — | 25077 | 29601 | 37096 | — | — | — | 17244 |
| 6) Mortality rate per day. | 1.54 | 0.87 | 1.15 | 0.03 | 0.09 | 0.50 | — | — | — | 0.28 | 0.57 | 0.4 | — |
| 7) Operations Yearly : Major Minor | — — | 2177 9819 CLW | — 1158 | 1379 9071 | 897 | — | 984 | 829 | — | 338 | — | 90. Plastic | — |
| | | 17043 Minor | (Family Planning) | (Tr. O. T.) # | | | | | | | | | |

Schedule Bed strength 520 (Intensive care beds plus additional orthopaedics beds are not included in schedule Yet)

| | |
|----------------------------|-------------|
| Casualty Attendance/Day | 170 per day |
| i) Medico legal cases | 66 |
| ii) Non-Medico legal cases | 104 |
| Total | 170 |

DR. R. N. COOPER MUNICIPAL GENERAL HOSPITAL, JUHU.
APPENDIX — I

Statement showing the distribution of beds according to the departments.

| Departments | Bed strength at present allotted |
|-------------|----------------------------------|
| Medical | 90 |
| Surgical | 90 |
| Orthopaedic | 70 |
| Peadiatric | 60 |
| Gynaec. | 90 |
| E. N. T. | 30 |
| Ophthalmic | 30 |
| Psychiatric | 30 |
| Skin | 30 |

Under sanction No. M.D.G. - 4559 of 8-2-1985.

APPENDIX — II

Statement showing the particulars of Indoor and Out-door patients No. of operations performed etc. during the year 1987.

| Particulars | 1987 | 1986 | 1985 |
|--|--------------------------------|--------------------------------|--------------------------------|
| A) In-patients : | | | |
| 1. Schedule Bed strength. | 520 | 520 | 520 |
| 2. Daily average No. of In-patients. | 523 | 521 | 516 |
| 3. Daily average No. of Admissions. | 112 | 110 | 110 |
| 4. Total No. of new In-patients admitted. | 30,021 | 29,995 | 27,715 |
| B) Out-patients : | | | |
| 1. Total No. of new-out Patients attended. | 1,89,338 | 1,61,541 | 1,56,132 |
| 2. Daily average No. of new Out-patient. | 610 | 527 | 450 |
| 3. Total No. of out-patients Attendance (New & Old) | 5,68,023 | 4,97,566 | 3,71,190 |
| 4. Daily average no. of Out-patients attendance (New & Old). | 1775 | 1620 | 1473 |
| 5. No. of Casualty patients. | 62,071 | 57,891 | 57,091 |
| C) Operations : | | | |
| 1. Total No. of Operations on Indoor patients. | F. P. (6694 + 1158) 7852 | F. P. (6396 + 1557) 7953 | F. P. (6325 + 1620) 7945 |
| 2. Total No. of Out-patients Operations. | 26,114 | 29,591 | 27,493 |

APPENDIX III

Statement showing the In-patients treated in Dr. R. N. Cooper Municipal Gen. Hospital, Juhu during the year 1987 with the classification according to departments, discharge and deaths.

| Departments | In the Hospital Mid night of 31-12-86. | Admitted During the year 1987. | Total Treated | Discharge during the year 87 | Died | In the Hospital by mid night of 31-12-87. |
|-------------|--|--------------------------------------|------------------|------------------------------------|-------|---|
| Medical | 96 | 6238 | 31023 | 5697 | 561 | 76 |
| Surgical | 97 | 2921 | 29481 | 2628 | 315 | 75 |
| Gynaec. | 85 | 6422 | 35639 | 6414 | 12 | 81 |
| Paed. | 33 | 3515 | 12866 | 3032 | 477 | 39 |
| Premature | 13 | 1576 | 4152 | 1392 | 184 | 12 |
| Ortho. | 104 | 2142 | 33537 | 2133 | 33 | 80 |
| E. N. T. | 18 | 687 | 3753 | 691 | 2 | 12 |
| Ophth. | 12 | 642 | 4361 | 629 | 2 | 23 |
| Skin | 2 | 30 | 786 | 28 | — | 4 |
| I. C. C. U. | 6 | 693 | 2274 | 487 | 210 | 2 |
| Psy. | 17 | 511 | 6958 | 502 | — | 26 |
| I.C.U. | 5 | 1586 | 2530 | 1481 | 103 | 7 |
| Burns | 3 | 422 | 1305 | 275 | 146 | 4 |
| Total: | 491 | 27,384 | 1,68,665 | 25,389 | 2,045 | 441 |

| | | |
|----------------|---|-----|
| Maternal Death | — | 12 |
| Neonatal Death | — | 19 |
| Casualty Death | — | 4 |
| Still Birth | — | 187 |

APPENDIX IV

Statement showing the Out-patients (New and Casualty) in Dr. R. N. Cooper Mun. Gen. Hospital, Juhu during the year 1986 classification according to the Dept. Sex.

| Department | Sex | New OPD | Casualty |
|-------------|-----------|----------|----------|
| Medical | Male | 11360 | 6677 |
| | Female | 8680 | 4478 |
| Surgical | Male | 7121 | 15133 |
| | Female | 5141 | 8334 |
| | M/ch | 2647 | 3998 |
| | F/ch | 1858 | 3330 |
| Gynaec. | Female | 10675 | 3742 |
| Orthopaedic | Male | 3539 | 2226 |
| | Female | 2358 | 1161 |
| | M/ch | 1206 | 560 |
| | F/ch | 851 | 305 |
| E. N. T. | Male | 2823 | 530 |
| | Female | 2203 | 291 |
| | M/ch | 1074 | 116 |
| | F/ch | 815 | 54 |
| Ophthalmic | Male | 2981 | 3742 |
| | Female | 2305 | 538 |
| | M/ch | 964 | 78 |
| | F/ch | 676 | 43 |
| Dental | Male | 2005 | 534 |
| | Female | 1692 | 328 |
| | M/ch | 771 | 70 |
| | F/ch | 580 | 48 |
| Paediatric | Male/ch | 6625 | 2655 |
| | Female/ch | 5579 | 2224 |
| Skin | Male | 3989 | 452 |
| | Female | 2913 | 280 |
| | M/ch | 1857 | 94 |
| | F/ch | 1350 | 60 |
| Psychiatric | Male | 2065 | — |
| | Female | 1481 | — |
| | M/ch | 750 | — |
| | F/ch | 530 | — |
| T. B. | Male | 1128 | — |
| | Female | 671 | — |
| | M/ch | 209 | — |
| | F/ch | 117 | — |
| | | 1,03,590 | 62,071 |

APPENDIX V

Statement showing the relative cost per In-patient and Out-patient per day during the year 1987.

As per Productivity Department's suggestion the cost per patient proforma is given as below.

| Particulars | Average per day |
|--|-----------------|
| 1) Total variable cost per Inpt. per day. | 33.75 |
| 2) Total variable cost per Outpt. per day. | 1.58 |
| 3) Total Fixed cost per Inpt. per day. | 62.84 |
| 4) Total Fixed cost per Outpt. per day. | 3.48 |
| 5) Total cost per Inpt. per day. | 96.59 |
| 6) Total cost per Outpt. per day. | 5.06 |

SHRI H. B. M. G. HOSPITAL, BORIVLI, BOMBAY—103.

HO/600/BH of 14-1-1988.

Sub: Administrative Report for 1987 to be incorporated in M. C.'s administrative Report for 1987-88.

Ref.: Your No. HO/33783/RI of 8-1-1988.

M. C.

Director

P.H.

H. O.

So far as this hospital is concerned the required information is furnished herewith, for the year 1987-88.

| | | |
|---|--------------|--------------------|
| (1) High Lights : | | |
| 1 Expenditure : | | Rs. 2,34,41,670.00 |
| 2. On In-patients. | | Rs. 1,56,27,780.00 |
| 3. On out patients. | | Rs. 78,13,890.00 |
| (2) Average cost per : | | |
| 1. Inpatient per day. | | Rs. 84.50 |
| 2. Out patients per day. | | Rs. 35.03 |
| (3) Results In patients : | | |
| 1. Schedule bed strength | | 300 |
| 2. Daily average in patients in ward. | | 254 |
| 3. Admissions including those brought over from previous year. | | 16253 |
| (4) Number of patients discharged as : | | |
| 1. Cured. | | 14371 |
| 2. Otherwise. | | 271 |
| 3. Expired. | | 982 |
| 4. Remaining in the hospital ward on the last day of the year 1987. | | 269 |
| (5) Daily average number of admissions. | | 44 |
| (6) Average stay of in patients (in days). | | 5 days. |
| 7. Highest number of in patients in a single day. | | 53 |
| B. Out patients : | | |
| 1. New out patients attendance. | | New — 102276 |
| | | Old — 121309 |
| 2. Daily average number of new out patients and old patients. | | 280/611 |
| 3. Highest O. P. D. attendance on a single day. | | 715 |
| 4. No. of casualty attendance. | | 14181 |
| C. Operations on In-patients. | | 4976 |
| 6. Operations on out-patients. | | 7056 |
| 7. Total Operations. | | 12032 |
| 8. Daily average. | | 33 |
| D. Confinement : | | |
| 1. Booked cases. | | 967 |
| 2. Emergency cases. | | 734 |
| 3. Normal. | | 1239 |
| 4. Abnormal. | | 459 |
| 5. Left before delivery. | | 3 |
| • Neonatal and Natural deaths : | | |
| 1. Maternal deaths. | | 4 |
| 2. Neonatal deaths. | | 13 |
| 3. Still Birth. | | 104 |
| 4. Premature live born infants. | | 148 |
| Specialised treatment : | | |
| 1. Sterilization (Male) | | 7 |
| 2. Sterilization (Female) | | 430 |
| 3. Coper 'T' (Inserted) | | 202 |
| 4. Disease wise distribution of cases treated and deaths including tuberculosis & S.T.D., of all forms. There should also be death of food poisoning cases. | | |
| | Cases | Deaths |
| 1. S.T.D. Cases. | 641 | NII |
| 2. Food poisoning cases. | 44 | NII |
| 3. Tuberculosis | 773 | 16 |

| | | |
|-------------------------------------|--|-------------|
| Electrocardiography Deptt. : | | |
| | 1. Total No. of E.C.G. taken. | 2210 |
| | 2. Screening cases. | Nil |
| (11) | Physiotherapy/Occupational : | |
| | 1. Total cases treated. | 3105 |
| (12) | Radiology Department. : | |
| | 1. Total No. of X-Ray taken. | 89865 |
| | 2. Total No. of screening cases | Nil |
| (13) | BLOOD BANK : | |
| | 1. Total No. of Bottles collected | 1710 |
| | 2. Professional donors. | Nil |
| | 3. Brought from other hospital. | 203 |
| | 4. Relative donors. | 328 |
| | 5. Bottle supplied. | 451 |
| | 6. Bottle dispatched. | 1195 |
| | 7. Voluntary donors. | 1129 |
| | 8. Send for dry plasma. | 50 |
| (14) | Mobile Dispensary : | |
| | 1. Total No. cases treated during the year 1987. | 6710 |
| (15) | Medical Record Deptt. : | |
| | 1. Total cases attended by doctors in court. | 75 |
| | 2. Total Medical certificates issued to patients. | 1734 |
| | 3. Medico Legal Cases. | 14181 |
| | 4. Medical Certificates issued to various police stations. | 1449 |
| (16) | Ambulance Services : | |
| | 1. Total No. of calls attended. | 675 |
| | 2. Amount collected by Ambulance | Rs. 1386/- |
| | 3. Total free calls attended. | 28 |
| (17) | Hearse Services : | |
| | 1. Total No. of calls attended. | 836 |
| | 2. Amount collected by Hearse. | Rs. 20784/- |
| | 3. Total free calls attended. | 13 |
| (18) | Social Services : | |
| | 1. Free Spects. | 150 |
| | 2. Dark glasses supplied on deposite basis from volientary Donor. | 20 |
| | 3. Supplied appliances cases (Ortho) | 80 |
| | 4. Medical aid to patient. | 180 |
| | 5. Medical Aid from voluntary donors. | 450 |
| | 6. Old cloths to discharge patients. | 20 |
| | 7. Conveyance to discharge patients. | 20 |
| | 8. Counselling given to Suicide attempt cases. | 5 |
| | 9. Guidance given to parants of mentally retaired children. | 10 |
| | 10. Evalucation of cases free on partially free hospitalisation. | 120 |
| | 11. Placement of mentally Retaired Young female patinet, in on institutions. | |
| (19) | Pathology Department : | |
| | 1. Clinical pathology Investigation including serology. | 57874 |
| | 2. Bio-chemical Investigations. | 31172 |
| | 3. Blood grouping and cross Matching cases. | 12265 |
| | 4. Histo-pathology Investigations. | 4432 |
| (20) | Anti-Rabic Treatment given to patient : | |
| | 1. Total No. of patients treated. | 24224 |
| (21) | School Clinics : | |
| | 1. Total No. of cases treated during the year 1987. | 8301 |
| (22) | Dental Department : | |
| | 1. Total No. of cases treated. | 3973 |
| (23) | Psychiatric Department : | |
| | 1. Total No. of cases treated. | 2023 |
| (24) | Anaesthesia Depatment : | |
| | 1. Total No. of cases treated. | 12032 |
| (25) | Audiology Department. : | |
| | 1. Total No. of cases treated. | 635 |

| | | |
|--|---|---------------|
| (26) Poor Box Fund. : | | |
| 1. The collection in the boxes of poor box fund during the period from 1-1-1987 to 31-12-1987, including donation for E. C. G. and X-Ray plates. | : | Rs. 640940.10 |
| 2. Purchase of Non.scheduled drugs and orthopaedic appliances. | : | Rs. 72526.80 |
| (27) Certificates : | | |
| 1. Total No. of Medical Certificate of defferent types issued to patients. | : | 1734 |
| 2. Total collection of Rs. | : | Rs. 7278 |
| (28) Dispensary : | | |
| 1. Total No. of In-patients. | : | 15984 |
| 2. Out patients. | : | 223055 |
| (29) Family Welfare Centre : | | |
| Family planning centre is running for the benefit of patients attending the hospital. | | |
| 1. Vasectomy operations performed | : | 7 |
| 2. Sterilization operations performed. | : | 430 |
| 3. Coper T. Inserted. | : | 202 |
| 4. Total No. of oral pills given to patients. | : | 148 |
| 5. Total No. of condom given, to patients. | : | 20360 |
| 6. Total No. of M. T. P. | : | 198 |
| 7. Others. | : | 662 |
| (30) Library : | | |
| 1. Total No. of new books purchased. | : | Nil. |
| 2. Total Books. | : | 336 |
| (31) Special facility for Municipal Employees : | | |
| Seperate counters have been kept reserved at the Registration deptt., Dispensary for the municipal staff. | | |
| (32) Interns : | | |
| Graduates from L. T. M. G. Hospital are allowed to undergo Internship training at this hospital. | : | 230 |
| (33) Immunization Deptt. : | | |
| 1. Total No. of cases immunized in year 1987. | : | 12798 |
| (34) Leprosy Clinics : | | |
| 1. Total cases treated. | : | 207 |
| (35) T. B. Clinics : | | |
| 1. Total cases treated. | : | 773 |

APPENDIX—I

| Sr. No. | Name of Deptt. | Patients treated O. P. D. Deptt. | Patients treated I. P. D. Deptt. |
|---------|-----------------|-------------------------------------|-------------------------------------|
| 1. | Medical | 16063 | 3941 |
| 2. | Surgical | 44785 | 3677 |
| 3. | E. N. T. | 11327 | 791 |
| 4. | Ophthalmic | 9985 | 505 |
| 5. | Skin & V. D. | 12718 | Nil |
| 6. | Paediatric. | 26988 | 2536 |
| 7. | Gyn. & Obst. | 15838 | 3134 |
| 8. | Orthopaedics. | 16300 | 1392 |
| 9. | Dental. | 6090 | — |
| 10. | Psychiatric. | 2480 | — |
| 11. | Casualty Deptt. | 14181 | — |
| | Total. | 223055 | 15984 |

APPENDIX — II.

| Sr. No. | Designation | Name of the Officer. | Qualification | Period from to. | Remarks if any. |
|---------|---|------------------------------|---------------------------------|-----------------|-----------------|
| 1. | 2. | 3. | 4. | 5. | 6. |
| 1. | Medical Supdt. & Head of Gyn. & Obst. Unit. | Dr. (Smt.) S. K. Saraf. | M. D. D. G. O. D. (P) P. | — | — |
| 2. | Hon. Paediatrician. | Dr. N. N. Desai. | M. R. C. P. D. C. H. (Lon) | — | — |
| 3. | Hon. Surgeon. | Dr. D. V. Bhagat. | M. S. (Bom). | — | — |
| 4. | Hon. Physician. | Dr. V. Y. Chavan. | M. D. F. C. P. S. | — | — |
| 5. | Hon. Asst. Paed. | Dr. (Smt.) Shalini Bhatt. | M.D.D.H.C. (Bom) | — | — |
| 6. | Hon. Asst. Surgeon. | Dr. A. R. Nerkar. | M. S. (Bom.) M.R.S.H. (Lond) | — | — |
| 7. | Hon. Asstt. Anaesthsist. | Dr. M. R. Kamdar. | M. D. | — | — |
| 8. | Hon. Asstt. Obst. & Gyn. Unit. | Dr. (Smt.) Lata M. Dandekar. | M.D.D.G.O. D. F. P. | — | — |
| 9. | Hon. Asst. Surgeon. E.N.T. | Dr. K. P. Morwani. | M.S.D.O.R.L. | — | — |
| 10. | Hon. Asst. Surgeon Ortho. | Dr. A. N. Parelkar. | M.S. (Ortho) | — | — |
| 11. | Hon. Asst. Dermatology. | Dr. M. B. Kukreja. | M.D.D. V. & D. | — | — |
| 12. | Hon. Asstt. Radiologist. | Dr. V. V. Chedda. | M.D. (Radiology) | — | — |
| 13. | Hon. Asst. Opth. | Dr. N. S. Athinkar. | M.S.D.O.M.S. | — | — |
| 14. | Hon. Asst. Psychiatric. | Dr. K. S. Ayyar. | M. D. (Psychiatry). | — | — |
| 15. | Hon. Asst. Part-time Dentist. | Dr. S. S. Deodhar. | B. D. S. (Bombay). | — | — |
| 16. | Hon. Asst. Pathology. | Dr. S. S. Avasare. | M. D. (Patho). D. P. B. | — | — |

APPENDIX — III

Distribution of Beds.

| Sr. No. | Department | Male | Female | Children | Total |
|---------|--------------|------|--------|-----------|-------|
| 1. | Medical | 30 | 18 | ... | 48 |
| 2. | Surgical | 35 | 17 | ... | 52 |
| 3. | Gyn. & Obst. | ... | 75 | ... | 75 |
| 4. | Ortho. | 10 | 25 | ... | 35 |
| 5. | E. N. T. | 15 | 10 | ... | 25 |
| 6. | Ophthalmic | 15 | 10 | ... | 25 |
| 7. | Paediatrics | ... | ... | 35 | 35 |
| 8. | Casualty | ... | ... | ... | 5 |
| 9. | Total | 105 | 155 | 35+5 Cas. | 300 |

SHORT NOTE :—

The late Shri Harilal Bhagawati donated a piece of land to the Municipal Corporation in the year 1962 for construction of the hospital so as to provide Medical relief facilities to the people staying in the Northern end of the city. Foundation stone was laid by Shri Marotrao Kannamwar the late chief Minister of Maharashtra on 1st September 1965 and the hospital was inaugurated by Shri Morarji Desai, the then Deputy Prime Minister of India on 4th February 1968. Originally the hospital started with 50 beds with only two wards, one for females and another for males. There was a unit of two operation Theatres and

laboratory for routine pathological examinations. In the year 1971 paediatrics ward with 30 beds was added and the bed strength of the existing wards was increased by 10 each making the total bed strength to 100. In the year 1975 expansion activities started at the hospital and all specialised departments such as Gynec., and Obstetrics, E. N. T. Ortho. Ophthalmic and Skin and V. D. Radiology Pathology Anti Rabic-Immunization Audiology and speech Therapy, Poor Box charity fund, Dispensary, Family planning centre special facilities to Municipal Employees Laboratory, Internship for post Graduate, etc., were gradually raising the total bed strength to 300. The No. of operation Theatres was also increased to 7. We have now 2 of operations Theatres. Two suits have been air-conditioned.

The Blood Bank at the hospital was put in to commission in August 1977. It is working round the clock on receipt of donation form the Lions Club of Borivli (W).

It has been named after Shri Keshavji Jathuchand Bhonsali lion Blood Bank on 24th June 1979.

The hospital had no casualty Department and cases of accidents etc., were therefore, directed to Dr. R. N. Cooper Hospital the casualty Department at the hospital was put into commission from 25th May 1978.

Part time Dental Clinics started at this hospital from March 1978 School Clinics started from 3rd March 1980 Psychiatrics department from 8th September 1980.

The following Departments and services exist at the hospital.

| Department. | Bed strength |
|------------------|--------------|
| 1) Medical. | 48 |
| 2) Surgical. | 52 |
| 3) Orthopaedics. | 35 |
| 4) E. N. T. | 25 |
| 5) Ophthalmic. | 25 |
| 6) Gynec & Obst. | 75 |
| 7) Paediatrics. | 35 |
| 8) Casualty. | 5 |
| Total | 300 |

- 9) Skin & V. D.
- 10) E. C. G. Department.
- 11) Radiology Department.
- 12) Pathology Department.
- 13) Blood Bank (Round-the clock).
- 14) Occupational Therapy and physio Therapy (Part-time).
- 15) Dental clinics (Part-time).
- 16) Medical Record Department.
- 17) Social Service Department.
- 18) Family Welfare Centre.
- 19) Immunization Centre.
- 20) Mobile Dispensary.
- 21) Ambulance service & Hearse service (Round the clock).
- 22) School clinics.
- 23) Psychiatric Department.
- 24) Audiology and speech Therapy Department.
- 25) Poor Box Charity Fund.
- 26) Library Department.
- 27) Leprosy Clinic.
- 28) T. B. Clinic.
- 29) Nursing Training School.

This hospital has facilities of supply of liquid Petroleum Gas through pipes to kitchen and Ward pantries for which a Gas tank with 10 Metric tonnes capacity has been installed in the compound of the hospital, the facility of centralised supply of medical gases and suction systems has been installed and started function.

Nurses Training school is started with 20 student nurses at this hospital in the 1981 and necessary construction have been completed for classroom, laboratories with furniture facilities. There are three buildings constructing 40 block for residential quarters in the hospital, which accomodated essential staff.

Mortury department at this hospital was put into commission from 6th May 1983 major repairs of this hospital was started from 5th May 1984. Leprosy clinic was put into commission from 23rd July 1984.

Medical Superintendent,
Shri H.B.M.G. Hospital,
Borivli, Bombay — 92.

ENGINEERING HIGH LIGHTS

| | | | |
|----|-------------------------------|--|------------------------|
| I. | A) EXPENDITURE | | <i>(Rs. in crores)</i> |
| | Expenditure incurred | | 8.53 |
| | 1. On execution of loan works | | 8.31 |
| | 2. On execution on Loan Works | | 9.69 |
| | 3. On Establishment | | |
| | 4. On other heads : | | |
| | a) From Loan Works Budget | | 4.80 |
| | b) From Revenue Budget | | 3.05 |
| | B. Revenue Earned | | 6.16 |

II. ACHIEVEMENTS

1. Building Construction Branch :

| | Completed | | In progress | |
|---|-----------|-----|-------------|-----|
| | Bldg. | T/s | Bldg. | T/s |
| a) Housing Tenements | 8 | 3 | 11 | 5 |
| b) School Buildings | 1 | — | 6 | — |
| c) Markets | — | — | — | — |
| d) Hospitals, Maternity Home, Dispensaries | 5 | — | 14 | — |
| e) Other building work | 13 | — | 27 | — |

III. SLUM IMPROVEMENT BRANCH :

| | | |
|----|-----------------------------------|-----|
| i) | Colonies covered for improvements | 162 |
|----|-----------------------------------|-----|

IV. CIVIL & ENVIRONMENTAL SANITATION & PROJECT :

| | | |
|------|--|------|
| | | Nos. |
| i) | Air Pollution Complaints attended | 433 |
| ii) | No Objection Certificate issued | 152 |
| iii) | Proposals for renewal of Permit/licences, additional power, change of fuel etc. | 465 |
| iv) | Registration of electrical furnaces/ovens. | 44 |

Total : 1094

V. MAINTENANCE OF MUNICIPAL PROPERTIES :

| | | |
|-----|----------------------------------|------|
| i) | Buildings | 2198 |
| ii) | Works carried out through P.W.C. | 2067 |

DY. CITY ENGINEER (PLANNING & DESIGN)

This branch is headed by Deputy City Engineer (Planning and Design). The main activities of this branch are as follows :

1. Preparation of layout and detailed plans for the Municipal Building, Gardens etc.
2. Invitation of tenders and awarding contracts for
 - a) Construction of Municipal Buildings for different services.
 - b) Structural and major repairs to old buildings.
 - c) Specialised waterproofing to terraces and sanitary block of Municipal buildings.
 - d) Annual ward petty work contracts.
 - e) Supply of drawing materials.
 - f) Maintenance of Head Office building.
3. Monitoring of the works done by the petty works contractors

The details of works carried out during the year under Report are as on page No. 11.

Administration Report for the period 1-4-1987 to 31-3-1988

| Sr. No. | Particulars | General Bldg. Works | | Housing | | Slum Improvement | | P.W.C. | Annual contract drawing material | Providing furniture to Muni. properties | Waterproofing treatment to M Properties and construction of compound walls. |
|---------|--|---------------------|-------------------|---------|------|------------------|------|--------|----------------------------------|---|---|
| | | City | Sub & Extd. Subs. | City | Subs | City | Sub | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| 1. | Cloth Tracing | — | — | — | — | — | — | — | — | — | — |
| 2. | Paper tracing (General Drgs.) | — | — | — | — | — | — | — | 355 | — | — |
| 3. | Blue print copies | — | — | — | — | — | — | — | 18123 | — | — |
| 4. | Block Estimates | 20 | 16 | 9 | 4 | — | — | — | — | 2 | 90 |
| 5. | Amount of block estimates (in crores) | 6 | 5.95 | 2.7 | 1 | — | 0.22 | — | — | 0.11 | 2.45 |
| 6. | Detailed plans and estimates. | 62 | 39 | 7 | 3 | — | 1 | — | — | 25 | 39 |
| 7. | Amount of detailed estimates (in crores) | 14.01 | 7.92 | 1.19 | 0.03 | — | 2 | — | — | 0.92 | 11.26 |
| 8. | Contract awarded | 11 | 13 | — | — | — | — | — | 5 | 28 | 45 |
| 9. | Detailed estimates in hand | 27 | 17 | 2 | 2 | — | — | — | — | 12 | — |
| 10. | Approximate cost of detailed estimates in hand (in crores) | 5.67 | 3.03 | 0.72 | 0.04 | — | 0.03 | — | — | 0.06 | — |

BRIHANMUMBAI MAHANAGARPALIKA

SLUMS

Since the establishment of the Slum Improvement Cell in 1969, the work of providing civic amenities in different hutment colonies has been continued under the programme of environment of slums.

During the year 1987-88 the amenities beneficial to the population of about 1,27,680.00 were provided in slum colonies under the Slum Improvement Programme during the year. The Corporation have provided 1210 numbers of W.C./A.P. seats 2,37,519 sq. m. passages and 74,427 R.M. Drain and 274 number of taps and 6 poles in various slums during the year.

A. The works completed during the year :

1. Slum Improvement works of basic amenities 131 slums.
2. Slum Improvement work of additional amenities nil.

B. Works in progress during the year :

1. Slum Improvement work of basic amenities 21 slums.
2. Temporary schools — 10 (Ten)
2. Slum Upgradation Programme during the year :
Co-operative societies formed under the slum Upgradation Programme consisting of 190 households.
3. B. U. D. P. — I Site and Service during the year :
1. Works started :
Construction of primary school at Charkop, Kandivali.

ENVIRONMENTAL SANITATION AND PROJECTS DEPARTMENT

The department works under the overall supervision, guidance and control of the Dy. City Engineer (Civil) Env. Sanitation and Projects.

The activities of various sections of this department during the year were as follows :—

1. ENFORCEMENT SECTION :

A — AIR POLLUTION CONTROL :

This section is concerned with factory administration and licensing from air pollution angle.

During the year, 1094 cases were dealt with as under :—

| | |
|---|-----|
| 1. Air Pollution Complaints | 433 |
| 2. No. Objection Certificates | 152 |
| 3. Proposals for renewal of permit/licences additional power, change of fuel etc. | 465 |
| 4. Registration of electrical furnances/ovens. | 44 |

Total : 1094

Air Pollution Abatement fees amounting to about Rs. 65,00,000.00 were collected from various industries during the year.

B — WATER POLLUTION CONTROL :

A No. of industries are discharging their industrial effluent into municipal drains and sewers, etc., without treatment causing nuisance. Action against such — industries is inevitable.

Accordingly, scrutiny of such industries has been started and requisite information is called to assess the quantity and quality of effluent. Consent of M. P. C. Board is also insisted upon.

The industries are directed to submit proposals for arrangement for effluent treatment and disposal with reference to the consent characteristics. Such proposals are scrutinised and industries are directed to provide — Effluent Treatment Plants (ETP) wherever necessary.

The industries' proposals for renewal of permit/licence, additional power, additional water quota, etc., are considered on grounds of steps proposed to be taken by them for effluent treatment.

If the industry fails to comply with requirements in respect of effluent treatment and disposal suitable action is recommended to respective Ward Officers. With the effective pursuance many industries are coming forward to execute scheme for treatment and disposal of effluent.

During the year under report 20 N. O. Cs. for construction of Effluent Treatment Plants (ETP) were issued by this department. Besides, 7 N. O. Cs., for commissioning of the plants — construction were issued.

Summarising Abatement of pollution as well as pollution prevention measures are ensured by advising Ward Offices to ensure implementation of pollution prevention measures by the concerned industries or the establishment or requesting Ward Offices to ensure effective action against erring industries under the provisions of B.M.C. Act.

SPECIAL PROJECTS

1. Remodelling of Dhobi Ghat at Mahalaxmi:

There has not been any progress in respect of this project during the year as Court Case is not yet decided

2. Rehabilitation of potters at Dharavi, Kumbharwada:

The project involves socio-economic problems and due to paucity of funds with the potters, the scheme for development of the area could not progress during the year.

3. Task Force on Quarrying Operation in the City:

Number of meeting were held of the members of the "Task Force" appointed for Geological Survey and prospecting a B.M.R. for locating construction materials and identifying future area for quarrying in B.M.R. under the chairmanship of Secretary, Revenue 80 Forest Department. The report prepared by the committee has already been submitted to the Minister Revenue Department on 15th January 1988 by the Chairman of the Committee.

However, under this report the recommendations are for a short duration of two years and hence the B.M.R.D.A. has proposed to undertake the detailed survey for locating and indentifying the future area where quarrying can be done.

One Assitstat Engineer form Dy. C.E.(C)E.S.P.Department will work as Liason Officer for the work to be undertaken by B.M.R.D.A.

2. EMISSION INVENTORY GROUP

i) The work of compilation of a comprehensive emission inventory of all polluting sources is in progress.

Amongst the various available methods, the methods of "collecting data by sending questionnaires" was adopted. Industrial sector was given priority.

Based on the data collected, the industries have been categorised into different slabs according to their connected power load. Master data sheets incorporating general information of a factory were sent to factories having connected load over 200 H.P. Process data questionnaire asking further details like fuel consumption, production details, raw materials used and nature and extent of emissions, were also posted to these industries. Based on the information collected, further wardwise and activitywise tabulations have been prepared. The factories have been classified into 29 groups according to their activities for standardisation.

A Laboratory has been set-up for analysis of emission samples collected with the help of stack sampling equipment.

Total 21 stacks have been monitored, in which the industries covered are viz., Parle Beverage Ltd., Vile-Parle, Carona Sahu Shoe Co., Jogeshwari, Britania Industries Ltd., Mazgaon, Chandañwadi Electric Crematorium; Polychem Ltd., Goregaon; Bhor Industries Ltd., Prabhadevi, Morarjee Mills No. 2, Lower Parel, Roche Products Ltd., Tardeo, Kwality Frozen Foods Ltd., Worli, Western Ministill Ltd., Mulund. All the Ward Officers were informed to get the stack — monitoring facilities prepared from the industries.

ii) Auto Exhaust Pollution :

Auto Exhaust Analyser of "Horiba" make, Japan, has been purchased to measure auto exhaust emissions of CO and HC, for petrol driven vehicles and Hartridge Smoke Meter to measure the smoke density of auto exhaust emissions from diesel driven vehicles.

This Group has also been authorised to check municipal vehicles and vehicles belonging to municipal officers for pollution control and issue certificates about pollution under control. A fee of Rs. 12/- per vehicle per test is charged in respect of vehicles of municipal officers whereas municipal vehicles are tested free of charge. Total 85 vehicles have been tested.

iii) Noise Pollution :

Noise levels were measured fifteen times to investigate into various complaints due to noise nuisance.

iv) I. S. I. Matters

I. S. I. meetings of Committees relating to air quality have been attended from time to time. Suggestions to amend the existing standards and formulation of new standards were also submitted for consideration of the I. S. I.

3. AIR QUALITY MONITORING & RESEARCH LABORATORY :

The Air Quality Monitoring and Research Laboratory at Khar has receptor oriented 22 air monitoring stations in different parts of the city. The air samples collected at these stations are analysed at the Laboratory for Gaseous pollutants like SO₂, NO₂, NH₃ and SPM. SPM is further analysed for Carcinogens, Heavy Metals, Sulphates, Nitrates etc., Metrorological studies are also carried out and ambient air quality is studied with respect to prevailing Metrorological conditions (details in Annexure-I). The analysis of samples is carried out with highly precision Scientific Methods like Gas Chromatography, Calorimetry, Fluorometry, Atomic Absorption etc.

The Laboratory also carried out spot monitorings in case of accidental leakages of gases of complaints of severe air pollution to locate the source and extent of air pollution (details of annexure-II). Air Quality Monitoring at traffic junctions is carried out to assess the impact of auto exhaust pollution (details in Annexure - III).

4. Civil Defence & Vigilance over Mech/Elect. works.

A — Civil Defence

(i) Training to Volunteers

The activity of imparting training to the Municipal Employees in Civil Defence Courses in liaison with the Director of Civil Defence of the State Government has been continued and during the year under report '47' employees under went training.

(ii) Revision of Plans.

(a) Operational and Survival plans for the emergency services for Civil Defence are being revised for the period ending 31-3-1988. The matter is being followed up with the concerned Departments.

B — Vigilance over Mech/Elect. Works.

Technical audit in respect of 80 cases was carried out.

In all 150 electrical, mechanical and refrigeration works were inspected. The Rebate of Rs. 15,175/- and penalty of Rs. 6,500/- was recovered.

C. Installation & Maintenance of Telephones in Municipal Head Office.

Routine maintenance and repairs to PABX 60 + 600 exchanges at Municipal Head Office is got done through Mahanagar Telephone Nigam Ltd. shifting of telephone extension at Municipal Head Office is followed up with Mahanagar Telephone Nigam Ltd.

MAINTENANCE OF MUNICIPAL BUILDINGS :

(i) Municipal Building : In the City and Suburbs at end of the year :—

(a) Housing : 29604 Nos. of tenements are in the City and 8884 Nos. of tenements are in the Suburbs.

(b) Other Bldgs. : 1556 in the City and 642 in the Subs.

The works of maintenance is classified under the major head :— (1) Normal Repairs (2) Special repairs and (3) New works.

Monsoon repairs are also included in Normal repairs. Special repairs cover the works which are likely to increase the life of buildings and structures. New works cover the works of additions and alterations to the buildings as also those of providing additional amenities.

This year the repairs and maintenance works of the Municipal properties were carried out either departmentally or through petty works contractors.

The total expenditure incurred on the maintenance of Municipal properties was Rs. 864.34 lakhs (City Rs. 482.59 lakhs and Suburbs Rs. 381.75 lakhs). Out of this, amount of Rs. 250.57 lakhs was spent on normal maintenance. And amount of Rs. 513.80 lakhs was spent on New and Special Repairs Works costing Rs. 835.02 lakhs (City : Rs. 402.85 lakhs and Suburbs : Rs. 432.17 lakhs) were executed through the petty works - contractors. Total Nos. of works carried out through the petty works contractors was 2,067 and Total No. of works carried out departmentally was 17,223 and the expenditure incurred was Rs. 190.88 lakhs and Rs. 832.02 lakhs on departmental and P. W. C. works respectively.

Building Construction Branch :

The branch supervised the work of building construction after contracts are awarded by Planning and Designing Department. A synopsis at the work done by this branch during the year is as under :—

| Particulars | Zone | Nos. | Works completed | Nos. | Works in progress. |
|--------------------------------------|-------|------|---------------------------|------|------------------------------|
| | | | Actual cost (in lacs) Rs. | | Estimated cost (in lacs) Rs. |
| 1. | 2. | 3. | 4. | 5. | 6. |
| A — Housing : | | | | | |
| (a) Works including pile, foundation | City | 8 | 61.61 | 10 | 109.89 |
| | W. S. | — | — | 1 | 34.57 |
| | E. S. | — | — | — | — |
| (b) Structures | City | — | — | — | — |
| | W. S. | — | — | — | — |
| | E. S. | — | — | — | — |
| (c) Tenements | City | — | — | — | — |
| | W.S. | — | — | — | — |
| | E. S. | 3 | 202.30 | 5 | 62.75 |

| 1. | 2. | 3. | 4. | 5. | 6. |
|------------------------------|-------|----|--------|----|---------|
| BUILDING | | | | | |
| B) Other than Housing | | | | | |
| (a) Schools | City | — | — | — | — |
| | W. S. | 1 | 5.56 | 5 | 381.56 |
| | E. S. | — | — | 1 | 27.52 |
| (b) Markets | City | — | — | — | — |
| | W. S. | — | — | — | — |
| | E. S. | — | — | — | — |
| (c) Hospitals | City | 5 | 22.54 | 9 | 158.43 |
| Maternity Home. | W. S. | — | — | 2 | 115.80 |
| & Dispensary | E. S. | — | — | 3 | 32.32 |
| (d) Other works. | City | 6 | 77.02 | 9 | 81.18 |
| | W. S. | 4 | 13.55 | 10 | 1639.01 |
| | E. S. | 3 | 553.66 | 8 | 35.22 |

APPENDIX No. 1

Statement showing the works of building construction completed and those in progress.

'A' WORKS COMPLETED**AMOUNT SHOWN IN LACS**

| Sr. No. | Name of the work | Expenditure Rs. |
|-------------------------------|---|-----------------|
| (a) Housing | | |
| City | | |
| 1. | Construction of dispensary and staff quarters at Banganga. | 23.00 |
| 2. | Construction of T/S at H.S. Chawl, Prabhadevi. | 14.23 |
| 3. | Proposed structural repairs to Bldg. No. 3, 168 T/S at M.L. Camp, Dharavi. | 3.86 |
| 4. | Repairs to Muni. Quarters at G/North Ward Office. | 3.85 |
| 5. | Construction of 48 T/S at M. P. Mill Compound, Tardeo. | 11.24 |
| 6. | W.P.T. to B.I.T. Chawls at Chinchbunder | 2.85 |
| 7. | P.F. for reconstruction of 'A' and 'B' blocks on plot reserved for Conservancy staff at S. G. Marg. | 2.58 |
| Total Rs. : | | 61.61 |
| Western Suburbs : | | |
| NIL | | |
| Eastern Suburbs : | | |
| 1. | Completing incomplete work of 180 tenements (out of 600 tenements) including repairs and construction of Roads, Storm water drains, drainage, compound wall for entire layout of 600 tenements at Deonar. | 64.50 |
| 2. | Completing incomplete work including repairs of 216 tenements (part of 600 tenements) at Deonar including Electrification etc. | 60.68 |
| 3. | Completing incomplete work including repairs and electrification etc. 204 tenements (part of 600 tenements) at Deonar. | 77.12 |
| Total Rs. : | | 202.30 |
| b — Other than Housing | | |
| City | | |
| 1. | Repairs to Muni. Maternity Home, Mahim. | 7.31 |
| 2. | Additions and alterations in the Operation Theatre in C.V.T.C. Bldg. in K.E.M. Hospital. | 9.84 |
| 3. | Proposed various works in V.J.B. Udyan, Byculla. | 17.56 |
| 4. | W.P.T. to School Bldg. at Wadia Street, Tardeo. | 1.22 |
| 5. | Corrective measures to be taken at Bhandarwada Hill Reservoir | 4.64 |
| 6. | Proposed manifold room in existing Ambulance Garage at L.T.M.G. Hospital, Sion. | 1.39 |
| 7. | Proposed renovation of Autopsy room at K.E.M. Hospital | 1.27 |
| 8. | Construction of mustering chowkies, urinal blocks, refuse sheds at 'A' to 'G' Ward in City. | 0.57 |
| 9. | Proposed reconstruction of Memonwada Fire Brigade Station at Bhandi Bazar, 'B' Ward. | 52.08 |
| 10. | Cutting of cement mounds in the Cement Godown at N. M. Joshi Marg, Byculla, Phase—II. | 0.97 |
| 11. | Proposed work of additions and alterations to the existing buildings of Nair Dental College. | 2.73 |
| Total Rs. : | | 99.56 |

| Sr. No. | Name of the work | Expenditure Rs. |
|------------------------|---|-----------------|
| WESTERN SUBURBS | | |
| 1. | Repairs to S. V. P. Swimming Pool at Kandivali (West). | 7.79 |
| 2. | Construction of Muslim Cemetery at Malvani, Malad (West). | 3.05 |
| 3. | Construction of Christian Cemetery near Transit Camp, Oshivara (West). | 1.81 |
| 4. | Proposed construction of remaining work of transport garage at old Slaughter House, Bandra. | 00.89 |
| 5. | Repairs to Poisar, School Bldg. at Kandivali (West). | 5.56 |
| Total Rs. : | | <u>19.10</u> |

| | | |
|------------------------|---|---------------|
| EASTERN SUBURBS | | |
| 1. | Construction of retaining wall and under ground suction tank at Lal Dongar Hillock — Chembur: | 2.24 |
| 2. | Construction of Sports Complex at Sonar Bangla Park, Mulund (West). | 500.23 |
| 3. | Proposed development of Garden at M.P. Road, Mulund (East). | 53.43 |
| Total Rs. : | | <u>555.90</u> |

'B' WORKS IN PROGRESS*(Rs. in lacs) (Rs. in lacs)*

| Sr. No. | Name of the work | Estimated cost | Expenditure booked upto 31-3-1988 |
|-------------------------|---|----------------|-----------------------------------|
| (a) Housing City | | | |
| 1. | Proposed construction of 72 T/S on Housing reservation near Shivaji Maharaj Kridangan behind Garmkhada Market, Lalbaug, F/South Ward. | 38.45 | 12.48 |
| 2. | Proposed repairs to Conservancy Chawls A to I at Approach Road 'D' Ward. | 9.82 | — |
| 3. | Proposed repairs to the A.H.S. Chawls 'A' and 'B', Palton Road, 'A' Ward. | 29.22 | — |
| 4. | Proposed demolition and re-construction of passage, W.C. and staircase of chawl at 468, N. M. Joshi Marg. | 7.56 | — |
| 5. | W.P.T. to terrace and guniting to R.C.C. work of Bldg. No. 'C', of 88 T/S at Wadala, F/North Ward. | 2.16 | — |
| 6. | W.P.T. to the terrace and guniting treatment to R.C.C. work bldg. No. 'A' and 'B', T/S F/North Ward. | 4.38 | — |
| 7. | W.P.T. to the terrace of Worli Fire Station and staff quarters G/S Ward. | 2.50 | — |
| 8. | W.P.T. to the terrace of B. I. T. Chawl No. 19 at Sofiya Zuber Road, 'E' Ward. | 2.40 | — |
| 9. | Providing guniting treatment to the R. C. C. work and W.P.T. to the various MUDH Bldg., at Sahkar Nagar, Wadala. | 9.38 | 7.96 |
| 10. | W.P.T. to the terrace of Casulty Quarters (one bldg.) and Security Office Quarters, K.E.M. Hospital, Parel. | 1.52 | — |
| Total Rs. : | | <u>107.39</u> | <u>20.44</u> |
| Western Suburbs | | | |
| 1. | Construction of 48 tenements at Dayaldas Road, Vile Parle (E) | 34.57 | — |
| Total Rs. : | | <u>34.57</u> | <u>—</u> |

| Sr. No. | Name of the work | Estimated cost | Expenditure booked upto 31-3-1988 |
|------------------------|---|----------------|-----------------------------------|
| Eastern Suburbs | | | |
| 1. | Construction of multi-storeyed bldg., in compound of 664 Tenements at Park Site Colony, Vikhroli (West) | 43.92 | — |
| 2. | Providing tarfelt type water proofing treatment to the terraces and guniting treatment to R.C.C. slabs of Munl. staff quarters 'E' and 'G' blocks at Deonar Municipal Colony (Bldg. No. E6,E7, E8, E12, & G3, G4 & G5). | 4.98 | — |
| 3. | Proposed repairs works (civil & Electrical) to the Conservancy staff quarters at Dadasaheb — Gaikwad Road, Mulund (West). | 18.83 | — |
| 4. | Waterproofing treatment to terrace (2 Bldgs.) of staff Qrts. at Kurla Garden, L.B.S. Marg, Kurla. | 1.98 | — |
| 5. | Waterproofing treatment to the terrace of conservancy staff Qurts. at Park site Colony, Vikhroli. | 3.21 | — |
| Total Rs. : | | <u>72.92</u> | |
| 1. | Completing the incomplete work of Electric Crematorium at Shivaji Park | 24.50 | 15.20 |
| 2. | Construction of Students Hostel at L.T.M.G. College, Sion. | 58.51 | 27.33 |
| 3. | Repairs to old main Annexe Bldg. in Nair Hospital Compound. | 62.80 | — |
| 4. | Completing the incomplete work of multi-storeyed Bldg. for Orthopedic Hospital, K. E. M. Hospital. | 10.26 | 5.78 |
| 5. | Repairs to Munl. H. O. (Old) Bldg. at V.T. Fort, Phase-III | 40.94 | — |
| 6. | Proposed demolition of existing compound wall construction of new compound wall and replastering of existing compound wall for — electric crematorium at Shivaji Park. | 0.99 | — |
| 7. | Repairs and replacement of furniture, other items — damaged due to flooding Dental College of Nair Hospital. | 0.68 | — |
| 8. | Proposed construction of new R.C.C. Staircase to Mun. School Bldg. at Mahilashram Rd., Matunga, F/N Ward. | 2.60 | — |
| 9. | W.P.T. to the terrace of B-Turner Block, G.T.B. Hospital, F/South Ward. | 2.27 | — |
| 10. | Providing W.P.T. to Sanitary Block at Gr. Fl. at bldg. No. 1 & 2 of L.T.M.G. Hospital Sion. | 4.66 | — |
| 11. | W.P.T. to the terrace of G.T.B. Main Bldg., Sewree, F/S Ward. | 4.99 | — |
| 12. | Repairs & replacement of damaged furniture & other items due to flooding at Nair Hospital (Part-I) | 3.24 | 1.41 |
| 13. | proposed underground water tank and elevated Service Reservoir in Kasturba Hospital Compound | 11.02 | — |
| 14. | Repairs to Mun. Sports Club at Shivaji Park (Near Vanita Samaj Mandir Hall) | 2.50 | 0.58 |
| 15. | W.P.T. to the terrace of Topiwala Lane Mun. School, 'D' Ward. | 2.86 | — |
| 16. | W.P.T. to the terrace of Mun. School of 1st & 3rd Panjarpole Lane, 'C' Ward. | 2.12 | — |
| 17. | W.P.T. to the terrace of Kawthe Math Mun. School, 'D' Ward. | 2.91 | — |
| 18. | Providing & fixing T.W. Partitions doors and false ceiling in development room at Mun. Printing Press at Carnac Bridge. | 0.98 | 1.76 |
| TOTAL : | | <u>238.83</u> | <u>52.06</u> |

WESTERN SUBURBS :

| | | | |
|-----|---|----------------|---------------|
| 1. | Construction of compound wall at various Municipal Plots in K/West Ward. | 85.54 | --- |
| 2. | Construction of compound wall at various Municipal Plots in K/East Ward. | 122.93 | --- |
| 3. | Construction of Sports complex at the junction of J. P. Rd. and Veera Desai Road, Andheri (West). | 1297.41 | 113.38 |
| 4. | Major repairs to Bhagwati Hospital at Borivli (West) | 1297.41 | 1.15 |
| 5. | Construction of school building at Khotiwadi, Santacruz (West) | 66.00 | --- |
| 6. | Construction of school building at M. W. Desai Garden, Malvani, Malad (W). | 140.77 | --- |
| 7. | Major repairs to Mun. Primary School at Kher Nagar, Bandra (West) | 143.83 | 5.42 |
| 8. | Construction of H/East Ward Office at Santacruz (West) | 34.96 | 1.98 |
| 9. | Construction of Hindu & Christian Cemeteries at J. V. P. D. Scheme, Vile-Parle (West) | 20.96 | --- |
| 10. | General repairs to R. N. Cooper Hospital, Juhu, Phase-I. | 63.31 | 4.43 |
| 11. | Repairs to Conservancy Staff Quarters at A. B. Nair Road, Juhu. | 49.90 | 6.47 |
| 12. | Construction of stage at the compound of S.V.P. Swimming Pool, Kandivli (West) | 5.76 | --- |
| 13. | Annual contract of water proofing in H. & K Wards | 4.89 | --- |
| 14. | Annual contract of water proofing in 'P' & 'R' Wards | 10.00 | --- |
| 15. | Repairs to Manilal Sungerji School at Vile-parle (West) | 10.00 | --- |
| 16. | Construction of Muslim Cemetery at Oshivra, Jogeshwari (West) | 8.00 | --- |
| 17. | Construction of school building at Oshivra Dumping Ground | 18.20 | --- |
| | | 54.00 | --- |
| | TOTAL : | 2136.36 | 132.83 |

EASTERN SUBURBS :

| | | | |
|-----|--|---------------|--------------|
| 1. | Proposed construction of ground floor of school bldg. at Mithagar Road, Mulund (East) | 27.52 | 14.14 |
| 2. | Proposed construction of compound wall along reserved plot for school building at Mithagar Road, Mulund (East) | 2.30 | --- |
| 3. | Proposed repair works (Civil & Electrical) to the maternity home at Chembur Naka. | 11.09 | 1.15 |
| 4. | Completing incomplete work of Buddha Temple at Chembur Labour Camp | 2.38 | --- |
| 5. | Proposed construction of Muslim Burial Ground at Cheeta Camp | 20.63 | --- |
| 6. | Proposed fire escape staircase at Kuria Bhabha Hospital | 8.77 | --- |
| 7. | Proposed repair works (Civil & Electrical) to Chunabhatti Maternity Home, Kurla | 12.46 | --- |
| 8. | Providing water-proofing treatment to the terraces of :— | | |
| | i. Sheep Unloading Ramp | 4.84 | --- |
| | ii. Cattle Unloading Ramp. | | |
| | iii. Administration Building | | |
| | iv. Pump House at Deonar Abattoir | | |
| 9. | W. P. T. to terrace of Male Paying Ward at Bhabha Hospital, Kurla (W) | 1.01 | --- |
| 10. | W.P.T. to the terrace and allied works at Dr. Ambedkar Hospital Bldg. at Kannamwar Nagar, Vikhroli, 'S' Ward | 3.14 | --- |
| 11. | Proposed construction of cemetery at Park Site Colony, Vikhroli (W) | 14.59 | 4.29 |
| 12. | W.P.T. to the terrace at Barve Nagar, Municipal School at R.D. Kadam Marg, Ghatkoper (West) | 3.93 | --- |
| | TOTAL : | 112.66 | 19.58 |

DY. CITY ENGINEER (PROJECT)**STATEMENT SHOWING THE WORKS COMPLETED AND THOSE IN PROGRESS**

'A' works completed

Amounts shown in lakhs

| Sr. No. | Name of the work | Expenditure Rs. |
|---------|--|-----------------|
| 1. | Construction of F. O. B. across D.N. Road, at V.T. | 0.26 |
| 2. | Enclosure of open space below Flyover Bridge at Parel T.T. | 2.14 |
| 3. | Repairs and protective treatment to Princess Street Flyover Bridge | 8.96 |
| | Total Rs. : | 11.36 |

work terminated

'B' works in progress :

| Sr. No. | Name of the work | Estimate cost Rs. in lakhs | Expenditure incurred upto 31-3-1988 Rs. in lakhs |
|-------------|---|----------------------------------|--|
| 1. | Construction of R. O. B. along T. H. Katerio Marg, near Matunga Rd., Rly-station (W.R.) in lieu of L.C. No. 15. | 254.03 | 55.42 |
| 2. | Maintenance of foot over Bridges, vehicales Bridges and Subway etc. in Greater Bombay | 51.75 | 12.51 (City) - (W.S.) 2.92 (E.S.) |
| 3. | Constn. of R.O.B. along Goregaon Mulund Link Road in lieu of L.C. No. 29 on Wes. Railway between Goregaon & Malad Railway Station | 261.85 | 8.93 |
| 4. | Reconstn. of 4 culverts along prakash Thorat Marg. at Chembur | 9.00 | 1.12 |
| 5. | Extension of existing F.O.B. across W. Railway track on the Eastern site of Vile-parle Railway Station | 6.85 | — |
| Total Rs. : | | 583.48 | 80.91 |

Air quality Monitoring Programme during the year 1987-88.

ANNEXURE — I,

| Sr. No. | Station | Code | Ward | Locational Address | Date of Installation | No. of sampling days in the year | Number of | | | Samples collected & analysed for | | | |
|---------|------------|--------|------|---|----------------------|----------------------------------|-----------------|-----------------|-----------------|----------------------------------|----------------|---------------------------|-------|
| | | | | | | | SO ² | NO ² | NH ³ | SPM | SPM para-meter | Meteorological para-meter | TOTAL |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
| 1. | Colaba | R : 1 | A | Transport House, BBST Shahid Bhagat-singh Rd. Colaba, Bombay-4000 39. | 11-6-80 | 32 | 186 | 374 | 187 | 95 | 684 | 2131 | 3857 |
| 2. | Babul Tank | R : 2 | B | Imamwada Municipal Secondary School, Imamwada Road, Bombay — 400 009. | 14-4-78 | 57 | 325 | 653 | 327 | 166 | 755 | 2632 | 4858 |
| 3. | Worli Naka | R : 3 | G/S | Worli Naka Municipal School Dr. A. B. Road, Worli, Bombay — 400 018. | 12-1-85 | 73 | 428 | 855 | 426 | 218 | 991 | 4761 | 7679 |
| 4. | Dadar | R : 4 | G/N | Woolen Mill Lane, Mun. Secondary School, Dadar (West), Bombay — 400 016. | 15-4-79 | 71 | 419 | 838 | 419 | 208 | 1072 | 6853 | 9809 |
| 5. | Parel | R : 5 | F/S | Nare Park Mun. School, School No. 1, Parel, Bombay — 400 012. | 10-5-82 | 69 | 386 | 773 | 387 | 199 | 1030 | 4723 | 7498 |
| 6. | Sewree | R : 6 | F/S | Lalbehadur Shastri Nautical Engg. College, M. S. R. Road, Pump House, Bombay — 400 033. | 7-5-80 | 67 | 381 | 760 | 381 | 196 | 869 | 6133 | 8720 |
| 7. | Sion | R : 7 | F/N | Dnyan Vikas, Mun. Night Sr. College, Sion Mun. Secondary School, Sion (East), Bombay — 400 022. | 22-1-85 | 84 | 432 | 866 | 433 | 225 | 1003 | 6558 | 9517 |
| 8. | Khar | R : 8 | H/W | Mun. Dispensary, Near 78 Mun. Tenement, Swami Vivekanand Rd., Khar (W), Bombay — 400 052. | 4-1-78 | 71 | 408 | 816 | 408 | 207 | 1216 | 3248 | 6303 |
| 9. | Santacruz | R : 9 | H/W | Gezadar Park Mun. School, Near RBI Colony, Santacruz (West), Bombay — 400 052. | 12-1-78 | 34 | 182 | 364 | 182 | 93 | 777 | 2704 | 4302 |
| 10. | Andheri | R : 10 | K/E | Nityanand Marg Mun. School, Koldon-gari, Near Bahar Talkies, Andheri (East), Bombay — 400 055. | 19-12-86 | 54 | 308 | 615 | 308 | 158 | 558 | 779 | 2726 |

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. |
|-----|--------------|-------|-----|--|----------|------|------|-------|------|------|-------|-------|--------|
| 11. | Saki Naka | R: 11 | K/E | Municipal U. P. School, Near Marol Station, Saki Naka, Bombay — 400 072. | 17-4-79 | 72 | 393 | 784 | 393 | 201 | 716 | 6336 | 8823 |
| 12. | Jogeshwari | R: 12 | K/W | New Mun. School, Oshiwara Garden Rd., Jogeshwari (W), Bombay — 400 102. | 15-6-80 | 62 | 354 | 704 | 351 | 180 | 854 | 2731 | 5174 |
| 13. | Ghatkopar | R: 13 | N | Primary Mun. School No. 2, Pant Nagar, Ghatkopar (East), Bombay — 400 075. | 1-9-78 | 69 | 375 | 749 | 375 | 199 | 827 | 3104 | 5629 |
| 14. | Bhandup | R: 14 | S | Maharshi Vitthal Ramji Shinde Marg, Mun. School Near 'S' Ward Office, Bhandup, Bombay — 400 078. | 29-12-86 | 58 | 309 | 610 | 308 | 185 | 472 | 805 | 2667 |
| 15. | Mulund | R: 15 | T | Mun. Secondary School, P. Kheraj Road, Mulund (W), Bombay — 400 080. | 4-6-80 | 76 | 413 | 824 | 414 | 211 | 838 | 5885 | 8585 |
| 16. | Borivli | R: 16 | R/N | Sodawala Lane Mun. School Sodawala Lane, Borivli (W), Bombay — 400 092. | 22-8-78 | 66 | 382 | 762 | 379 | 195 | 861 | 6205 | 8784 |
| 17. | Tilak Nagar | R: 17 | M/W | Municipal Dispensary, Tilak Nagar, Chembur (W), Bombay — 400 089. | 17-5-82 | 68 | 393 | 782 | 391 | 201 | 880 | 3117 | 5764 |
| 18. | Chembur Naka | R: 18 | M/W | Mun. U. P. School, Chembur Naka, Ghatkopar, Mahul Nagar, Bombay — 400 071. | 2-9-78 | 66 | 367 | 731 | 365 | 190 | 1026 | 2867 | 5546 |
| 19. | Maravali | R: 19 | M/W | Maravali Mun. School, Ghatkopar Mahul Marg, Bombay — 400 074. | 2-5-80 | 108 | 469 | 939 | 466 | 248 | 1142 | 7705 | 10969 |
| 20. | Anik Nagar | R: 20 | M/W | Anik Nagar Mun. School, Anik Nagar, Chembur (W), Bombay — 400 074. | 10-5-82 | 35 | 192 | 386 | 193 | 105 | 554 | 3045 | 4475 |
| 21. | Mahul | R: 21 | M/W | Bharat Petroleum Refineries, Staff Training Centre, Mahul, Bombay — 400 074. | 4-6-80 | 36 | 195 | 389 | 195 | 106 | 645 | 405 | 1933 |
| 22. | Mankhurd | R: 22 | M/E | Municipal School, Mankhurd Station Road, Mankhurd, Bombay — 400 088. | 5-10-80 | 71 | 395 | 787 | 395 | 207 | 818 | 6252 | 8854 |
| | | | | | | 1399 | 7692 | 15361 | 7681 | 3973 | 18586 | 68979 | 142272 |

ANNEXURE — II

| Sr. No. | Date | Complaint Details |
|---------|------------|--|
| 1. | 18-4-1987 | Smell of Hydrogen Sulphide Gas in Chembur area. |
| 2. | 20-4-1987 | Smell of H. S. in Chembur area near Chembur Railway Station. |
| 3. | 28-4-1987 | Ammonia Leakage at Joy Ice Cream, Kandivali. |
| 4. | 8-5-1987 | Gas smell nuisance at Modern Lab. Laxmi Industrial Estate, Andheri (W). |
| 5. | 21-5-1987 | Smell nuisance at Bombay Paints & Allied Paints, Gavanpada, Chembur. |
| 6. | 23-5-1987 | Smell nuisance at Deonar Chemical Godown, Chembur. |
| 7. | 14-7-1987 | Air Pollution problem due to steam condensor failure R. C. F. Chembur. |
| 8. | 7-8-1987 | L. P. G. Gas like smell in Mulund area. |
| 9. | 28-8-1987 | Acid fumes in Goregaon (E) are due to Electroplating Industries. |
| 10. | 10-9-1987 | Bad smell in Parel area near Haffkins Institute. |
| 11. | 19-10-1987 | Asian Chemical Works Pvt. Ltd., Andheri, smell of irritating gas. |
| 12. | 4-12-1987 | Smell of gas in Mahim-Dharavi area during night hours. |
| 13. | 5-12-1987 | Smell of Gas in Parel area due to Leakage of drums of NEK near T. B. Hospital. |
| 14. | 27-12-1987 | Gas smell at Sion area, Sion Highway Apartment. |
| 15. | 26-1-1988 | Ammonia Gas Leakage from Ambika Ice Factory, V. T. Chchine Street. |
| 16. | 29-1-1988 | L. P. G. Gas Leakage at K. E. M. Hospital Parel. |
| 17. | 10-2-1988 | Mahim Pumping Station H ² S gas smell. |
| 18. | 14-3-1988 | Ammonia Gas Leakage from Bombay Carbon Dioxide Co. near R. C. F. |
| 19. | 16-3-1988 | Gas smell nuisance at Minerva Industrial Estate, Solar Dye Chem, Mulund (E). |

ANNEXURE — III

Ambient Air Monitoring with reference to Auto exhaust at Haji Ali and Maheshwari Udyan.

8 Hours weekly avg. levels of Co., SO² NO² NO² SPM and Total vehicles counts recorded during peak hours at traffic junction.

| Site | Monitoring period | SO ² ug./m ³ | | | NO ² ug./m ³ | | | SPM ug./m ³ | | | CO in ppm | | | Vehicle counts/Hrs | | |
|------------------|------------------------|------------------------------------|------|------|------------------------------------|------|------|------------------------|------|------|-----------|------|------|--------------------|------|------|
| | | N | Avg. | Max. | N | Avg. | Max. | N | Avg. | Max. | N | Avg. | Max. | N | Avg. | Max. |
| Maheshwari Udyan | 6-4-1987 3-4-1987 | 56 | 78 | 199 | 56 | 101 | 192 | 14 | 815 | 993 | 448 | 12 | 24 | 56 | 2898 | 3495 |
| Maheshwari Udyan | 4-5-1987 11-5-1987 | 48 | 83 | 217 | 48 | 97 | 218 | 12 | 839 | 1139 | 384 | 11 | 23 | 56 | 3967 | 6345 |
| Haji Ali | 22-4-1987 29-4-1987 | 56 | 39 | 165 | 56 | 75 | 218 | 14 | 489 | 876 | 448 | 18 | 43 | 56 | 2718 | 5149 |
| Haji Ali | 5-5-1987 11-5-1987 | — | — | — | — | — | — | 12 | 851 | 1139 | — | — | — | — | — | — |
| Haji Ali | 22-5-1988 | 48 | 34 | 153 | 48 | 54 | 130 | 12 | 330 | 413 | 384 | 13 | 44 | 56 | 1984 | 3852 |

Peak Hours : Morning 8 a.m. to 12 Noon
evening 5 p.m. to 9 p.m.

* RPM + Respirable-Particulate Matter.

N — Total Number of Observation.

**Names of Officers and Designations :
Ch. Engr. (Roads & SWD)'s Deptt.**

Statement showing the names and qualifications of the Head of the Department and Head of Branches of Ch. E. (Roads & SWD)'s department for the year 1987-88.

(A) Head of the Deptt.

| | |
|-----------------------------------|--|
| Shri V. H. Kulkarni | : Chief Engineer (Roads & S. W. Drains) : Ag. Ch. Engr. for March 1987 to May 1987 : B.E. (Civil), A.M.I.E., M.E. (P.H.) : From June 1987 to Sept. 1987 |
| Shri M. Y. Sabnis B.E. (Civil) | : From Oct. 1987 to March 1988 & continued |
| Shri P. M. Momin B.E. (Civil) | |

(B) Head of Branches :

| | |
|--|--|
| 1. Dy. Ch. E. (Roads & SWD) City March 1987 to March 1988 & continued | : Shri G. P. Mangaonkar : B. E. (Civil) |
| 2. Dy. Ch. E. (Roads & SWD) W.S. | : Shri V. H. Kulkarni : B. E. (Civil) |
| 3. Dy. Ch. E. (Roads & SWD) E. S. | : Shri G. G. Pathak : B. E. (Civil) |
| 4. Dy. Ch. E. (Roads-Traffic) | : Shri V. N. Abhyankar : B. E. (Civil) |
| 5. Dy. C.E. Roads (Project) From April 1987 to February 1988 | : Shri M. K. Sharma : B. E. (Civil) |
| 6. Ag. Dy. C.E. (Proj) for March 1988 | : Shri B. S. Joshi : B. E. (Civil) |

The Roads & Storm Water Drains Department is a major department of Civic administration, providing amenities and facilities to the citizens of Greater Bombay. Originally Chief Engineer (Roads & Storm Water Drains) was heading departments with various branches under him viz., for construction and maintenance of roads and Storm Water Drains which is manned by three Dy. Chief Engineers viz., one for city, one for Eastern Suburbs & one for Western Suburbs. In addition to above there was Dy. Chief Engineer (Roads-Traffic) looking after the work of traffic & Co-ordination with Government Agency viz., Additional Commissioner of Police (Traffic). There was one more post of Dy. Ch. E. (Roads-Project) who is looking after the work of construction of subways and fly overs.

Due to enormous increase in the work load and the possibility of undertaking Bombay Urban Transport Project II in collaboration with Government of Maharashtra, the post of Dy. C. E. (Roads-Project) has been transferred under City Engineer's jurisdiction.

The work of Traffic & Co-ordination with traffic Police Department and Government of Maharashtra being independent one & looked after by Dy. Ch. Engr. Rds. (Traffic) the same is transferred under Addl. Municipal Commissioner Shri Venkat Chary and the Municipal Commissioner Shri G. S. Tinaikar.

However, the department of Roads & Storm Water Drains headed by Chief Engineer is required to take up additional following projects in addition to the normal load of construction of roads and storm water Drains and nallah training programme.

1. Prime Minister Grants Project for Improving Dharavi and for additional resettlement at Mulund.
 2. Construction of roads and Storm Water Drains under Bombay Urban Development Project (BUDP-I) which is at present in progress at (i) Charkop (ii) Goral-Borivall (iii) Varsova.
 3. BRIM-STOWAD — Brihanmumbai Mahanagarपालिका Storm Water Drains Project in Planning stage.
 4. Concreting of junctions & roads — Due to heavy rain fall of 104" during last monsoon as compared with normal rainfall of 80" most of the arterial roads in the City and Suburbs were caroded. Municipal Commissioner has decided to undertake the concreting of such portions.
- Detailed functioning of Asphalt Plant of work and (ii) Traffic & Co-ordination dept is attached
Detailed activities of the Maintenance Department of Roads & S. W. Drains headed by Chief Engineer (Roads & S. W. Drains) and by Zonal Dy. Ch. Engr. (Roads & SWD) is given below.

Rs. in Crores

I. (A) EXPENDITURE :

| | |
|--|------|
| 1. Expenditure incurred on execution of works from Loan Works Budget. | 9.12 |
| 2. Expenditure incurred on execution of works for maintenance of properties etc., from Revenue Budget. | 7.08 |
| 3. Expenditure on Establishment. | 6.28 |
| 4. Expenditure on other heads | |
| i) From loan Works Budget | 0.17 |
| ii) From Revenue Budget | 2.55 |

25.20

(B) REVENUE :

Revenue earned by the Deptt. during year. 5.04

II. ROAD CONSTRUCTION BRANCH :

| | Total No. of works completed | Total No. of works in progress |
|--|------------------------------|--------------------------------|
| 1. Road resurfacing in asphalt concrete. | Nil | 6 |
| 2. Road resurfacing in cement concrete. | 1 | 5 |
| 3. New roads including S. W. Drains. | 4 | 6 |
| 4. Road widening. | 12 | 19 |
| 5. Any other works. | 23 | 24 |
| 6. Storm Water Drains. | 5 | 5 |
| 7. Nallas. | 6 | 13 |
| 8. Desilting of S. W. Drains. | 12 | Nil |

MAINTENANCE OF MUNICIPAL ROADS :

1. Roads (in Km.) : 1525.52 K.mts.
 2. Works carried out through P. W. C. : 845 Nos.

Maintenance of Municipal Roads

(i) Roads & footpaths and length of roads (In K. M.).

| Area | Cement Concrete | Block tapped | Sett paved | Waterbound macadam | Others | Total length |
|-------|-----------------|--------------|------------|--------------------|--------|--------------|
| City | 67.23 | 259.31 | — | — | 152.85 | 478.97 |
| Subs. | 90.75 | 756.58 | — | 66.50 | 132.30 | 1046.13 |
| | 157.98 | 1015.89 | — | 66.50 | 285.15 | 1525.52 |

(ii) Improvement of roads :

| | Street Asphalt | Chip on asphalt roads | Semi grouting | Asphalt concrete | Surface dressing |
|--------------------|----------------|-----------------------|---------------|------------------|------------------|
| City Area (K.M.) | 50088 | 400 | 62.609 | 4,000 | Nil |
| Subs. Area (K. M.) | 34315.47 | 6950 | 18695 | 6,400 | 11,400 |

There were 38 road rollers (petrol driven — and diesel driven 38).

Permits 3933 in city and 5459 in Suburbs were issued for excavation in roads & footpaths. The cost of reinstatement of disturbed surfaces was charged to respective permit holders respective utilities and the trenches were repaired to a cost of Rs. 23,61,935.41 in City and Rs. 50,58,414.93 in Suburbs and an amount of Rs. 70,619 in lakhs in City and Rs. 9,53,129.70 in Suburbs were recovered as fees for these purposes. 166.6 notices in City and 3 notices in suburbs under Section 322(b) of B. M. C. Act, were issued against the unauthorised occupants of roads and footpaths for dumping building materials. In addition 758 permits in City, 408 permits in subs were issued for occupation of roads for erecting mandaps, placing chairs and benches etc., and Rs. 1,06,470 from City and Rs. 23,605 from Suburbs were realized in this account.

BRIHANMUMBAI MAHANAGARPALIKA

ADMINISTRATIVE REPORT FOR THE YEAR — 1987-88

Dy. CHIEF ENGINEER (ROADS & S. W. DRAINS) City

PLANNING OF STORM WATER DRAINS & NALLAS

For the year 1987-88, the report is as follows :—

Due to unprecedented floods which occurred in the monsoon of 1985, considerable damage was caused to the life and property. Moreover, public transport services were highly dislocated. In order to abate this nuisance in future, large scale construction of storm water drains nallas training works were taken up in hand with the help of financial aid from the Central Government. Some of these nallas, where training has now been nearly completed, are as below :—

1. Love Grove Nalla
2. Nehru Science Centre nalla
3. J. K. Chemical nalla
4. Jogtekar & Naik Nagar Nalla
5. Dadar Dharavi nalla

The work of training of Antop Hill nalla has been just taken up and will be completed before the onset of 1989 monsoon.

Plans and estimates for construction of additional storm water drains are in progress.

P.M.G.P. WORKS :

There are certain works proposed to be carried out in Dharavi area, under Prime Minister's Grant Project. The Project has already commenced. The Director (P.M.G.P.) had originally assured us a Grant-in-Aid of Rs. 27.00 Crores which was later reduced to Rs. 18.00 Crores and the same is likely to be reviewed. The following works are to be carried out under the project.

1. Providing and laying storm water drains.
2. Construction of road works.
3. Sewrage Project works.
4. Desilting of nalla works.
5. Provision of water supply mains.

The department of Roads & SWD is co-ordinator for this project and executing agency for Item No. 1 and 2 above.

The following works of providing and laying storm water drains are in progress.

- (a) Providing and laying storm water precast box drain along Dharavi Sion Road, Part-I.
- (b) Providing and laying storm water precast box drain along Dharavi Sion Road, Part-II.
- (c) Providing and laying precast and cast-in-site box drain along Jasmine Mill Road.
- (d) Providing and laying precast storm water precast drain along Andhera Vally Road, Dharavi.

Providing and laying storm water drains (pipe drain) along part of i) Dharavi Main Road, ii) 90' Road, iii) Dharavi Sion link road, iv) Andhra Vally Road.

The following are likely to be taken in hand shortly.

(a) Providing and laying S. W. Box drain in Part of Dharavi Sion Link Road and constructing out fall of 'A', 'B' & 'C'.

(b) Providing and laying S.W. Box drain along part of 60' Road, Dharavi from Etrella Battery junction upto Dharavi Sion Link Road.

Out of above mentioned Rs. 18.00 Crores, the Corporation has received an amount of Rs. 2.51 Crores.

B. U. D. P. PROJECT

The Government of Maharashtra through the Maharashtra Housing and Area Development Authority (MHADA) have undertaken a number of scheme for housing the low income groups and economically weaker sections. The sites are generally undeveloped and it is necessary to provide infrastructure such as laying water mains sewers, constructing nallas, S. W. Drains, roads and street light for the lay out. Accordingly, the Maharashtra Housing & Area Development Authority (MHADA) have proposed for development of sites and service scheme at Goral, Versova and Charkop.

The Standing Committee and the Corporation have accorded their approval *vide* Standing Committee Resolution No. 1363, dated the 24th March 1983 and the Corporation Resolution No. 582, dated the 3rd October 1983 to provide the infrastructure *viz.*, Road and Storm Water Drains etc., in the project with the loan assistance from the World Bank. The Corporation *vide* Resolution No. 90, dated the 25th July 1985 have accorded approval to enter into a subsidiary Loan Agreement with the Government of Maharashtra in this respect.

Accordingly during this Administrative report the following works were completed.

- | | |
|---|---------|
| 1. Construction and training of nalla at Charkop, Kandivali (West). | 2 Works |
| 2. Construction of D. P. roads and S. W. Drains at Charkop | 2 Works |
| 3. Construction and training of nalla at Corai site. | 2 Works |
- Plans and estimates for the following works were done for invitation of tenders :
- | | |
|--|---------|
| 1. Training and construction of nalla at Versova site Part I A and I B | 2 Works |
| 2. Construction of roads and Storm water Drains at Gorai under Division A and Division B | 2 Works |

The tenders were also invited for the above mentioned four works.

**Short note on Bombay Storm Water Drainage
Master Plan viz., Brihanmumbai Storm Water
Drainage Project i.e., (BRIM — STOWAD)**

Underground Storm Water Drainage arrangement provided in the Island of Bombay for the City area is about 100 years old and its structure is getting weaker and is also found inadequate in size. The system needs strengthening as well as augmentation by laying additional lines. The low level areas are subjected to periodic flooding during heavy rains synchronizing with high tides. The suburban areas are having natural open storm water drainage system discharging into creek or Arabian Sea. Thus the storm drainage system in City as well as in Suburban areas needs considerable improvement particularly in the island of Bombay to minimise the flooding areas and thereby reducing the hardships of the citizens.

In order to review the existing storm drainage system and to develop alternative strategies as well as to redress the system deficiency, it is necessary to appoint the consultants to undertake this assignment and thereafter implement master plan prepared by the consultants according to the Municipal requirements.

The project cost for this storm water drainage plan is estimated to be around Rs. 200 crores. Since funding of such a large amount is beyond the available resources of Bombay Municipal Corporation, the problem was discussed with the World Bank Team during their visit to Bombay regarding other W.S.S.D. Project which are aided by the World Bank.

During discussion, it was indicated by World Bank representative that the World Bank would be inclined to finance the project if the feasibility report was put up for consideration to the World Bank. For the present, World Bank agreed that the cost of feasibility study will be funded from the on going B. U. D. P. Project under No. 1544/N aided by World Bank.

On getting this assurance, B. M. C. has invited applications from the consulting firms on International competitive bidding procedure of World Bank for the purpose of short-listing the consultants for pre-qualifications. The response to this invitation was from 17 consulting firms including international consulting firms. From the applications received, 6 consulting firms were short-listed for pre-qualification, in consultation with the World Bank representative. The Terms of References to be given to these short-listed firms for inviting their bids for consultancy projects is now ready and the bids are being invited shortly. On receipt of these bids, one consulting firm will be selected in accordance with the World Bank procedure and in consultation with World Bank. The selected consultancy firms will be entrusted with the job of preparing master plan for Bombay Storm Water Drainage Project.

The consultancy firms is expected to submit their report in about 18 months after entrusting the work of consultancy to them.

III— F Asphalt Plant.

The work of asphaltting some roads in Corporation area were carried out departmentally during the year and 82,123 sq. mts. area of roads were asphalted with Chip coat produced at the Asphalt plant Worli. Besides asphalt plant has supplied 4547.27 M.T. OF cold mix to the wards for repairing potholes on minor roads and footpaths. Total cost of production of premix for wards, refurfacing of roads and repairing potholes is Rs. 64,12,843.71.

(I) Asphalt Plant

(a) The Municipal hot mix Asphalt Plant at Worli was in operation throughout the year. During the year Main Plant was in operation for six month and Pagson plant was in operation for remaining six months. Actual working days were 291 days and remained closed for 74 days on account of rainy season, Sundays, Holidays and break downs of plant. The labourers for running the Asphalt plant were engaged departmentally.

(b) Total area of 82123 sq. mts. of Asphalt roads were repaired with Bitumen, Surface, Chip Coat etc., & earned Rs. 44,68,352.15.

(c) 4547.27 M. T. of cold mix were supplied to wards and earned Rs. 19,44,491.56.

The total turn out by the Main and Pagson Plant were 5541.98 M.T. & 5704.32 M.T. respectively.

Administrative Report for the year 1987-88

(2) Road Material Testing Laboratory :—

| Sr. No. | Tests on | Number of Tests done | Amount of revenue Rs. | Amount worth free testing done Rs. | Total Amount worth work done Rs. |
|---------|---------------|----------------------|-----------------------|------------------------------------|----------------------------------|
| 1) | Asphalt Mixed | 9012 | 33,200.00 | 2,47,200.00 | 2,80,400.00 |
| 2) | Bitumen | 6 | 410.00 | Nil | 410.00 |
| 3) | Aggregates | 146 | 8,150.00 | 840.00 | 8,990.00 |
| 4) | Soils | 93 | 7,520.00 | 1,320.00 | 8,840.00 |
| 5) | Mix designs. | 3 | 3,300.00 | — | 3,300.00 |
| Total : | | 9260 | 52,580.00 | 2,49,360.00 | 3,01,940.00 |

Administrative Report for 1987-88
Report of Bldg. Material Testing Laboratory.

I)

| Particulars. | Departmental | | Government | Private | Total |
|--------------|--------------|--------------|------------|---------|-------|
| | Free | With charges | | | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| Concrete | 1220 | 747 | 827 | 773 | 3567 |
| Bricks | — | All Together | — | 181 x 5 | 905 |
| Cement | 104 | — | — | 127 | 231 |
| Steel | — | All Together | — | — | 206 |

II Cost of testing in Rupees :—

| 1 | 2 | 3 | 4 | 5 | 6 |
|-----------------|---|--------|--------------|--------|-------------|
| Concrete | — | 22,410 | 12,405 | 23,190 | 58,005.00 |
| Bricks | — | — | All Together | — | 23,530.00 |
| Cement | — | — | — | 26,670 | 26,670.00 |
| Steel | — | — | All Together | — | 11,600.00 |
| Hire of Moulds | — | — | — | — | 1,446.00 |
| Total (A) : Rs. | | | | | 1,21,251.00 |

III Cost of free testing :—

| Particulars. | No. of Samples. | Amount in Rs. |
|--------------|-----------------|---------------|
| Concrete | 1220 | 36,600.00 |
| Cement | 104 | 21,840.00 |
| Total (B) : | | 58,440.00 |

| | |
|--|-------------|
| IV Total cost of work done :—Total (A) | 1,21,251.00 |
| Total (B) : | 58,440.00 |
| Total (A + B) | 1,79,691.00 |

APPENDIX No. 2

Statement showing details of repairs to Roads carried out by Assistant Engineer, Asphalt Plant Departmentally.

| (Rs. in lakhs) | | | |
|----------------|---|--------------|---------------|
| Sr. No. | Mode of repairs. | Area in mts. | Amount Rs. |
| 1) | Asphalt roads repaired with Binder Grit Coat Chief coat surface etc. | 82123 | 44,68,352.15 |
| 2) | Cold mix supplied to wards in M.T. | M.T. 4347.27 | 19,44,491.56 |
| | | | 64,12,843.71 |

Statement showing the details of Asphalt Plant Production for the year 1987-88.

| Main Plant | Pegson Plant |
|------------------------|---------------|
| 5541.98 | 5,704.32 |
| 5541.98 M.T. + | 5704.32 M. T. |
| Total : 11,246.30 M.T. | |

APPENDIX — III

Statement showing the works carried out by Road branch (City & Sub.) during the year 1987-88

| (Rs. in lakhs) | | | | | | | | | |
|----------------|--|-----------------|-------------|-------------|-------------|-------------------|-------------|----------------|-------------|
| Sr. No. | Particulars | Completed Works | | Actual Cost | | Works in Progress | | Estimated Cost | |
| | | City (Nos.) | Sub. (Nos.) | City | Sub. | City (Nos.) | Sub. (Nos.) | City | Sub. |
| 1. | Roads resurfacing works in Asphalt Concrete. | — | — | — | — | 6 | — | 200.00 | — |
| 2. | Road resurfacing works in cement concrete. | — | 1 | — | 43,69,956 | 4 | 1 | 822.54 | 79,01,294 |
| 3. | Construction of new roads. | — | 4 | — | 72,79,117 | — | 6 | — | 1,73,70,085 |
| 4. | Road widening. | 3 | 9 | 28.30 | 35,77,419 | 1 | 18 | 35.41 | 4,53,05,171 |
| 5. | Any other road works. | 4 | 19 | 45.46 | 1,74,18,569 | — | 24 | Nil | 8,31,25,210 |
| 6. | Storm Water Drains. | — | 5 | — | 53,67,355 | — | 5 | Nil | 70,72,260 |
| 7. | Nallas. | 1 | 5 | 3.80 | 13,61,987 | — | 13 | Nil | 2,87,61,298 |
| 8. | Any other works | — | 12 | — | 16,77,773 | — | — | Nil | — |

: ADMINISTRATIVE REPORT :

Administrative Report of Executive Engineer (Traffic & Co-ordination) and Executive Engineer Traffic Planning, for the year 1987-88.

STREET LIGHTING FOR THE CITY :

The street lighting for all the public roads in the city is looked after and maintained by the B. E. S. T. Undertaking on behalf of the Corporation within city limits.

The detailed report is as follows :

The total No. of electric street light lamps on the roads, foot over bridge, gardens etc., as on 31st March 1988 is as under :—

| | | | |
|----|-----------------|-----------------|----------|
| i. | As on 31-3-1987 | As on 31-3-1988 | Increase |
| | 25,597 Nos. | 27,958 Nos. | 361 Nos. |

The details of the different types of street lamps are as under :—

| Sr. No. | Description | T.F. | HPMY | Fluore-Scent | Sodium Vapour Lamp | Halo gen Lamp | Blended | Total |
|---------|------------------------|------|--------|--------------|--------------------|---------------|---------|-------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. |
| 1. | Municipal | 103 | 1,1624 | 151 | 173 | 97 | 190 | 12338 |
| 2. | All-in-Hire (B.E.S.T.) | — | 12264 | 466 | 2887 | 3 | — | 15620 |
| | | | | | | | Total : | 27958 |

ii.

a) Total Nos. — T.D. Bollards as on 31-3-1988 135 Nos.

b) No. of High Mast with 4 Nos. of 1000 Watt S. V Lamps 1 at Khodadad Circle at Dadar.

iii. The following statement shows the total electrical energy consumed for the street lighting net work for the whole City.

| | |
|-------------|---------------|
| Description | Load in K. W. |
| Municipal | 64,56,279 |
| B.E.S.T. | 1,96,56,472 |
| | 2,61,12,751 |

IV During the year under reference there was improvement of street lighting on number of roads and junctions. The additional expenditure incurred for the work is shown below :—

| | |
|-----------------------------------|--------------|
| | Rs. |
| 1. Erection of new street lamps | 2,45,200.00 |
| 2. Shifting of street lamps | 43,200.00 |
| 3. Improvement of street lighting | 14,44,547.75 |
| Total : | 17,32,947.75 |

V. The details of improvement carried out during the year 1987-88 are shown in appendix — ii.

VI. During the year 1987-88 the programme for change over of HPMV lamps to MPSV on main corridors is continued.

It is proposed to replace all existing Mercury Vapour Lamps by Sodium Vapour Lamps on all major arterial roads phasewise and to provide semi-highmast lamps with Sodium Vapour at some major junctions.

Since B. E. S. T. Undertaking have limited capacity to carry out this work, the possibility of improving street lighting along Central Corridor from Sion to V. T. on mass scale through a private agency is being explored. Accordingly one trial installation of 8 poles is erected by M/s. Philips India @ total cost of Rs. 1.84 lakh on Dr. Babasaheb Ambadkar Marg at Chitra Cinema.

Temporary lighting arrangement was made during Ganapati Festival at Girgaon Chowpatty, Cuffe Parade, Mazgaon, Colaba, Banganga, Worli Prabhadevi, Dadar Shivaji Park, Mahim Beaches for the safety of general public visiting immersion ceremony.

The lighting arrangement was also provided during Navaratra Festival at Mahalaxmi Temple and Mahim Fair at Mahim and on new year even and on 28th January at Gateway of India.

All these lighting arrangements were made at the cost of Municipal Corporation to help the Police to maintain law and order and for the public security.

VII. The B. P. T. is maintaining and lighting roads in B. P. T. area, which are used by general public also. B. P. T., is paid a rebate per annum for maintenance, cleaning and lighting B. P. T. roads in Docks and Bunders and in Cotton Depots as per C. R. No. 2598 of 30-3-1982.

An expenditure of Rs. 15 Lakhs is incurred on this account and is adjusted from taxes due from the B. P. T. in respect of property by 'A' Ward.

: P A R T — II :
SUBURB AND EXTENDED SUBURBS

The total number of street lights at the end of the year as on 31st March 1988 is 47676 as against the total of 40,351 number in the previous year.

The detail of different type of lamps as shown below :—

| Sr. No. | Description | T. F. | HPMV | T.D. Ballard | Sodium Vapour Lamp | High mast Lamp | Total |
|---------|-------------|-------|-------|--------------|--------------------|----------------|-------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. |
| 1. | Bses Area | 4510 | 38361 | 282 | 420 | — | 43575 |
| 2. | MSEB Area | 574 | 3527 | — | — | — | 4101 |
| | | | | | | | 47676 |

Temporary lighting arrangement was provided during Ganpati Festival at Danda Village, Khar, Versova Beach, Juhu Beach, M. G. Road Goregaon, Madh & Marve Sea Beaches, Dahisar river for safety of general public visiting Ganapati immersion ceremony.

The High mast has been provided and commissioned during the year at Octroi Naka at Dahisar through M/s. Philips India Ltd.

REMOVAL OF VEHICLES :

Vehicles found abandoned or undergoing repairs on public roads or footpaths, causing obstruction to the traffic and pedestrians are removed to Municipal Custody under section 314 of the B. M. C. Act. During the year under report, total number of 1610 vehicles were removed to Municipal Custody out of which 1210 vehicles were retrieved by the parties on payment of towing and demurrage charges. The unclaimed vehicles which are lying in various Municipal recovery due to auction Yards are auctioned to recover Municipal dues on this account.

MICRO COMPUTER :

The use of Micro Computer has given an added advantage in obtaining precise and accurate solutions to the otherwise lengthy and time consuming traffic engineering problems and benefits. Cost analysis work which include speed delay, survey data, signal timing plan, preparing graphics and preserving statistics.

TRAFFIC AMENITIES :

The work of construction traffic islands channelisers, central dividers, parabolic dividers etc., was carried out on certain roads and intersections in order to ensure safety of both pedestrians as well as vehicular traffic. The total cost of such work amounted to Rs. 9,72,515/-.

The names of roads on which regular lines were prescribed are shown in Appendix I & III.

Road markings such as strips, pedestrian crossings and road dividers and kerbs were painted on all important roads in the City and Suburbs.

Traffic Informatory sign boards were installed during the year at important locations in the Eastern as well as Western Suburbs of Bombay at a total cost of Rs. 6,98,539.00 for the guidance of visitors, tourists and the general public. Speed breaker cautionary boards were also installed during the year at various locations at a total cost of Rs. 17,84,535.00 in order to fore-warn the motorists and ensure effective safety of vehicles and pedestrians.

Specially designed traffic reflective cylindrical cones have been installed at several inter sections at a total cost of Rs. 2,11,649.00. In order to delineate refuse inlands/central dividers and to ensure safety of both vehicular and pedestrian traffic.

The traffic department have also supplied traffic reflective cones to the Traffic Police at a cost of Rs. 75,000.00 in order to help them to regulate traffic in a better and more efficient manner.

PAY AND PARK SCHEMES IN GREATER BOMBAY :

Municipal Corporation has reintroduced pay and Park schemes in Brihan Mumbai with the view to control indiscriminate parking, reduce traffic congestion and misuse of roads. The planning and implementation of the schemes is being carried out by the Traffic Department. Several locations both off streets parking and on street parking have been identified by the traffic department after conducting detailed technical studies for the purpose of 'Pay and Park Schemes. All the necessary infrastructural facilities like provisions of chowkies, lay out and painting of parking lots, construction of traffic islands, installation of railings, instillation of time recorder punching machine, card racks designing and printing of tickets, parking charges tickets etc., are being provided by the traffic department.

To start with the scheme has been introduced at the parking lot at Gateway of India with 37 parking bays on 27th January, 1988. The scheme proved to be successful and yielded an average daily collection of Rs. 600/-. It is contemplated to extend this scheme of the two parking lots at Mahatma Phule Market during the financial year. There are about 90 parking bays within these two parking lots which will yield daily anticipated collection of Rs. 1,200.00.

The scheme is also being extended to the traffic islands at Flora Fountain as well as certain stretches of kerb side parking along M.G. Road near University. The number of Parking bays available in these parking lots is about 200. The scheme was also been extended to Veer Nariman Road with Cul-De-Sac arrangement. Besides several other potentially viable locations are also being identified for the above purpose and the scheme will be extended to these locations in a phased manner.

It is anticipated that once the scheme is fully established the total collection will range in the order of Rs. 500,000.00 per month.

The impact of reintroduction of the scheme in terms of public resistance can not be under estimated. However, with skillful and systematic implementation in a phased manner giving due considerations to administrative, financial and legal issues, this office hopes to ensure the success of the 'Pay and Park Scheme'.

SIGNAL IMPROVEMENT PROGRAMME :

Under the World Bank Assisted Bombay Urban Transport Project, the work of modernising road traffic signals in the City has been completed. 83 intersections have been provided with Micro Processor based Intersection Controllers and all signal pates have been provided with imported signal heads of better visibility and appeal. The 83 intersections have been grouped in 6 corridors each of them provided with Micro processor based master controller which co-ordinates the working of local controller by means of communication cable. Separate timing plans for various periods of day and Sundays have been provided in consultation with the traffic police department which have resulted in the traffic signal system being traffic responsive to the maximum extent.

Total No. of signals in operation through various companies in the year 1987-88 are as under :—

| | |
|--|----------|
| Number of I. T. I. Signals | 116 Nos. |
| Number of Philips Signals | 82 Nos. |
| Number of Meltron Ltd. Signals | 13 Nos. |
| Number of Flashing Beacon by I. T. I. Ltd. | 63 Nos. |
| | <hr/> |
| | 274 Nos. |
| | <hr/> |

INTERUTILITY CO—ORDINATION CELL :

The Interutility co-ordination cell which was established earlier, properly regulates and co-ordinates the extensive excavations on roads and footpaths undertaken by various utility concerns on major roads. The programme is called for from each utility concern and the same is discussed in Central Committee meetings of the representatives of the utility concerns. In the monsoon period efforts are made to minimise the repeated excavations and regulate the excavation activity in the manner prescribed in the code of conduct which is drawn up after mutual consultation with the member utility concern.

The meetings such as Apex Committee, Zonal Committee etc., of the interutility organisations are held at regular intervals. In these meetings issues such as pending reinstatement authorities, difficulties encountered by the utility concerns, difficulties from the point of free flow of traffic on roads etc., are discussed and solutions are thought of.

: APPENDIX — II :

Following is the details of improvement of street lightly carried out during the year 1987-88.

1. Minoo Desai Marg
2. Arthur Bunder Road
3. S. K. Bole Marg, Dadar
4. Netaji Subhash Marg
5. Naigaon Cross Road
6. N. C. Kelkar Road, Dadar
7. Byculla Station Road
8. Mahapalika Marg
9. Acharya P. K. Atre Marg
10. Raja Ram Mohan Roy Marg
11. Girgaum Chowpatty
12. Dadar Chowpatty
13. Maharshi Karve Road
14. Kalbadevi Road

: APPENDIX — I :

The regular lines have been proposed and sanctioned on following Roads during the period from 1-4-1987 to 31-3-1988 for City area.

| Sr. No. | Name | width | Ward | Remarks |
|---------|---------------------------|--|---------|----------------|
| 1. | E.E.T. PL. 1/29-9-1987 | Proposed Bhagwanlal Indrajit Road Naka Chowk. | 44'-0" | D/W Sanctioned |
| 2. | E.E.T. PL. 1/22-2-1988 | Widening of Mahim causeway Road. | 140'-0" | G/N |
| 3. | E.E.T. PL. 2/14-3-1988 | Widening of Chandramani, Budha Vihar (Stable Street) at Kamathipura. | 30'-0" | E/W |

: APPENDIX — III :

The regular lines have been proposed and sanctioned of following roads during year 1987-88 for Eastern and Western Suburbs.

| Sr. No. | Name | Width | Ward | Remarks |
|---------|-----------------------------------|---|---------|----------------|
| 1. | E.E.T. & C. (Sub.) 4/24-8-1987 | Proposed revised Linking Road near Versova Pumping station at Andheri (West). | 120'-0" | K/W Sanctioned |
| 2. | E.E.T. & C. (Sub.) 5/28-9-1987 | Widening of Ext. Vamanrao Bhoir Road at Dahisar (West). | 20'-0" | R/W Sanctioned |
| 3. | E.E.T. & C. (Sub.) 6/15-10-87 | Widening of Swami Vivekanand Chowk near R. C. Marg and V. N. Purav Marg (Chembur Naka). | 120'-0" | M/W |
| 4. | E.E.T. & C. (Sub.) 13-12-1987 | Widening of Navpada Road at Bandra (West). | 20'-0" | H/W Sanctioned |
| 5. | E.E.T. & C. (Sub.) 1/28-1-1988 | Widening of Kasturba Road at Borivali (East). | 60'-0" | R/W Sanctioned |
| 6. | E.E.T. & C. (Sub.) 2/28-1-1988 | Widening of Govind Patil Road at Khar, Danda (West). | 60'-0" | H/W |
| 7. | E.E.T. & C. (Sub.) 1-2-1988 | Proposed 60 ft. Devidas Road near Vithal Niketan at Borivali. | 90'-0" | R/W |
| 8. | E.E.T. & C. (Sub.) 4/11-2-1988 | S.V. Road and Guru Nanak Marg between Revised Chowk at Bandra (West). | 90'-0" | H/W |
| 9. | E.E.T. & C. (Sub.) 5/18-2-1988 | Widening of R. C. Marg between Corilor Road to Mahul Village at Chembur. | 90'-0" | M/W Sanctioned |

Statement showing the names and qualifications of the Heads of the branches of Engg. Deptt. for the year 1987-88.

1. **Dy. C. E. (M & E)**
 - i) Shri V. D. Mujumdar
B. Sc. Eng. (Mech.)
Post Graduation in Refrigeration
(From 1-4-1987 to 20-10-1987)
 - ii) Shri M. R. Shah
B. E. Elect.
(From 21-11-1987 to 31-3-1988)
2. **E.E. Mech. (South)**
Shri A. S. Tikekar
B.E. Mech. D.I.E.
from 1-4-1987 to 31-3-1988
3. **E.E. Mech. (E.I.) Maintenance**
 - i) Shri R. R. Markandeya,
B. E. Electrical
From 1-4-1987 to 31-12-1987
 - ii) Shri D. R. Mohol,
B. E. Mechanical
From 1-1-1988 to 31-3-1988
4. **E. E. Mech. (N & P)**
 - i) Shri D. B. Indulkar
B. E. Mech.
1-4-1987 to 9-10-1987
 - ii) Shri D. K. Agarwal
B. E. Electrical
10-10-1987 to 5-1-1988
 - iii) Shri U. R. Divekar,
B. E. Electrical
6-1-1988 to 31-3-1988
5. **E.E. Mech. (E.I.) P & C**
Shri A. G. Haladavanekar
B.E. Mechanical
1-4-1987 to 31-3-1988.

HIGH LIGHTS :

IA—EXPENDITURE

| | (in Crores) |
|-----------------------------------|-------------|
| | Rs. |
| 1. On execution of Loan Works | 2.14 |
| 2. On execution of revenue works. | 0.04 |
| 3. On Establishment | 1.19 |
| 4. On other heads | |
| a. From Loan Works Budget | Nil |
| b. From revenue Budget. | 0.07 |

B REVENUE EARNED

| | |
|---|--------------------------|
| 1. Mechanical branch | |
| a) Jobs attended by — | |
| i) Workshop. | 950 |
| ii) Foundry. | 68 |
| iii) Washing service rendered by Municipal Power Laundry | 53 Medical Institutions. |
| 2. Electrical Branch | |
| i) Bldg. constructions Section works by contract. | |
| a) Completed | 28 |
| b) In progress | 38 |
| ii) Plant & Machinery Section jobs executed | |
| a) Departmentally | — |
| b) Through contract | 18 |
| iii) Refrigeration Section works by contract | |
| a) Completed | 5.00 |
| b) In progress | — |

MECHANICAL BRANCH :

Under Mechanical branch there are in all five different shops and one design section. The function of all the shops and design sections are as furnished below :

1. MACHINE SHOP :

Machine shop is one of the major shop of the Municipal Workshop. It carries out the work of manufacturing of impellers repairs of road rollers, steel furnitures of Municipal Departments.

2. CARPENTER SHOP :

Carpentry shop is established to carry out repairs to furniture of Municipal departments, and for manufacturing furnitures. It carry out repairs to furniture of different departments manufacturing of racks, notice boards, hand carb wooden keys etc.

3. PAINT SHOP :

The paint shop carries out day to day painting name boards of various departments work of painting of vehicles, furniture, hand carb, refuse bins, wheel barrows etc. spray painting to hospital equipment is also carried out.

4. BOILER SHOP :

It carries out fabrication and repairs to refuse bins play apparatus etc.

5. FOUNDRY SHOP :

In the foundry, the work of manufacturing of cast iron manholes frames & covers, casting of brass gun metal Aluminium etc., are carried out. The Statement of works carried out in Foundry section are mentioned in Appendix —1.

6. DESIGN SECTION :

The Design section executed the work of Welding, fabrication, repairs to furniture, steel furniture, repairs to play apparatus in the Garden, M. S. Water storage tanks, collapsible, rolling shutters, water pumps in all the Municipal institutions in the City area.

| | | |
|--------|---|-----------------------------|
| (A) i) | Work orders received from Wards & other institutions | 404 Nos. |
| | ii) Work orders completed | 377 Nos. |
| (B) i) | Work orders placed on outside agencies and amount thereof | 45 Nos. Rs. 18,40,296.00 |
| | ii) Work orders completed and amount thereof | Rs. 17,36,142.00 |
| (C) i) | Drawings prepared | 75 Nos. |
| | ii) Sketches | 60 Nos. |
| | iii) Blue prints | 1200 Nos. |

7. MUNICIPAL POWER LAUNDRY :

The Municipal Power Laundry rendered washing services to the 53 Medical Institutions of M. C. G. B. during 1987-88.

Target laid down for 1987-88 of washing of linen — 48,86,500 Nos.

Linen actually washed during 1987-88 — 49,65,093 Nos.

There is therefore no deviations in the target of washing of linen.

Electrical branch :

The activities of the different sections of the Electrical Branch are under :—

1. Planning & Design section: This section dealt with preparation of estimates, invitation and recommendation of tender and execution of contract for major electrical works in the newly constructed and old municipal buildings under the loan works programme in the City, Subs. and extended Suburbs. For details regarding preparation of estimates, awarding contract, please see Appendix II.

2. Building Construction Section: This section supervises the execution of major works in different zones for which contracts were awarded by Planning & Design section. Details are provided Appendix IV.

3. Refrigeration section: This section is entrusted with the preparation of estimates, invitation and recommendations of quotations and tenders, execution of contracts and supervision of contracts in respect of work for purchase and installations of Air Conditioning and Refrigeration machineries under Loan Works Programme as well as under Revenue Budget for City and Suburbs (Appendix III).

Plant and Machinery Section :

This section carries out repairs & maintenance of electrical machinery and electrical works in the existing Muni. properties. 12 estimates amounting to Rs. 9,57,320.00, 291 works carried out through outside agencies costing Rs. 20,00,718.00.

Ward Maintenance Section :

This section carries out electrical works in the existing Municipal properties other than those looked after by the Plant & Machinery section.

There are 83 estimates amounting to Rs. 46,95,212.00 prepared and works of electrification, providing pump sets, electrical fans, repairs to and providing sound system etc., amounting to Rs. 26,00,000.00 are completed and works costing Rs. 19,01,307.00 are in progress.

The following sections are under Administrative Supervision and control of E. E. Mechanical (North and Project).

1. Maintenance of electrical installations in Suburbs and extended suburbs.
2. Road Roller, Design and Mechanical Section in suburbs and extended suburbs.
- a) Road Roller Section.

There are 28 diesel road rollers for the entire area of suburbs and extended suburbs (eastern as well as western). The workshop is situated at Khar Depot. This section carrying out the work of maintenance of Road Rollers of eastern as well as western suburbs.

The number of various types of works carried out during the year 1987-88 is given below :—

| | |
|-----------------------------------|-----|
| 1. No. of break down attended | 147 |
| 2. No. of job attended | 20 |
| 3. No. of preventive maintenance— | |
| a) A type | 54 |
| b) B type | 37 |
| c) C type | 19 |
| d) D type | |

The total strength of this section is 21 employees (Labourer as well as Superior).

1. MAINTENANCE OF ELECTRICAL INSTALLATION IN SUBURBS AND EXTENDED SUBURBS.

The total staff working under technical guidance of this department has to look after the various maintenance works in wards including rewiring and new works departmentally.

The staff has prepared 214 estimates for electrification and rewiring etc.

In addition to the above, the works are carried out through private parties by inviting quotations/tenders.

| | |
|---|--------------|
| i) The cost of the departmental works carried out. | 14,21,538.29 |
| ii) The cost of the estimates prepared | 33,58,460.00 |
| iii) The cost of the works carried out by private agencies. | 6,61,118.86 |

2. ROAD ROLLER, DESIGN AND MECHANICAL SECTION IN SUBURBS AND EXTENDED SUBURBS.

Road Roller and Design Section (W.S.) are situated at Khar and the Design Section (E.S.) is at Mulund.

b) Mechanical Repair Shop.

The Mechanical Repair shop known as Design Section has to carry out mechanical repairs at various installations such as hospitals, arlets, scjpps, gardems and pfoce establishment etc. in suburbs and extended suburbs. This section has also carrying out the maintenance work of mechanical equipments, articles etc. at Municipal premises and properties in Eastern and Western suburbs departmentally as well as through private agencies.

The mechanical repair works as well as maintenance work carried out during 1987-88 are given below :—

| | | |
|---------------------------------|------|------|
| 1. Rolling shutters | 28 | Nos. |
| 2. Collapsible gates | 59 | Nos. |
| 3. M. S. O. H. tanks. | 38 | Nos. |
| 4. Hand carts | 96 | Nos. |
| 5. Office furniture | 8 | Nos. |
| 6. Cemetry articles | 5 | |
| 7. Hospital jobs | 15 | |
| 8. Special jobs | 11 | |
| 9. Electric pump sets P. M. | 1178 | |
| 10. Break down of pump attended | 432 | |

The total strength of this section is 14 employees (labour as well as superiors).

The Electrical Repair is situated at Bandra.

The electric items repaired in the year 1987-88

| | |
|------------------------------------|------|
| 1. The backlog of the year 1986-87 | 228 |
| 2. Job received | 1288 |
| 3. Job completed | 1231 |
| 4. Job pending | 187 |

Detailed report of total output of Municipal Foundry for the year 1987-88.

APPENDIX - 1

| Sr. No. | Name of the castings. | Rate | Per Rs. Ps. | Amount. | Rs. Ps. |
|----------|---|-------------|-------------|---------|--------------|
| 1. | C. I. Manhole Frames and Covers 540 mm. | 982 Nos. | 1,200.00 | Each | 11,78,400.00 |
| 2. | Rect. Manhole frames and covers 914 x 610 mm. | 233 Nos. | 1,250.00 | " | 2,91,250.00 |
| 3. | Rect. Manhole frames and covers 914 x 457 mm. | 184 Nos. | 1,150.00 | " | 2,11,600.00 |
| 4. | C. I. Machinable casting. | 35,000 Kgs. | 13.00 | Kg. | 4,55,000.00 |
| 5. | Brass Casting. | 1296 Kgs. | 45.00 | " | 58,320.00 |
| 6. | White Metal Brassing. | 12 Nos. | 400.00 | No. | 4,800.00 |
| Total :- | | | | | 21,99,370.00 |

APPENDIX - II

ADMINISTRATIVE REPORT OF A. E. ELECT. (P & D) FOR THE YEAR 1987-88

| Sr. No. | Description | Estimate Prepared | | Amount | | Contract Awarded | | Amount | |
|---------|--|-------------------|-------|--------------|--------------|------------------|-------|--------------|----------------|
| | | City | Subs. | City | Subs. | City | Subs. | City | Subs. |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
| 1. | School | 4 | 8 | 9,38,000.00 | 3,84,560.00 | — | 1 | — | 37,145.00 |
| 2. | Housing | 1 | 4 | 1,37,500.00 | 5,38,424.00 | 1 | 2 | 1,70,392.00 | 2,27,905.00 |
| 3. | Hospitals, Maternity Home, Dispensaries. | 11 | 3 | 13,84,056.00 | 4,29,500.00 | 5 | 8 | 21,21,297.00 | 4,45,038.00 |
| 4. | Markets | — | — | — | — | — | — | — | — |
| 5. | Offices | 8 | 4 | 7,94,356.00 | 2,54,500.00 | 11 | — | 1,64,363.00 | — |
| 6. | Transport Garage | — | 2 | — | 5,00,000.00 | — | 1 | — | 1,12,224.00 |
| 7. | Welfare Centre | — | — | — | — | 0 | 10 | — | 83,06,170.00 |
| 8. | Cemetery | 2 | 2 | 1,90,413.00 | 2,18,500.00 | 2 | 5 | 19,30,865.00 | 6,97,853.00 |
| 9. | Swimming Pool | — | — | — | — | 1 | 2 | 25,000.00 | 13,89,524.00 |
| 10. | Lifts | 1 | 2 | 4,08,000.00 | 4,87,000.00 | 5 | 5 | 30,30,130.00 | 48,33,050.00 |
| 11. | Intercom | 1 | — | 17,620.00 | — | 3 | 1 | 75,439.00 | 13,555.00 |
| 12. | Fire fighting | — | — | — | — | 1 | — | 16,65,000.00 | — |
| 13. | Fire brigade | — | — | — | — | — | — | — | — |
| 14. | Gardens | 7 | 11 | 6,88,000.00 | 12,52,845.00 | 5 | 6 | 3,19,866.00 | 2,87,526.00 |
| 15. | Sports Complex, Andheri | — | — | — | — | — | — | — | — |
| 16. | Etc. | 2 | 3 | 5,15,796.00 | 1,65,000.00 | 2 | — | 2,27,271.00 | — |
| Total : | | 37 | 39 | 50,73,741.00 | 42,30,329.00 | 36 | 41 | 97,29,423.00 | 1,63,49,790.00 |

APPENDIX - III

Sub : Administrative report for the year ending 1987-88 of Refrigeration Section.

| Sr. No. | Name of proposal | Estimate Prepared | | Tender Invited | | Works order placed | | | |
|---------------------|---------------------------------|-------------------|--------------|----------------|-------------|--------------------|----------------|---------|--------------|
| | | City | | Suburbs | | City | | Suburbs | |
| 1. | 2. | Nos. | Amount | Nos. | Amount | Nos. | Amount | Nos. | Amount |
| | | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
| | | | Rs. | | Rs. | | Rs. | | Rs. |
| LOAN WORKS : | | | | | | | | | |
| 1. | Window model | 14 | 11,57,133.00 | 3 | 78,563.00 | 14 | 15,93,168.70 | 5 | 2,85,773.40 |
| 2. | Aircooled Triomatic/Split-units | — | — | 4 | 3,70,000.00 | — | — | 2 | 30,72,515.00 |
| 3. | Package water cooled units | 6 | 37,75,000.00 | — | — | — | — | — | — |
| 4. | Roof insulation/false ceiling | 1 | 21,883.25 | 1 | 1,31,673.75 | 1 | 21,883.25 | 1 | 1,31,673.75 |
| 5. | Mortuary cabinet | 1 | 99,400.00 | 1 | 99,400.00 | — | — | 1 | 6,14,460.00 |
| 6. | Walk-in-cooler | 1 | 2,60,000.00 | 1 | 2,60,664.00 | 1 | 1,70,872.56 | 1 | 1,70,872.56 |
| 7. | Central Plant | 1 | 40,00,000.00 | — | — | 4 | 1,84,95,101.00 | — | — |

APPENDIX — IV
ELECTRIFICATION OF PROVIDING ELECTRICALLY DRIVEN WATER PUMPING SETS ETC.

| Sr. No. | Description of the work. | Works completed | Actual expenditure Rs. | Work in progress | Expenditure upto 31-3-87 Rs. | REMARKS. |
|-----------------|------------------------------------|-----------------|------------------------|------------------|------------------------------|------------------------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. |
| 1. | SCHOOL | | | | | |
| | City | 1 | 1,20,839.00 | — | — | |
| | Western Suburbs. | — | — | — | 62,374.28 | Outstanding paymen |
| | Eastern Suburbs. | — | — | — | — | made for provious |
| 2. | WARD OFFICES. | | | | | |
| | City | 1 | 3,42,176.00 | — | 32,604.00 | works (For 3 schools). |
| | Western Suburbs. | — | — | 1 | — | |
| | Eastern Suburbs. | — | — | — | — | |
| 3. | HOSPITAL & DISPENSARIES | | | | | |
| | MATERNITY HOME. | | | | | |
| | City | 3 | 18,11,943.00 | 1 | 58,170.00 | |
| | Western Suburbs. | 4 | 51,92,597.00 | 1 | 6,56,838.00 | |
| | Eastern Suburbs. | 1 | 970.00 | 1 | 970.00 | |
| 4. | MARKETS. | | | | | |
| | City | — | — | — | — | |
| | Western Suburbs. | — | — | — | — | |
| | Eastern Suburbs. | — | — | — | — | |
| 5. | HOUSING. | | | | | |
| | City | — | — | 1 | 5,708.00 | |
| | Western Suburbs. | 1 | 1,21,424.63 | — | — | |
| | Eastern Suburbs. | 1 | 3,550.00 | — | 3,550.00 | |
| 6. | GARAGES. | | | | | |
| | City | — | — | — | — | |
| | Western Suburbs. | — | — | — | — | |
| | Eastern Suburbs. | 1 | — | — | — | |
| 7. | WELFARE CENTRE/ | | | | | |
| | GYMNACIUM. | | | | | |
| | City | — | — | — | — | |
| | Western Suburbs. | 1 | 74,480.00 | — | — | |
| | Eastern Suburbs. | 1 | 350.00 | — | — | |
| 8. | LIFTS. | | | | | |
| | City | 4 | 1,39,643.00 | 14 | 51,443.00 | |
| | Western Suburbs. | — | — | 11 | 51,92,596.00 | |
| | Eastern Suburbs. | 1 | 2,000.00 | — | 2,000.00 | |
| 9. | CEMETERIES/CREMATORIUM | | | | | |
| | City | — | 8,11,878.00 | — | — | |
| | Western Suburbs. | 1 | 30,491.00 | — | 120.00 | |
| | Eastern Suburbs. | 1 | 120.00 | — | — | |
| 10. | FIRE BRIGADE. | | | | | |
| | City | 1 | 43,184.00 | — | — | |
| | Western Suburbs. | — | — | 1 | 10,90,705.00 | |
| | Eastern Suburbs. | 1 | 1,500.00 | 1 | 4,26,897.00 | |
| | | | | | 1,500.00 | |
| 11. | DRAMA THEATRE/TRAIN- | | | | | |
| | ING CENTRE SPORTS | | | | | |
| | COMPLEX. | | | | | |
| | City | — | — | — | — | |
| | Western Suburbs. | — | — | — | — | |
| | Eastern Suburbs. | 1 | 430.00 | — | 430.00 | |
| 12. | SWIMMING POOL. | | | | | |
| | City | — | — | — | — | |
| | Western Suburbs. | 2 | 4,10,596.87 | 4 | 30,81,811.81 | |
| | Eastern Suburbs. | — | — | — | — | |
| 13. | MISC. WORK | | | | | |
| | AIRCONDITIONING | | | | | |
| | ELECTRIFICATION | | | | | |
| | SLUMS. | | | | | |
| | City | — | — | — | — | |
| | Western Suburbs. | — | — | — | — | |
| | Eastern Suburbs. (Schools). | — | — | — | — | |
| | Market. | — | — | — | — | |
| Total :— | | | 99,09,412.00 | | 1,14,65,932.00 | |

Statement showing the information of the Head of the Department of solid Waste Management.

| Sr. No. | Designation | Name of the Officer. | Qualification | Period of leave taken in the year 1987-88 | Remarks if any |
|---------|---|----------------------|---------------|---|---|
| 1. | 2. | 3. | 4. | 5. | 6. |
| 1. | Dy. City Engineer (Solid Waste Management). | Shri S.Shankarappa | B. E. (Mech.) | Nil | Promoted as Ch. Eng. (S.O.) With effect from 18-5-87. |
| 2. | Dy. City Engineer (Solid Waste Management). | Shri C. D. Kotnis. | B. E. (Mech) | 28-3-88 to 26-4-88 with benefit of prefix sunday on 27-3-88. Resumed duty on 27-4-88. | — |

Administration Report of Solid Waste Management Department for the year 1987-88 (City, Subs. and Ext. Subs.).

The Department of Solid Waste Management including the Transport Branches works under the direction and control of the Dy. City Engineer, (Solid Waste Management). He is assisted in the work by Head Supervisor (Solid Waste Management), Dy. Head Supervisors, Assistant to the Supervisors and by two Executive Engineers in the Transport Wing. The Transport Wing provides vehicles for transportation of refuse and Cess-pool contents from unsewered area.

Solid Waste Management : The service consists of Collection, removal and disposal of garbage and sweepings from the public roads, streets, footpaths and by lanes and maintenance of dumping grounds. The work of removal of Night Soil and cess-pool from unsewered areas, maintenance of public Sanitary Conveniences is also undertaken.

Collection of Refuse, Debris etc. : All the public Roads, foot-paths and house gullies are cleaned daily. The quantity of refuse debris and other waste material collected in street cleansing operation as well as from residential premises was approximately 9.12 tonnes (City) and 8.68 lakhs tonnes in Subs. average per day being 2500.01 & 2379.87 tonnes in City & Subs. respectively. During the year, 150 hutment colonies in City and 943 in Subs & Ex. Subs. situated on Government, Maharashtra Housing Board, Private and B. M. C.'s land were attended to and 75545 and 109929 tonnes of refuse was removed from the said slum colonies in City and Subs respectively.

Transportation of Refuse : Transportation of refuse as collected above, was regularly carried out by engaging mechanical traction. Total vehicles shift employed for removal of refuse during the year are as under :—

| Sr. No. | Area | Municipal vehicle | Vehicles shift on contract | Ratio. |
|---------|-------------------|-------------------|----------------------------|--------|
| 1. | City | 38942 | 109555 | 26.22 |
| 2. | Sub. & Ext. Subs. | 27114 | 74648 | 26.64 |

For transportation of refuse 14 compacting vehicles which carry 1½ times more load than that carried by conventional vehicles.

Disposal of Refuse : The final disposal of refuse was carried out by reclaiming low lying land at Deonar. Total refuse dumped at Deonar from City Wards was approximately 7,73,687 tonnes. The final disposal of refuse was done by reclaiming Low lying land at Chincholi, Gorai, Easic Nagar and Chandan & Marve Road., Malad in the Western Suburbs and Deonar and Mulund in the Eastern Suburbs. Total disposal of waste in the Western Suburbs and Eastern Suburbs dumping grounds was 5,97,140 tonnes.

Public & Private Latrines and Urinals : During the year, 1280 public sanitary conveniences with 8158 W. C. Seats and 937 Urinals Stalls were maintained. There exist 86 separate urinal blocks with 392 urinal stalls in the City area and 176 Urinal blocks with 680 urinal stalls in the Suburbs and Ext. Subs.

Prevention of Nuisance : 687 cases in the City and 916 cases in Subs. and Ext. Subs. were lodged by 91 Nuisance Detectors for offences such as urinating, defecating and throwing refuse on public roads under Section 115 of the Bombay police Act, and Rs. 55,309.00 were recovered as fine. During the year 683 cases in the City and 1044 cases in Sub. & Ext., Subs. were lodged under Section 372(E) of the Bombay Municipal Corporation Act, & Rs. 38,200 and Rs. 54,318 were levied as fine respectively in the City and Suburbs.

Removal and Disposal of Dead Animals : Bombay Khadi & Village Industries Association are the contractors for the work of removal and disposal of dead animals from areas within Greater Bombay limits. About 21262 dead animals were removed during the period from 1st April 1987 to October 1987. From November 1987 the work is carried out departmently due to strike of employees of Bombay Khadi & Village Industries Association.

Conservancy Services : Special Conservancy Services were rendered to Circuses, Exhibitions, Big concerns, Industrial Establishments etc., on payment of schedule charges. An amount of Rs. 28,600 was received for rendering conservancy services.

Conservancy Staff Quarters : 159 Labour Chawls, 9 Transit Camps in the City and 111 Chawls in Subs. with 4169 and 1861 tenements respectively were looked after and maintained for housing Conservancy staff. Out of 10082 employees in the City Wards and 7501 employees in the Subs. and Ext. Subs. Wards about 41.35% and 24.81% respectively are provided with accomodation and the rest of the employees are paid House Rent Allowance.

Labour Welfare : 31 Welfare Centres are working for the benefit of Conservancy employees at different places in the City and Subs.

Co-Operative Credit Societies for Labourers : There are 12 Co-operative credit societies with an aggregate membership of 4979 members for the benefit of the labourers staff of S. W. M. Deptt. The share capital subscribed was Rs. 40,31,863. The working of the co-operative credit societies is satisfactory.

Expenditure on Conservancy Services for the year 1987-88 : The total expenditure for Div.-I, II & III incurred on Collection, Removal and disposal of garbage, Cess-pool and Maintenance of cleanliness of Public Sanitary Conveniences etc., during the year was Rs. 41,74,60,481.65 out of which Rs. 38,10,34,998.94 was for clearance, transportation and disposal of refuse of 17.80 lakh tonnes. The expenditure on Halakhore Services in the City and Suburbs was Rs. 1,00,07,490.10 and Rs. 2,64,17,792.61 respectively.

The cost of removal per tonne of garbage comes to Rs. 214.00 and per capital Rs. 43.30.

Special Features :—

This Department has received financial assistance from International Development Association (I. D. A.) under the Bombay Urban Development Project —I (BUDP-I). The following works have been undertaken under this project.

1. Mechanical Refuse Transfer Station at Mahalaxmi.
2. Sites & Services Programme.
3. Slum Upgradation Programme.

The present status of the Works is as under :—

1) The work of preparation of Tender document related to the Refuse Transfer Station of 500 tonnes per day capacity at Mahalaxmi is in progress. The actual civil works and erection of plant and machinery will commence after finalisation of tender documents and invitation and award of contract.

2) Purchase of Refuse Vehicles, Ex-cavators and construction of two garages, mustering chowkies etc. is included in the Sites and Services programme and the Slum Upgradation Programme. Tenders for procurement of Refuse vehicles, ex-cavators, are received. Supply will commence shortly. Tenders for garages and Mustering Chowkies etc. are being finalised shortly. Actual work will commence immediately after award of contract.

Sd/-

Chief Engineer,
Solid Waste Management.

So far as the Solid Waste Management Department, Division—I, II, III is concerned the Statistical data regarding Revenue and Expenditure for the year 1987-88 for the City, Western Suburbs and Eastern Suburbs is given below :—

| | Division — I | Division — II | Division — III | Total |
|--|------------------------|------------------------|-----------------------|------------------------|
| | Rs. | Rs. | Rs. | Rs. |
| I Revenue | 69,26,550.00 | 15,12,282.00 | 4,57,179.19 | 88,96,011.19 |
| II Expenditure on Establishment. | 17,84,32,053.07 | 8,58,92,151.00 | 4,57,83,274.75 | 31,01,07,478.82 |
| III Expenditure from Revenue Budget. | 7,84,02,542.00 | 1,55,30,293.00 | 1,05,95,777.83 | 10,45,28,612.83 |
| IV Expenditure from Loan Works Budget. | 4,31,341.00 | 3,24,753.00 | 20,68,296.00 | 28,24,390.00 |
| Grand Total of Expenditure II, III, & IV. | 25,72,65,936.07 | 10,17,47,197.00 | 5,84,47,348.58 | 41,74,60,481.65 |

CHIEF ENGINEER (DEVELOPMENT PLAN)

The Corporation have finalised the draft revised Development plan of Brihan Mumbai and the same has been submitted to the State Government for approval. The State Government in Urban Development Department in turn appointed an Advisory Committee under the Chairmanship of Shri J. S. D'souza, Ex. Ch. Secretary to the State Government to scrutinise the Development plan proposals and the Development Control Rules finalised by the Corporation. The Development plan Department has helped the said Committee by furnishing the necessary details including the background in framing of different policies for the purpose of framing of the draft revised D. P., resources and implementation of the same, etc. This office has also assisted Director of Town planning, Maharashtra State. The said Advisory Committee has already submitted its report on the draft Development plan of Brihan Mumbai and draft Building Bye-laws and Development Control Rules to the State Government and the administration is in dialogue with the State Government in this respect.

The Development wing of the Chief Engineer Development plan is also connection with various policies required to be framed for implementation of Development Control Rules, Development plan etc. In this connection, necessary policies for allowing development of the plots reserved for the purpose of Market and Primary school etc. have been framed and the same have been submitted to the Corporation for their consideration.

Considering the size and magnitude of the implementation of the proposals made in the draft revised Development plan, it is extremely necessary to augment the Municipal funds and to raise further resources for the same. Due to present financial stringency, the programme of acquiring the land for various public purposes was required to be restricted for acquisition of lands mainly to the cases of purchase Notice under Section 127 of the Maharashtra Regional & Town Planning Act, 1966. There are many properties, which are encumbered and it becomes difficult to provide alternative accommodation to the occupants thereof. However, as it is the policy of the Corporation to provide alternative accommodation to the persons displaced an account of various development proposals, the State Government is being requested to transfer some of the surplus vacant lands for development purposes under the provision of the Urban Land (Ceiling & Regulation) Act, 1976 either at no cost or at low cost. Similarly, the private institutions are also being encouraged to take up the development of some of reservations such as primary schools/Secondary schools, welfare Centres etc., at their cost and thus making the amenity available to the members of public.

ACQUISITION :

As per the Land Acquisition Amendment Act (I), 1984, L. A. cases for which the notification u/s. 6 of the L. A. Act, have been issued prior to 24th September 1984, the awards were required to be declared by 24th September 1986. There were 180 land acquisition cases of the Municipal Corporation for which the notification u/s. 6 of the L. A. Act, had been issued prior to 24th September 1984. It was, therefore, decided to give priority to only those few cases which are urgently required for the projects in hand and for the purposes of proposed roads etc., and for which the necessary funds were available in the budget. In view of this 40 cases have been finalised and the awards have been declared 23rd September 1986. Notification in respect of remaining cases have already been passed 24th September 1986. The awards for 4 cases were declared after finalising the acquisition proceeding during the year 1987-88, after fixing the priority etc. Fresh notification will have to be issued in accordance with priority fixed for the same by the user depts., etc.

Apart from the land acquisition cases, the Acquisition section has taken possession of the lands in respect of 42 cases free of cost against the grant of F. S. I. of the road land under D. C. Rule 10(2) and against conditions of the exemption order under the U; L; C. & R. Act, etc., for the year 1987-88.

In 1 case the valuation have been done for the Municipal lands. Standard rents have been fixed for 21 Municipal properties.

The Municipal Corporation has taken over the possession of 10 plots from the State Government and B. H. A. D. Board for public amenities.

TOWN PLANNING SCHEMES :

There are all 33 T. P. Schemes in the Greater Bombay of which 4 are in city, 25 in Suburbs and 4 in extended suburbs out of which except the T. P. Schemes mentioned below at Sr. No. 1 to 3 and T. P. Schemes mentioned below at Sr. No. 1 to 3 and T. P. Scheme at Sr. No. 4 which was previously included in the T. P. Scheme declared for variation and the same is not dropped by the State Government. The said T. P. Scheme will again declared for variation on finalization of the Revised Development plan for the Greater Bombay which is now a day before the State Government for its final sanction. Also, except the T. P. Scheme mentioned at Sr. 1 to 3, and the T. P. Schemes in the Greater Bombay are being implemented by the concerned ward officers.

T. P. Schemes

Position as on 31-3-1988.

- | | |
|---|--|
| (1) T. P. S. Vile Parle No. V. | T. P. Scheme before the State Government for its final sanction which is still awaited. |
| (2) T.P.S. Borivali No. III Final. | This T.P.S. schemes submitted to the State Government for its final sanctioned by the Arbitrator, T.P.S. Bombay but the same has been returned to the Arbitrator T.P.S. Bombay by the State Government for certain classification. |
| (3) T.P.S. Borivali No. III. | This T. P. Schemes is submitted to the State Government by Arbitrator for its final sanction. |
| (4) T.P.S. B. C. No. I (Mandvi and Elphinstone Estate). | This T. P. Scheme is under variation and the same will be submitted to the State Government for its final sanction after incorporating the provision and the Revised D.P. provision duty submitted to the State Government. |

THE ZONAL SET UP OF BUILDING PROPOSAL SECTION :-

Greater Bombay area has been divided into three Zones viz. City zone, Western Suburbs zone & Eastern Suburbs zone under the control of Ch. Eng. (D.P.)'s Department and activities of Building proposal section in these zones are now in full swing. The zonal Dy. City Engineers are giving technical guidance in engineering matters to the respective Executive Engineers of Building proposal section and Ward officers in their zones so far as private developments are concerned.

In order to streamline the procedure in the Building proposal section as also to out short the delay in approving the plans, a manual has been prepared by the administration in consultation with DEATA and with the adoption of the procedure specified in the manual, the period for approval of the building proposals will be reduced. Similarly, the system of Central Cell has been started in the building proposal section which co-ordinates the remarks of the various departments of the Corporation needed for the consideration of development permission etc. This will also avoid considerable inconvenience to the architects, owners etc.

STATEMENT - I**THE NAMES AND QUALIFICATIONS OF THE HEADS OF DEPARTMENTS WHO HELD POST DURING THE YEAR I.e., FROM 1-4-1987 to 31-3-1988.**

| Sr. No. | Designation | Name of the officer | Qualifications | Period | | Remarks |
|---------|-----------------|---------------------|----------------------|---------------------------|----|---|
| | | | | From | To | |
| 1. | Ch. Eng. (D.P.) | Shri P. M. Kale | B.E. (Civil) | 30-9-1987 | | Promoted as Dir. (Es. & S.) w.e.f. 1-10-1987. |
| 2. | Ch. Eng. (D.P.) | Shri M. Y. Sabnis | B.E. (Civil) MIE. | 1-10-1987 to upto date | | Transferred as Ch. Eng. (DP) from Ch. E. (Rds. & SWD) w.e.f. 1-10-1987. |

Sd/-
Chief Engineer,
(Development Plan)

BRIHAN MUMBAI MAHANAGARPALIKA

STATEMENT — II

(The Statistical information to be furnished by sectional heads).

| Particulars | City | Eastern Suburbs | Western Suburbs |
|---|---|--------------------|--------------------|
| I — Expenditure | | | |
| 1) Expenditure incurred on execution of works from L. W. Budget. | Report will be submitted separately by E.E.B.C. (City). | Nil | Nil |
| 2) Expenditure incurred on execution of works for maintenance of properties etc. from Revenue Budget. | Nil | Rs. Nil | Nil |
| 3) Expenditure on the establishment.. | Rs. 51,15,827.20 | Rs. 20,89,260.00 | Rs. 36,00,262.00 |
| 4) Expenditure on the other heads : | | | |
| a) From loan works budget | Nil | Rs. Nil | Nil |
| b) From Revenue Budget | Rs. 76,519.00 | Rs. Nil | Rs. 1,44,981.00 |
| | Total : | Rs. 20,89,260.00 | Rs. 37,54,243.00 |
| II — Revenue | | | |
| Revenue earned by the deptt. during the year 1986-87. | Rs. 1,09,62,636.00 | Rs. 1,59,90,228.00 | Rs. 3,88,06,006.00 |

Sd/-
Chief Engineer,
(Development Plan).

BRIHAN MUMBAI MAHANAGARPALIKA

STATEMENT — III

Information for the period from 1-4-1987 to 31-3-1988.

| Particulars | City | | | Eastern Suburbs | | | Western Suburbs | | |
|--|--------------------------------|--------------------------------|-------|--------------------------------|--------------------------------|-------|--------------------------------|--------------------------------|-------|
| | Under sec. 337 of the BMC Act. | Under sec. 342 of the BMC Act. | Total | Under sec. 337 of the BMC Act. | Under sec. 342 of the BMC Act. | Total | Under sec. 337 of the BMC Act. | Under sec. 342 of the BMC Act. | Total |
| 1) Total No. of Bldg. proposed received. | 184 | 412 | 596 | 280 | 117 | 397 | 789 | 314 | 1103 |
| 2) Permits issued for construction of building (IOD/66 C.C.) | 97 | 166 | 263 | 306 | 73 | 379 | 490 | 146 | 636 |
| 3) Completion certificate received (OCC/BCC). | 52 | 18 | 70 | 85 | 8 | 93 | 587 | 98 | 685 |
| 4) Total No. of Bldg. dealt with | 149 | 184 | 333 | 391 | 81 | 472 | 1866 | 558 | 2424 |

No. of residential buildings construction by different agencies (other than Municipal) during the year 1987-1988.

| Agencies | No. of Bldgs. City | No. of tenements | No. of Eastern Suburbs Bldgs. | No. of tenements | No. of Western Suburbs Bldgs. | No. of tenements. |
|------------------------------------|--------------------|------------------|-------------------------------|------------------|-------------------------------|-------------------|
| 1) Private enterprises. | 34 | 952 | 180 | 2858 | 396 | 7075 |
| 2) Co-operative Societies. | 10 | 97 | 28 | 482 | 82 | 3824 |
| 3) Employer's for their employees. | 9 | 41 | 24 | 1382 | 8 | 420 |

Sd/-
Chief Engineer,
(Development Plan).

**BRIHAN MUMBAI MAHANAGARPALIKA
STATEMENT - IV**

Information showing the proposals for non residential buildings :-

- 1) No. of proposals received : 73
 2) No. of Proposals disposed off : 47
 3) No. of Bldg. constructed during the year : 15

Details of layouts amalgamation and sub-division proposal received during the year 1987-88.

| Wards | Layout | | Amalgamations | | Sub-division | |
|--------------------------|----------|------------|---------------|------------|--------------|------------|
| | received | sanctioned | received | sanctioned | received | sanctioned |
| City : | | | | | | |
| A | 2 | 1 | 0 | 0 | 0 | 0 |
| B | 0 | 0 | 1 | 0 | 0 | 0 |
| C | 0 | 0 | 2 | 1 | 0 | 0 |
| D | 2 | 1 | 1 | 0 | 1 | 1 |
| E | 0 | 0 | 2 | 1 | 0 | 0 |
| F/S | 1 | 1 | 2 | 1 | 1 | 0 |
| F/N | 0 | 0 | 2 | 1 | 0 | 0 |
| G/S | 1 | 1 | 0 | 0 | 0 | 0 |
| G/N | 2 | 1 | 0 | 0 | 1 | 1 |
| Eastern Suburbs : | | | | | | |
| L | 3 | 1 | 2 | 2 | 0 | 0 |
| M | 4 | 3 | 4 | 1 | 0 | 0 |
| N | 14 | 5 | 4 | 9 | 3 | 3 |
| T | 2 | 4 | 4 | 3 | 5 | 3 |

Sd/-
Chief Engineer,
(Development Plan).

Administrative Report for the year 1986-87

| | | | |
|---|--|-------------------------|-------------------------|
| II - Achievements : | | | |
| (2) Building Proposals Branch | | Under Section 337 | Under Section 342 |
| (a) Residential Building Proposals | | | |
| (i) Received | | 1026 | 882 |
| (ii) Approved | | 399 | 472 |
| (b) Non-Residential Building Proposals | | 342 | |
| (c) Non-Residential Building constructed (Nos of tenements are shown in brackets) | | No. of Buildings | |
| By Pvt. Parties | | 666 | (18,758) |
| By Co-Op. Societies | | 176 | (5,082) |
| By employees for their employees. | | 70 | (3,150) |
| (d) Non-residential Building constructed Pvt. Parties. | | 120 | |

Sd/-
Chief Engineer,
(Development Plan).

CIVIC TRAINING INSTITUTE & RESEARCH CENTRE

| | |
|--|-----|
| 1) Training Programmes conducted in Administrative, Technical, Financial and General Management areas. | 126 |
| 2) Seminars/Workshops conducted on different topics. | 2 |
| 3) Project studies carried out to suggest improvements in the work systems/organisation | 52 |
| 4) Nos. of papers presented at any seminar conference etc. | NIL |

Shri D. J. Vyas, Chief Engineer (Civic Training Institute & Research Centre), Shri R. N. Joshi and Shri A. M. Gor, Executive Engineers (CTI & RC) participated at the Afro-Asian Conference at Nehru Science Centre, Worli, Mumbai. The Conference was organised by the Bombay Centre and the International Division of the 'Indian Water Works Association'. At the Conference the topics included subjects like 'Water Resources Development' including 'Operation of Multiple Resources', 'Distribution Net Work Design', 'Distribution System', 'Water Quality', 'Leak Detection', 'Funding of Projects', Integrated Water Management etc.

5) Progress Note on Pilot Plant Studies at Dadar Sewage Treatment Plant.

The Research and Development experiment with the pilot plant of 'Anafil' Digester for treating sewage and generating bio-gas has been undertaken with a grant-in-aid of Rs. 6.04 lakhs from the Department of Non Conventional Energy Sources, (D.N.E.S.) Ministry of Energy, Govt. of India. An amount of Rs. 4 lakhs was released by the D.N.E.S. before starting construction in 85-86. The plant has been constructed and commissioned in 1986. The plant was in continuous operation in 1987-88. The initial results are encouraging. This is a single unit process for treating sewage and consumes minimum energy. At the same time dioxide it generates energy in the form of bio-gas of enriched quality (i.e., low Carbon Lioxide content). The average gas yield was 60 litres per cu.m. of sewage. The D.N.E.S. has sanctioned release of a second instalment of Rs. 2 lakhs from their grants for the year 1987-88. The experiment is to be continued till the end of May 1989.

6) Central Library :

| | |
|--|------|
| (A) (i) Number of new members enrolled in the Central Library during the year 1987-88. | 45 |
| (ii) Total members | 450 |
| (B) (i) Number of new books purchased during the year 1987-88. | 152 |
| (ii) Total No. of books | 4179 |

7) Other Activity :

The Modified 'Intensive Ward Services Operation System', which provides effective sanitary, cleansing and road maintenance services and redressal of grievances of the citizens, has been introduced in all the wards based on a study carried out in H/West Ward.

8) Budget Information during 1987-88.

(A) Expenditure

1. Expenditure on Establishment — Rs. 18,70,310.62
2. Expenditure on other heads — Rs. 5,79,479

(B) Revenue : NIL.

ESTATES AND LAND MANAGEMENT DEPARTMENT.

PROFORMA

| Sr. No. | Designation | Name of the Officer | Qualification | Period | Remarks |
|---------|----------------------|-----------------------|---------------|---------------------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1. | Ward Officer I/c. | Shri D. F. Ichhaporia | L. S. E. | From 1-4-1987 to 29-10-1987. | — |
| 2. | Ward Officer | Shri N. N. Puppalwar | B. E. (Mech.) | From 30-10-87 to 31-3-1988 | — |

Office Supdt. 'B' Ward.

| | | |
|-----|------------------------------------|--------------------|
| (1) | Money/spent. | Rs. |
| (2) | Money earned— | |
| | (i) Rent from tenants and lessees. | Rs. 3,28,30,149.00 |
| | (ii) Other. | Rs. 1,70,86,414.00 |

A — Ex-Trust Section.

There were no changes in Schedules X, Y and Z Lands. The changes effected in the other Ex-Trust Estates are shown in Statement 'A'. The undeveloped land at present with the Corporation is approximately 494 acres which covers the land at Dharavi Scheme 56.

B — Municipal Section.

4 Plots in Municipal Scheme have been disposed off in the year 1987-88 as shown in Statement 'C'. The statement below indicates the progress of the disposal of the Municipal land during the previous years.

| Year | No. of plots | Area in Sq. Metres. | Capital value. Rs. |
|---------|--------------|---------------------|--------------------|
| 1984—85 | 11 | 7,962.03 | 28,95,455.00 |
| 1985—86 | 5 | 10,789.72 | 46,91,344.69 |
| 1986—87 | 5 | 9,276.03 | 15,59,494.90 |

Slum Clearance.

No new tenements were completed during the year under report.

Industrial Estates.

The construction of Industrial Estates has been taken by Corporation for rehabilitation of the Industrial Units required to be shifted from the lands required for Municipal purposes.

No new Industrial Estate has been constructed during the year under report.

New Housing Schemes.

(1) The following new tenements were completed during the year under report :—

- (i) 300 T/S at Deonar.
- (ii) 47 T/S Trishul bldg.
- (iii) 72 T/S Ganesh Nagar Lalbaug.

(2) The recoveries of rents of the dormitory at Palton Road amounted to Rs. 95,558.00 during the year.

DISPOSAL OF LANDS

(A) Long Leases

4 plots were let out during the year. The total area of the land thus disposed off admeasures 7,766.16 square meters valued at Rs. 12,97,149.76. The total No. of plots disposed off upto the end of 1987-88 were 4442 with an area of 55,00,805.76 square meters and valued at Rs. 17,44,59,791.25 yielding an annual ground rent of Rs. 83,60,994.57. The ground rent is charged at 10% per cent. On the value of land. The rate for calculating ground rent revised from 7% to 10% as per C. R. No. 2493 of 23-3-1976. The commutation is stopped from 1st July 1962.

The progress of the disposal of Trust lands on permanent basis is shown as under :—

| Particulars. | No. of Plots. | Area in Sq. Mts. | Capital value. Rs. | Annual Rent. Rs. |
|--|---------------|------------------|--------------------|------------------|
| 1984-85 Plots leased on Rental basis. | 11 | 7,662.03 | 28,95,455.00 | 78,96,161.19 |
| 1985-86 Corresponding figures. | 5 | 1,789.72 | 46,91,344.69 | 80,75,329.00 |
| 1986-87 | 5 | 9,276.03 | 15,59,494.90 | 82,31,278.47 |

The amount received by way of commutation of ground rent and premium etc., during the year was Rs. 10,86,377.00.

As can be seen in the Statement 'J' vide Item No. 8 that percentage of 64-71 arrears could be attributed mostly to the usual tendency on the part of the prospective lessees to withhold payment of ground rent to the extent to cash security deposited by them with a view to getting the same adjusted towards the ground rent. The main items of arrears which constitute a part break up of Rs. 1,23,058.36 pertaining to 'B' Budget and of Rs. 66,33,436.02 pertaining to 'A' Budget shown in statement 'D' can be classified as under :—

| Sr. No. | Ground Rent | Rs. |
|---------|---|-------------|
| (1) | With-held by lessees to the extent of their security deposit. | 1,46,749.00 |
| (2) | Of plots occupied by Government of Maharashtra and Defence Department. | 1,30,898.18 |
| (3) | Of properties vested in the Deputy Custodian of Evacuee property. | 7.00 |
| (4) | Of plots against which disputes have been raised and cases are under consideration. | 6,40,545.44 |
| (5) | Due from Western and Central Railways. | 78,641.31 |
| (6) | Due from Municipal Department. | 1,85,564.14 |

(2) Short Leases.

No temporary leases were granted during the year under report.

The number of vacant land tenancies both ex-Trust and Municipal Estates excluding those given in Mankhurd and Jogeshwari Colonies were 4218 and 659 respectively at the close of the year. The demand for vacant land tenancies in Ex-Trust Estates and Municipal Lands for the year under report was Rs. 7,70,814.56 and Rs. 31,32,148.89 and the recovery was Rs. 7,71,401.80 and Rs. 31,34,485.47 respectively inclusive of arrears.

MANAGEMENT OF PROPERTY AND COLLECTION OF REVENUE.

A — Trust Section.

(a) Chawl Permanent : The gross demand of tenements in the Chawls for the year was Rs. 62,94,491.56 on 31st March 1988 as against Rs. 80,35,193.12.

The concessional rent includes the rents of rooms let out to the poens of the different departments in lieu of house rent allowance and rent free quarters allotted to 193 sweepers on this department.

The Collection on account of rents from the permanent chawls during the year amount to Rs. 56,81,360.61 deducting therefrom the charges on account of outgoing amounting to Rs. not loss comes to Rs.

The Capital expenditure incurred on the chawls including the value of the land is Rs. 246 Lacs. The Corporation have to pay interest and sinking fund charges at the rate of 4.61 per cent. per annum on the capital expenditure prior to 1919-20 and 6.35 per cent. per annum on the capital expenditure incurred in subsequent years and 4.24 per cent. in respect of those constructed after 1950. This amounts to 13.85 per annum. after adding the amount of net loss into the amount of interest and sinking fund charges as shown in Statement 'G', the A/C. for the chawl shows a loss of about Rs.

(b) Semi permanent sheds : The gross demand in respect of 7340 rooms in the semi permanent sheds including Labour Camps for the year was Rs. 26,29,917.46. The net demand after excluding the concessional rent and vacancies was Rs. 26,23,859.85 which was equivalent to 145.71 per cent. of the total recoverable rent including arrears of Rs. 18,00,759.51 for the previous year.

The percentage of outgoing in respect of the chawls and Semi-Permanent sheds are shown in statement on the basis of annual rental of Rs. 1,37,16,553.73 for chawl and Rs. 44,13,507.91 for semi-permanent sheds, total outgoing being per cent and respectively.

Amounts transferred to Rent Equalisation Fund and Amenity Fund were Rs. 1,78,178.00 and Rs. 59,591.00 respectively. The difference between the standard rents works out on 5 per cent of the cost of land and 10 per cent on the cost of construction of post-war residential tenements and subsidised rents actually charged are to be met from the Rent Equalisation Fund.

Revenue collected from tenements constructed for slum clearance was Rs. 18,75,913.54 against the demand of Rs. 52,42,852.55 inclusive of arrears.

Acquired Properties : At the commencement of the year there were 449 acquired or surrendered buildings in charge of this department containing 6479 tenancies. At the close of the year, corresponding figures were 449 building and 6479 tenements.

The gross demand of 6479 tenements in the acquired and re-entered buildings was Rs. 26,89,631.96. After excluding the amount for concession in rent and vacancies the net demand for the year was Rs. 33,76,593.83.

The revenue collected amount to Rs. 31,34,485.47 which was equal to 212.73 per cent of the total recoverable amount including arrears of Rs. 14,73,421.29 for the previous year.

Summary of revenue : The total collection of revenue from leasehold plots and rent and ground rent from Building Vacant Land tenancies and slum clearance properties are shown in Statement 'D'.

Requisitioned Buildings : The management and collection of rent in respect of 17 properties having 386 tenancies requisitioned from private landlords for A. R. P. purposes were continued to be looked after by this department. The demand inclusive of arrears in respect of these tenancies for the year was Rs. 1,87,907.48 and the recovery was Rs. 85,852.96 which was equal to 45.69 per cent of the total recoverable amount.

During the year under review, the demand and recovery of taxes aggregated to Rs. 4,81,858.53 and Rs. 6,723.63 respectively. The arrears due for collection at the close of the year stood at Rs. 4,75,134.90.

B — Municipal Section.

Details of the total collection of revenue from Municipal properties under Budget 'A' are shown in Statement 'D'.

Tenements constructed under Budget 'A' for Municipal General Staff are shown in Statement 'H'.

STATEMENT 'C'.

Number of Plots disposed off in the different Municipal Lands in the City during 1987—1988.

| Sr. No. | Particulars of land. | Plot No. | Area in Sq. Mts. | Capital Value in Rs. | Ground Rent per annum in Rs. |
|------------------|------------------------------|------------------------------------|------------------|----------------------|------------------------------|
| Municipal | | | | | |
| 1) | Girgaum Division Angrewadi. | C.S. No. 631(pt) | 1,705.67 | ... | 1/- p.a. |
| 2. | Sion Matunga (East) Sthanik | C.S. No. 6(pt) (Adhya Agale Samaj) | 1170.54 | 5,85,270.00 | 58,527.00 p.a. |
| 3. | Sion Matunga (East) | C. S. No. 22(pt) | 353.94 | 3,37,658.76 | 33,766.00 p.a. |
| 4. | Sivaji Nagar Govandi Estate. | A-50 | 45,36.01 | 3,74,221.00 | 37,422.10 p.a. |
| Total | | 4 | 7,766.16 | 12,97,149.76 | 1,29,716.10 |

APPENDIX No. 3.

Statement showing the disposal of Ex-Trust Plots during 1987—1988.

| Particulars. | No. of Plots. | Area in Sq. Mts. | Capital Value in Rs. | Annual Rent in Rs. |
|---|---------------|------------------|----------------------|--------------------|
| Plot leased on rental basis. | ... | ... | ... | ... |
| Plots disposed off in 1986-87 earlier but surrendered to the Municipal Corporation. | ... | ... | ... | ... |
| Corresponding figures for disposal of Plots. | | | | |
| 1986—87. | 5 | 9,276.03 | 15,59,494.90 | 1,55,949.48 |
| 1985—86. | 5 | 10,889.72 | 46,91,344.69 | 1,79,167.80 |
| 1984—85. | ... | ... | ... | ... |

"J" Comparative Statement of demand, collection, etc. in respect of permanently leased plots.

| Sr. No. | Particulars. | 1985 | 1986 | 1987 | 1988 |
|---------|---|--------|--------|-------|-------|
| (1) | Number of Tenancies. | 4428 | 4433 | 4438 | 4442 |
| (2) | Balance of arrears in lakhs of rupees. | 12543 | 11472 | 15076 | 7887. |
| (3) | Demand for the year in lakhs of rupees. | 7511 | 8871 | 10211 | 10564 |
| (4) | Total demand including arrears in lakhs of rupees. | 20054 | 20344 | 25287 | 18452 |
| (5) | Amount collected in lakhs of rupees. | 10368 | 6672 | 18016 | 11941 |
| (6) | Percentage of collection to the demand including arrears. | 50.69 | 32.80 | 40.38 | 57.25 |
| (7) | Percentage of collection to the demand for the year. | 138.03 | 75.21 | 59.62 | 42.74 |
| (8) | Percentage of arrears to amount for collection. | 61.31 | 204.92 | 71.24 | 64.71 |

"F" Statement of percentages of outgoings in respect of Chawls and S. P. Sheds.

| Particulars. | Permanent Chawls. | | Permanent ground floors rooms and | |
|--|-------------------|------------|-----------------------------------|------------|
| | 1986-87 | 1987-88 | 1986-87 | 1987-88. |
| Sanitary Staff and Pumpmen. | 29.56 | ... | 75.50 | ... |
| Cost of Management & Establishment. | 7.50 | ... | 7.50 | ... |
| Municipal Rates and Taxes. | 13.00 | ... | 53.10 | ... |
| Repairs and Maintenance including lighting, vacancies. | 99.19 | ... | 91.85 | ... |
| Total | 149.25 | ... | 227.95 | ... |

"D" Summary of Revenue of Properties for the year 1987-1988
(000 omitted).

(Rupees in thousand,

| Particulars. | Properties under 'A' Budget. | | | Properties of 'B' Budget under Slum Clearance. | | | Properties under 'B' Budget. | | |
|---|------------------------------|------------|--------|--|---------|--------|------------------------------|------------|--------|
| | Perma- nent. | Temporary. | Total. | City | Suburbs | Total. | Permanent. | Temporary. | Total. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Demand for the year. | 312 | 9664 | 9976 | 3740 | 1988 | 5708 | 10251 | 12637 | 22888 |
| arrears as on 31-3-88 | 123 | 12145 | 12268 | 3345 | 3386 | 6711 | 6633 | 12648 | 19281 |
| totals. | 435 | 21809 | 22244 | 7085 | 5334 | 12419 | 16884 | 25285 | 42169 |
| Amount collected. | 621 | 20778 | 21397 | 3782 | 1875 | 5657 | 11320 | 12257 | 23577 |
| Variation in Demand for the previous years. | +16 | +528 | +544 | +377 | +52 | +429 | — | +1374 | +1374 |
| Carried out during the year. | — | -187 | -187 | — | — | — | — | -453 | -453 |
| Amount written off. | — | — | — | — | — | — | — | — | — |
| arrears as on 87. | 185 | 10770 | 10955 | 3009 | 3221 | 6230 | 7702 | 11347 | 19049 |
| arrears as on 86. | 262 | 9414 | 9676 | 2896 | 2415 | 5311 | 13408 | 10533 | 23941 |
| arrears as on 85. | 204 | 9738 | 9942 | 3182 | 2311 | 5493 | 9482 | 10726 | 20208 |

MUMBAI FIRE BRIGADE

Information the Head of Department of the Mumbai Fire Brigade for the year — 1987-88.

| Sr. No. | Designation | Name of the Officer | Qualifications | Period | | Remarks If any |
|---------|--------------------|---------------------|--|---------|---------|---|
| | | | | From | To | |
| 1. | Chief Fire Officer | Shri V. B. Nikam | 1) B. Sc. (Hons.) 2) Overseas Senior Command Course (U. K.) 3) A. M. N. F. S. C. (Hons.) Gold Medalist, from (Advance Diploma of National Fire Service College, Nagpur). 4) B. D. O. (Hons) from College of Military Engineering, Pune. | 1-4-87 | 30-9-87 | Shri V. B. Nikam, Chief Fire Officer, retired on 30-9-1987 after office hours due to superannuation. Senior most Dy. Chief Fire Officer, Shri V. V. Vaidya has taken over as the Chief Fire Officer from 1-10-1987. |
| 2. | Chief Fire Officer | Shri V. V. Vaidya | 1) Intermediate Science 2) D. O. Course National Fire Service College, Nagpur. | 1-10-87 | 31-3-88 | |

Chief Fire Officer,
Mumbai Fire Brigade.

SALIENT FEATURES :

| | |
|----------------|-------------------|
| Expenditure | : Rs. 7,38,02,450 |
| Income | : Rs. 3,65,25,000 |
| Fire Stations. | : 21. |

EMERGENCY CALL :

| | |
|------------------------|--------|
| Fires : | 3402 |
| House Collapse Calls | : 346 |
| Rescue Service Calls : | 514 |
| Other Service calls | : 1499 |
| False Alarms | : 98 |
| TOTAL : | 5859 |

AMBULANCE CALLS :

| | |
|-----------------------------|---------|
| Accidents. | : 1135 |
| Maternity. | : 143 |
| Free for Fire Brigade Staff | : NIL |
| Free for poor Cases | : NIL |
| Hire | : 755 |
| TOTAL | : 2033. |

FIRE PREVENTION WORK :

Premises inspected for rendering advices on fire protection and fire prevention measures.

The highlights of the administrative events for the year under report are as under :—

(1) Income & Expenditure :

The annual receipts by way of fire tax and other receipts aggregated to Rs. 3,65,25,000.

The total expenditure including Revenue Expenditure and Debt charges towards Capital Expenditure amounted to Rs. 7,38,02,450.

(2) Premises :

(a) There are 21 fire stations in Greater Bombay.

(b) Remodelled Memonwada Fire Station at S. V. P. Road, Memonwada Road, was formally inaugurated on 25-9-1987 at the hands of Hon'ble Mayor of Mumbai.

(c) Pile Foundation work of Bandra Fire Station and Fire Station at Back-bay Reclamation has been completed.

(3) Communications :

There were no major changes in the existing communications set-up.

(4) Appliances and Equipment :

Supply orders for the supply of the following appliances were placed during the year and were received.

- (i) Power Chain Saws and Chipper Chains — 10 Nos.
- (ii) V. H. F. Wireless Sets — 26 Sets.
- (iii) Radio Communication Test Set — 1 Set.

(5) Emergency Calls :

The Brigade responded and rendered services wherever necessary at a total of 5859 incidents, the break up of which is given below :—

| | |
|----------------------|--------|
| Fires | : 3402 |
| House Collapse Calls | : 346 |
| Rescue Service Calls | : 514 |
| Other Service calls | : 1499 |
| False Alarm calls | : 98 |

(6) Casualties :

The number of casualties in fires and other incidents is given below :—

| Type of Incident | Dead | Injured | Total |
|----------------------|------------|------------|-------------|
| Fires | 106 | 374 | 480 |
| House Collapse Calls | 44 | 157 | 201 |
| Rescue Service Calls | 126 | 140 | 266 |
| Other Service Calls | 220 | 285 | 505 |
| | <u>496</u> | <u>956</u> | <u>1452</u> |

Out of 106 deaths in fire, 53 were suspected suicide cases. Out of 126 deaths in Rescue Service, 113 were due to drowning.

(7) Casualties Among Brigade Personnel :

A total of 16 Brigade Personnel sustained injuries while rendering services at different emergencies.

(8) Fire Loss :

The property losses due to fire were estimated at Rs. 3,22,04,005. Total property involved in fires and saved by Brigade was estimated at Rs. 39,19,44,302.

(9) Water Supplies and Sources :

The approximate quantity of water used for extinguishing fire was 32,60,800 lts., out of which 29,34,000 lts. was drawn from Municipal mains and rest from sea, wells, ponds and private sources. The total number of hydrants in the City and Suburbs were 12,495.

The water sources available for fire fighting purposes are listed under Appendix — VI.

(10) Ambulance Services

The ambulance services, comprising of 12 ambulances, continued to attend hire calls, maternity calls, etc. in addition to accidents, fire and other emergencies. The details of calls responded to by the Ambulance service are given below :—

| | |
|------------------------|--------|
| Accident Calls | — 1135 |
| Hire Calls | — 755 |
| Maternity calls | — 143 |
| Free for Brigade staff | —NIL |
| Free for poor cases | —NIL |

TOTAL : 2033

In all, 1310 persons were removed in Ambulances and First Aid to the injured was rendered on 68 occasions. The total receipts during the year on account of Ambulance hire charges aggregated to Rs. 16,844/-.

(11) The details of the number of fire prevention cases received, their classification etc., are furnished below :—

| Year | Total Cases received | Total cases disposed off |
|---------|----------------------|--------------------------|
| 1986-87 | 8963 | 8426 |
| 1987-88 | 7567 | 7127 |

(11-A) Type of Fire Prevention cases received during the year 1987-88.

| Total cases received | Cases disposed off | Type of Cases | Nos. |
|----------------------|--------------------|---|------|
| 7567 | 7127 | 1) Reference from Licence, Factory and Health Department of the Corporation. | 4856 |
| | | 2) Places of public Entertainment & Bldg. N. O. C. Cases. | 920 |
| | | 3) Reference from the Commissioner of Police, Controller of Explosives, Controller of Drugs & other N.O.C. cases. | 406 |
| | | 4) Complaint cases. | 900 |
| | | 5) High rise Building N. O. C. Cases. | 485 |

(12) Deputation of Officers :

(A) Station Officer, Shri A. V. Sawant and Shri V. H. Naik were deputed to National Fire Service College, Nagpur, to attend Divisional Officers' Course.

(B) Station Officers, Shri M. R. Kadam and Shri R. S. Pawar were deputed to attend National Fire Service College, Nagpur, to attend "Station Officer and Instructor's Course". They are under training.

(13) Other Activities :

(a) Annual Fire Drill Competitions :

The Annual Fire Drill Competitions were held at Dadar Fire Station. All fire Stations participated in the Drill Competitions. Shri S. S. Tinaikar, Municipal Commissioner of Mumbai, was the Chief Guest at the function of Annual Fire Drill Competition and prizes to the winners were given at the hands of the Municipal Commissioner.

(1) Team of Byculla Fire Station led by Shri U. K. Tatkare, Station Officer, stood first in the Extension Ladder with Motor Pump Drill and was awarded Palamcoat Memorial Shield.

(2) Team of Memonwada Fire Station led by Shri A. N. Shinde, Station Officer, won first prize in Trailer Pump Drill and was awarded M. C. Challenge Cup.

(3) Team of Byculla Fire Station led by Station Officer U. K. Tatkare was selected Best Team and was awarded Shri V. G. Pawar Memorial Trophy.

(4) Driver Operator Shri Gajanan Gangaram Tikam of Chembur Fire Station was awarded Chief Officer's Rotating Trophy for "Best Individual Performance".

(5) Driver Operator Narayan Ramchandra Dukhande was awarded Cash Prize of Rs. 100/- for being adjudged the "Best Fireman" for the year 1987-88.

(b) Annual Sports :

The Annual sports tournaments in various games and Athletic events were conducted and staff from every fire station participated. The Annual Sports Day was held on 7th January, 1988 at the Topiwala National Medical College Ground, Haji Ali. Shri S. S. Tinaikar, Municipal Commissioner, was the Chief Guest. Prizes were given at the hands of Smt. Maya Tinaikar to the winners of various events. The sports events were successfully organised with the assistance of Shri Gole, Shri Patel besides the Brigade Officers and staff members.

(c) Observance of Prevention Week :

Fire prevention week from 6th to 13th April, 1988 followed by Fire Service Day *i.e.*, 14th April, 1988 were observed by the Brigade in close coordination with the other Fire Services in Greater Bombay, and with the active cooperation of All India Fire Equipment Manufacturing Association. Number of fire fighting demonstrations were arranged in different localities in Greater Bombay. Lectures on fire prevention for various groups of people were delivered; posters and pamphlets were distributed freely and slides were exhibited on T. V. For the first time, a calendar with fire prevention messages and visuals was published and distributed to the citizens free of cost. Discussion and talks were broadcasted on All India Radio and Doordarshan. All these activities were aimed at creating increased awareness about fire hazards and to promote the knowledge of Fire Prevention among the citizens.

(d) Republic Day and Maharashtra Day :

The Brigade participated in the ceremonial parades organised on Republic Day and Maharashtra Day alongwith Police, Home Guards, Civil Defence Department.

(14) Awards :**(1) Silver Medal for Extraordinary Bravery :**

Silver Medal for Extraordinary Bravery with a Cash Prize of Rs. 500/- and Recurring Reward of Rs. 100/- per month was awarded to the following four employees for displaying conspicuous gallantry and exemplary courage at their personal risk in rescuing trapped persons from the debris of a house collapse occurred at Ambika Silk Mills, Senapati Bapat Marg on 3rd September, 1986. The Medals and Cash Prize were actually presented by Shri S. S. Tinaikar, Municipal Commissioner, to the recipients on the occasion of Annual Fire Drill Competition.

- (i) Shri R. A. Chaudhary, Junior Engineer.
- (ii) Shri Rajendra Dhondu Bhosle, Fireman.
- (iii) Shri Ajit Dadu Shinde, Fireman.
- (iv) Shri Anandrao Nana Sawant, Fireman.

(2) Fire Service Medal for Meritorious Service :

Fire Service Medal for Meritorious Service for the year 1987-88 was awarded to Shri G. N. Sawant, Divisional Officer, by the President for the service rendered by him during his career of 19 years.

(15) Fire fighting training to Outside candidates :

The candidates undergoing training at Home Guards and Civil Defence Training Centre, Cross Maidan, were deputed for study of working of this department every months.

Fire fighting demonstrations were arranged during the year for the benefit of the candidates from the All India Institute of Local Self Government and also for school children from number of schools in Brihan Mumbai.

(16) Brigade Centenary Celebrations :

The centenary of the Brigade was celebrated during April 1987. The details of the celebrations were mentioned in the Administration Report for the year 1986-87.

(17) Welfare Activities :

(a) Scholarship to the children of the staff members were given from the interest amount on the "Grain Stores Fund" deposited in the Bank.

(b) 'Balwadi' (a Nursery School), was conducted at Welfare Centre at Fire Brigade Headquarters, Byculla, for the benefit of children of staff members.

(c) Sewing Classes are conducted at the Welfare Centre for the benefit of family members of the staff.

(d) Education tours staging of dramas/plays, and picnics were arranged for the children of staff members.

(18) Industrial Tribunal Award :

Award of the Industrial Tribunal under Reference No. I. T. 44 of 1981 was published in Part I—L, Gazette of Maharashtra dated 30-7-1988. Though the Award has rejected most of the demands of the staff members referred to the Industrial Tribunal, the following benefits were granted.

(i) Introduction of eight hours shift duty system in place of the existing 24 hours continuous duty system, as early as possible.

(ii) Additional Risk Allowance of Rs. 50/- per month till the eight hours shift duty system is implemented.

(iii) Crediting of denied Casual Leave and Festival and Bank Holidays to the Earned Leave account of the concerned employee.

(iv) Grant of day off after three days duty. If not granted due to departmental exigencies, the denied day offs should be credited to the Earned Leave account or Cash Allowance should be paid at the option of the concerned employee at the end of the year.

APPENDIX—I

Statement showing the details of appliances and equipments during the year 1987-88.

| Sr. No. | Type of Appliances | Quantity |
|---------|---|-------------|
| 1. | Motor Turn Table Ladders : | |
| | (a) 30 Mtrs. extension (T.T.L.1, T.T.L. 4 and D.L. 30). | 3 Nos. |
| | (b) 37 Mtrs. extension (T.T.L. 3 & DL 37). | 3 " |
| | (c) 50 Mtrs. extension (DL 50) | 1 " |
| 2. | Hydraulic Platforms : | |
| | (a) 30 mtrs. Height | 3 " |
| | (b) 16 mtrs. Height | 4 " |
| 3 | Motor Pumps : | |
| | (a) With wheeled escape or Angus 464 Ladders | 27 " |
| | (b) With extension Ladders | 35 " |
| 4 | Emergency Rescue Tenders : | |
| | (a) Motor Emergency Tenders | 1 No. |
| | (b) Rescue Tender (Model RW1) | 2 Nos. |
| | (c) Rescue Tender (Model RW2) | 1 No. |
| 5 | Breathing Apparatus Van | 1 " |
| 6 | Control Post Van | 1 " |
| 7 | Water Tanker : | |
| | (a) Fixed Chassis type (Rigid). | 4 Nos. |
| | (b) Tractor with trailer type | 7 " |
| | (c) Tankers on trailer only (spare) | 5 " |
| 8 | Pumps : | |
| | (a) Trailer Pumps (400 g.p.m.) | 18 Nos. |
| | (b) Portable Light pumps (120 g.p.m.) | 10 " |
| | (c) Portable High Pressure pumps (400 g.p.m.) | 14 " |
| | (d) High Pressure pump on Trailer (Kirloskar make) | 2 " |
| | (e) Portable Fire pumps (1200 lts./minute capacity) | 20 " |
| 9 | Motor Ambulances : | 12 " |
| 10 | Breathing equipments : | |
| | (a) Compressed Air type Breathing Apparatus (open circuit) | 210 Sets |
| | (b) Compressed Air Type Breathing Apparatus (Quick). | 20 " |
| | (c) Oxygen type Breathing Apparatus (closed circuit). | 25 " |
| | (d) Gas Masks (Filter type). | 42 Nos |
| | (e) Breathing Aire Compressor | 1 Unit |
| | (f) Test Bench for compressed Air Breathing Apparatus. | 1 Unit |
| 11 | Air Compressor (Industrial Type on Trailer for operating pneumatic tools | 1 " |
| 12 | Power Cutters (Self-propelled) | 5 Nos. |
| 13 | a) Rescue Saw (Self-propelled) | 3 Nos. |
| | b) Reacue Saw(Electrical Operated). | 20 " |
| 14 | Portable Electric Generators. | 2 " |
| 15 | Automatic Fire Escape (Day's make). | 5 Nos. |
| 16 | Pneumatic Lifting Bags (different sizes). | 11 Sets |
| 17 | High Expansion Foam Generators | 4 Nos. |
| 18 | Protective Clothing Suits | 100 Nos. |
| 19 | Delivery House (RRL Type) in stock : | |
| | (a) 2¾" dia.(70 mm) | 2,845 Mtrs. |
| | (b) 1½" dia. | 8985 " |
| | (c) Delivery Hose (Nylon type) in stock 2¾" dia. | 600 " |
| 20 | Other Vehicles : | |
| | (a) Jeeps | 19 Nos. |
| | (b) Mini Buses | 3 " |
| | (c) Cars | 4 " |
| | (d) Station Wagon | 1 No. |
| | (e) Staff Van | 1 " |
| | (f) Motor Trucks | 2 Nos. |
| | (g) Three Wheeler Tempo | 1 No. |
| | (h) High Pressure Pump vans (Tempo). | 4 Nos. |

APPENDIX — II
MUMBAI FIRE BRIGADE

Brief details of serious fires during the year 1977—88.

| Sr. No. | Date & Time | Place | Business | Extinguished by | Description of damage | Estimated loss in Rs. |
|---------|------------------------|---|--|--|--|---------------------------------------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. |
| 1. | 3-4-1987 2021 hrs. | D'suza Chawl, Wakola Majid Rd., Wakala Village, Santacruz East, Mumbai—55. | Grain shop, flour mill etc. | Firemen with the help of five engine lines of five motor pumps. | Large stock of rice, wheat, sugar, cosmetic articles, sweets, wooden chair, wooden tables, clothes, haircutting instruments, Television sets, sewing machine etc. severely daged by fire, heat, smoke & water. | 2,09,000.00 |
| 2. | 8-4-1987 0211 hrs. | 82-86, Haji Manzil, Abdul Rehman Street, Bombay—3. | Office & hardware agents. | Firemen with nine lines of 17 motor pumps. | Furniture, office records, various files, wooden loft, air-conditioner, electrical fixtures, cupboards Engineering plans & drawing telephone, etc. severely damaged by fire, heat, smoke & water. | 3,00,000.00 |
| 3. | 12-4-1987 0344 hrs. | Bhauasaheb Shinde (Suleman Kasem), Patra chawl, Zopadpatti Rahi-wasi Sangh Plot No. 168, Fule Road, Naigaon, Bombay—14. | | Firemen with seven engine lines & cutting off the current. | The A. C. sheet roof, iron sheets, wall structure, electric installation, large stock of wheat, sugar, rice, palm oil in containers, tea powder, stock of provision store, grossery, stock of channa & bidi shop etc. severely damaged by fire, heat, smoke & water. | above Rs. 1,00,000.00 |
| 4. | 17-4-1987 1927 hrs. | Narayan Nagar, Nari Seva Sadan Road, Ghatkoper (West) Bombay—86. | Carpenters & bread bakery. | Firemen with ten lines of eleven motor pump & one Civil Defence of water jets. | Ground floored, C. I. sheet walled, timber framed A. C. Sheet roofed hut, instruments of carpenter, household articles, food grain, steel cupboards, steel & wooden furniture, office records, slotting machine etc. severely damaged by fire, heat, smoke & water. | 3,72,000.00 |
| 5. | 16-5-1987 0344 hrs. | Bhabrekar Nagar, Near Govt. Industrial Estate, Charkop Kandivli (West), Mumbai—87. | Private. | Firemen by 9 lines of 12 motor pumps. | Household articles, Bamboo frame structure, gunny cloths, etc. severely damaged by fire, heat, smoke & water. | 4,21,160.00 |
| 6. | 22-5-1987 2218 hrs. | Controller of telex stores, Fosberry Rc. Sewree Bombay—14. | Stores. | Firemen with three big lines of four motor pumps. | A large quantity of wooden brass containing dry cells, with dry grass packing, other wooden materials, packing material, engine alternators, power plants, battery eliminators, & steel bar etc. severely damaged by fire, heat, smoke & water. | 5,00,500.00 |
| 7. | 5-6-1987 0347 hrs. | Todi Industrial Estate, N. M. Joshi Marg, Byculla, Bombay. | Mfg. of Readymade garments. | Firemen with two lines of five motor pumps. | A large stock of finished and unfinished garments, fabric, button hole & cutting machine, ceiling fan, pedestal fan, wooden racks, wooden cutting table, wooden furniture, electric wiring etc. severely damaged by fire, heat, smoke and water. | 2,20,000.00 |
| 8. | 17-6-1987 0202 hrs. | M/s. P. D. Velvet & fur industries, Modi Estate, Near, pipe line, L. B. Shastri, Marg, Ghatkoper (W), Mumbai—86. | | Firemen with three motor pumps. | Portion of wall & flooring glasses of window, paint work of wall & plaster portion of ceiling some stock of colour, clothes, stenter machine, screen printing tooden table, electrical fitting, velvets & yarn etc. severely damaged by fire, heat, smoke & water. | 5,27,000.00 |
| | 20-6-87 1200 hrs. | M/s. Canara Toys Egenoy, 1st & ground floor, 318/320 Abdul Rehman Street, Bombay—3. | Keeping plastic & rubber goods (Toys). | Firemen with three small lines of four motor pumps. | Sports goods, and its packing materials, furniture, electric fixtures & fitting on 1st floor in. a close shop etc. severely damaged by fire, heat, smoke & water. | 2,60,000.00 |
| 10. | 20-6-87 1247 hrs. | M/s. R. T. Mehta & Co. Mehta Compound, Saki Vihar Road, Sakinaka, Kurla, Bombay—72. | Fg enamalled paint. | Firemen with 3 lines of 3 motor pumps. | Some stock of dehydrated castor oil, light deisel oil, motors, exhaust fans, vessels, chimney electric wire, doors, windows, paint work of the walls, & roof etc. severely damaged by fire, heat smoke & water. | To be assessed by insurance surveyor. |

DR. BHAU DAJI LAD MUSEUM

The Museum founded in 1855 and known as the Victoria and Albert Museum was handed over to the Corporation by the Bombay Government in 1885. On 1st November, 1975 it was renamed as the Dr. Bhau Daji Lad Museum.

The exhibits in the Museum are classified into different sections, such as Agriculture & Village-Life, Arms, Cottage-Industries, Ethnology, Fine-Arts, Numismatics, Geology and Old Bombay History. The Reference Library of the Museum contains books on Art, Archeology, History, Old Bombay etc. and most importantly eighteen volumes of specimens of old Indian Textiles that are available for reference on request.

Routine maintenance work was carried out through the year, inclusive of the special treatment against the menace of termites. Effort was also made to enrich the reference library through the purchase of new books as well as by reorganising the cataloguing so as to be of increased assistance to readers. In addition to the routine maintenance work, two major maintenance projects are scheduled to be taken up in connection with repairs to the Museum building.

- a) Repair of the dilapidated windows of the Museum
- b) Repair and replacement of the supports to the cornices on the Museum building

The Municipal Commissioner has proposed to reorganise the existing Museum set-up with a view of finally converting the Museum into a "City Museum" depicting and describing the history of Bombay city as well as reorganising some of the existing display.

In this connection, the administration of the Dr. Bhau Daji Lad Museum was handed over to the Prince of Wales Museum with effect from 1st January 1988, with Shri S. V. Gorakshkar, Director Prince of Wales Museum, as the Honorary Director, and Shri A. P. Fondekar, Sr Curatorial Assistant, Prince of Wales Museum as the Curator on Deputation. In order to implement the above project additional staff consisting of an Assistant Curator, Research Assistant, Photographer, as well as some staff in the Technical Labour category will be appointed.

Curator,
Dr. Bhau Daji Lad Museum

Hon. Director
Dr. Bhau Daji Lad Museum.

THE DETAILS REGARDING THE NUMBER OF VISITORS, SALE PROCEEDS OF ADMISSION—TICKETS, TOTAL EXPENDITURE ETC.

| PARTICULARS. | 1986-87. | 1987-88 |
|---|-------------|----------------|
| The Number of days Museum was kept open. | 144 * | 302 * |
| Total Number of visitors | 3,47,063 * | 7,24,003 * |
| Sale proceeds of Admission Tickets. | 1,13,404.00 | 2,24,060.00 |
| Sale proceeds of Museum Guides and Minor Receipts. | 796.50 | 1,070.00 |
| Fees for taking photographs | 1,058.00 | 700.00 |
| Sale proceeds of Scrap, Waste papers etc. | — | — |
| Receipt of grant from the Central Government. | 35,407.00** | — |
| Total expenditure (excluding the amount spend from the grant from the Central Government. | 3,18,210.00 | 3,51,800.00*** |

NOTES :—

* Dr. Bhau Daji Lad Museum was kept closed for the painting purpose from 10-2-86 to 15 10 86.

** The grant of Rs. 31,057/- and Rs. 4,350/- (total Rs. 35,407/-) sanctioned by the Government of India received for the work of Water Proofing the Terrace of the Museum with Bitumen felt and replacing Iron Angle Supports of the cornice of the Museum Building respectively.

*** Expenditure increased due to appointment of additional non-schedule staff.

(A. P. FONDEKAR)
Curator,
Dr. Bhau Daji Lad Museum.

| Sr. No. | Date & Time | Place | Business | Extinguished by | Description of damage | Estimated loss in Rs. |
|---------|-------------------------|--|----------------------------|---|--|---------------------------------------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. |
| 22. | 11-10-1987 0230 hrs. | Marie Aayie Zopadpatti, Opp. No. 2 Pumping Stn., Near Nehru Centre, Dr. Annie Besant Road, Worli, Mumbai-18. | Private. | Firemen with 8 water lines of 10 motor pumps. | The fire involved household articles and about 450 temporary structures on an area of 2008' X 200'. | 1,80,000/- |
| 23. | 12-10-1987 0337 hrs. | Century textiles & Industrial Ltd., Pandurang Budker Marg, Worli, Mumbai-25. | Textile Mills. | Firemen with 5 lines of the mill's hydrants. | Blender operner machine, No. 2, 3, 4, loose cotton in large quantity and about 20 bales of press cotton severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |
| 24. | 18-10-1987 1904 hrs. | Sonal Garments, Unit No. 40 Navnidhi Industrial Estate, Acharya Donde Marg, Sewree, Mumbai. | Garments Mfg. | Firemen by cutting off current current & 2 and 1½ line. | Large stock of finished & unfinished readymade garments, packing material, polythene bags, few meters of electric wiring, electric fixture, wooden furniture, severely damaged by fire, heat, smoke & water. Wooden beams, steel angles of loft, doors, windows, shutters, severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |
| 25. | 22-10-1987 0141 hrs. | Khatav Chawl, 902, Bapurao Jagtap Marg, Byculla. | Private. | Firemen with 4 small engine lines of 4 motor pumps. | Large stock of readymade garments, cloth rolls, buttons, collors, lining threads, and some other garments material, stitching machine, overlock machine, fusing machine, office furnitures, office cabin, electric fitting & fixture, wooden loft, show-cases, wooden tables, table fans, telephone sets, office records, & files severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |
| 26. | 24-10-1987 0135 hrs. | Jaibhim Nagar, Sanjay Nagar Zopadpatti, Boraspada path, Behind, Poisar B. E. S. T. Depot., Poisar, Kandivli (W) Mumbai-87. | Private. | Firemen with 4 engine lines of 9 motor pumps. | Household articles, personnel belonging, domestic items, including furniture severely damaged by fire, heat, smoke & water. Bamboo framed, partly G. O. Sheet, partly Hesion cloth, partly P.V. C. sheet & bamboo matting, walls & roof & roof severely damaged by fire, heat, smoke & water. | 1,00,200/- |
| 27. | 28-10-1987 1718 hrs. | Shah & Nahar Industrial Estate, Sun Mill Compound, Auto Alarm Industries, Gala No. 124, 1st floor, Lower Parel, Mumbai. | Mfg. of Auto Alarm System. | Firemen with 3 lines of 4 motor pumps. | Large quantity of electronic raw material electronic fixture, compoutor machines, cas-sets, wooden loft, dressing machine, office record & furniture, 1st floor of 5 floored Industrial Estate, Shutter walls etc. severely damaged by fire, heat, smoke & water. | 8,10,000/- |
| 28. | 30-10-1987 1144 hrs. | Babasaheb Ambedkar, Dalit Nagar, Dhobi Ghat, Sadhu T. L. Waswani Marg, Cuffe Parade, Boambay-5. | Private. | Firemen with seven lines of 11 pumps. | A large number of bamboo, Tarpaulin sheets, boxes, wooden furniture, utensils, household articles, and clothe, were severely damaged by fire, heat, smoke & water. | 4,00,000/- |
| 29. | 3-11-1987 2107 hrs. | 381, Italian Bldg., S. G. Marg, Ghas Galli, Agripada, Mumbai-11. | — | Firemen with 7 lines of 9 motor pumps. | Different types of drama sets, wooden furniture, state decorating items, lights & loudspeakers, cutting machines, ceiling fans, electric wiring, carding machines, hardwaste braker machine, milling machine, etc. severely damaged by fire, heat, smoke & water. | 10,50,000/- |
| 30. | 12-11-1987 1254 hrs. | Sunil Engineering Works, Prem Industrial Estate, Subhash Road, Jogeshwari East. | — | Firemen with 4 lines of 4 motor pumps. | Steel shutter, wooden loft, machinery, office furniture, office cabin, electric switch board, installation, stock of paints, steel cupboard, raw material, A. C. machine, etc. severely damaged by fire, heat, smoke and water. | To be assessed by insurance surveyor. |
| 31. | 14-11-1987 1944 hrs. | Sunjay Nagar Zopadpatti Jivraj Boricha Marg, Near Sant Gadge Maharaj Chowk, Byculla, Bombay. | Private. | Firemen with 10 lines of 18 fire engines. | Household articles, cloth, timber framed structure, complete wooden structure, etc. severely damaged by fire, heat, smoke and water. | To be assessed by insurance surveyor. |
| 32. | 1-12-1987 1416 hrs. | C-3, 1st floor, Bonenza Industrial Estate, Chakrawarty Ashok Road, Kandivli (E), Mumbai. | Mfg. Paper products. | — | Large quantity of paper reels, paper product, such as carbon papers reels, carbon ink, & wax machinery, electric wiring & installation, paint work, severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |
| 33. | 31-12-1987 0050 hrs. | Bhinnagar Zopadpatti, Matunga Labour Camp, Behind B.M.C. Bld. No. D, Dharavi, Mumbai-17. | — | Firemen with 2 engine lines of 6 pumps. Water tanker & appliance tanks. | Ground floored C. I. sheet wall, household articles, complete structure etc. severely damaged by fire, heat, smoke & water. | 2,33,500/- |
| 34. | 8-12-1987 1715 hrs. | Rajiv Gandhi Nagar, Zopadpatti, Near Dindoshi Wadi, Goregaon Mulund Link Road, Goregaon (E), Mumbai-83. | Pvt. & Service | Firemen with 5 engine lines of 7 motor pumps. | Bamboos, G. I. Sheets, Household articles, Grains, garments, hesian cloth, G. I. sheets, etc. severely damaged by fire, heat, smoke and water. | 2,02,900/- |
| 35. | 12-12-1987 0815 hrs. | Hindustan Petroleum Corpn. Ltd., Corridor Road, Ramkrishna Chemburker Marg, Mumbai-74. | Fuel Refinery | Brigade Personnel and other fire services with 32 pumps. | Large stock of reduced crude oil, in bund wall, M. S. tank, Electric motors, electric pumps, stan pump etc. severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |

| Sr. No. | Date & Time | Place | Business | Extinguished by | Description of damage | Estimated loss in Rs. |
|---------|-------------------------|--|------------------------------|--|---|---------------------------------------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. |
| 36. | 19-12-1987 1749 hrs. | B.P.T. Goods yards, Nathani Steel Co., Vidyavihar, Bombay-88. | Ware housing. | Firemen with 2 motor pump & one motor pump of B. P. T. Fire service. | Large quantity of imported waste papers crates, aluminium plate, machinery spare parts, drums of unknown chemicals, etc. severely damaged by fire, heat, smoke & water. | 5,00,000/- |
| 37. | 21-12-1987 0331 hrs. | Emersso Exports Pvt. Ltd., Gala No. 404, & 405 Bhussa Industrial Estate, Thokeray Jivraj Road, Sewree, Bombay-15. | Readymade garments. | Firemen with cutting off current and with 3 lines of 4 motor pumps. | Large stock of T-Shirts, cotton fabrics, hosiery fabric, different type of sewing, overlock & other machines, etc. severely damaged by fire, heat, smoke & water. | 2,80,000/- |
| 38. | 22-12-1987 0629 hrs. | Neigaon Spring Mills, G. D. Ambekar Marg. | Textile. | Firemen with 5 lines of mill hydrant & 11 soda acid extinguishers. | Large stock of cotton machinery, electric wiring severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |
| 39. | 23-12-1987 0808 hrs. | Shivdas Chapai Road, Munt. Chawl, Shop No. 2 & 6. | — | 3 lines of 4 motor pumps by firemen. | Large quantity of synthetic textile, woolen blankets, chaddar, small stock of saris, pant pieces, lungies & other cotton cloths, electric wiring etc. severely damaged by fire, heat, smoke & water., Wooden loft, timber framed roof, false ceiling etc. severely damaged by fire, heat, smoke & water. | 1,50,000/- |
| 40. | 25-12-1987 0105 hrs. | Grand Paradi Appartment, B bldg., Dadysheth Hill, August Kranti Marg, Mumbai-36. | — | Firemen with 4 lines of 6 high pressure pumps & by cutting off Elect. current. | The Fire involved household articles, furniture, decorative material, electric installation, electric appliances, L. P. Cylinders, & appliances, doors, windows, plaster work, paint work, etc. severely damaged by fire, heat, smoke & water. Service lifts, passengers' lift, electric installation, telephone cables, were damaged by water. | 12,30,000/- |
| 41. | 5-1-1988 1629 hrs. | Husenabad Compound, 34-9, Chapsi Bhimji Marg, Mazgaon, Mumbai. | — | Firemen with 8 line of 8 motor pumps. | The fire involved tube light fixtures, chokes, spray painting boots, machinery, some quantity of paint and thinner, electric installation, office furniture, air-condition machine, office records, doors, windows, C.I. sheet structure with mazzanine floors, severely damaged by fire, heat, smoke & water. | 4,39,600/- |
| 42. | 9-1-1988 2353 hrs. | Gala No. A-125, Ghatkopar Industrial Estate, Amritnagar, L. B. S. Marg, Ghatkopar (W), Valves. Mumbai-86. | Mfg. of Industrial | Firemen with 4 motor pumps. | Large stock of valves, finished & semifinished goods, raw materials, office & accounts records, books, stationary, drawings, technical specifications, typewriter, steel tables, steel cupboards, steel chairs, telephone, measuring instruments, wooden cupboard, furniture, leath machine, portable grinders, surface grinder, tapping machine, papers, etc. stored on loft & in gala severely damaged by fire, heat, smoke & water. Wooden loft, portion of A. C. sheet roof, & wall, wooden partition, electric wiring & installation, severely damaged by fire, heat, smoke & water. | 1,60,000/- |
| 43. | 8-1-1988 0335 hrs. | Century Textiles & Industries, Pandurang Budhakar Marg, Worli, Mumbai-25. | Textile mills. | Firemen with 3 lines of appliance tank & three lines of mill Hydrant. | Old blender opener machine, new blender machine, large quantity of cotton severely damaged by fire, heat, smoke & water and large quantity of loose cotton severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |
| 44. | 9-1-1988 0305 hrs. | The Bombay Storage Corpn. and Santosh Agency Near India United Mill No. 4, Tukaram Bhisaji Kadam Marg, Kalachawki Mumbai-33. | Ware housing. | Firemen with 7 lines (8 bigs & 1 small) of 10 motor pumps. | The fire involved large stock of wooden boxes, rubber cupboard, papers, etc. on an area of above 120' X 100' doors, windows, North-light roofing of the structure etc. severely damaged by fire, smoke, heat & water. | 2,43,700/- |
| 45. | 17-1-1988 2206 hrs. | M/s. U. M. C. Auto Industries Pvt. Ltd., 50, Chakala Road, Andheri (E), Mumbai-93. | Mfg. of Luminated springs. | Firemen with 2 jet from 2 pumps and by cutting off current. | Some quantity of diesel and quenching oil, harding furnace, tempering furnace, heating pumping unit, oil supply pipe, cambaring machine, etc. severely damaged by fire, heat, smoke & water. Few metres of electric wire, some portion of roof, painting work of the wall, etc. severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |
| 46. | 4-2-1988 2129 hrs. | Rahemtulla Compound, Byculla, Station Road, Byculla, Bombay. | Printing & Dyeing and other. | Firemen with 11 lines of 13 motor pumps. | The fire involved looms and allied machinery, sewing machines, electric wiring, furniture, printing machineries, doors, windows, and C.I. sheet structure was gutted in fire. | 4,49,000/- |

| Sr. No. | Date & Time | Place | Business | Extinguished by | Description of damage | Estimated loss in Rs. |
|---------|------------------------|--|--|---|--|---------------------------------------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. |
| 47. | 11-2-1988 0213 hrs. | Gala No. 125, M/s. Cosmos International, Bhambaji Shamji Industrial Estate, off, Mahakali Caves Road, Andheri (E). | Mfg. & repairing of electronic appliances. | Firemen with 2 jets from 3 pumps & by cutting off current. | Stock of electric parts, raw materials, semi finished & finished goods, electronic testing equipments, drilling grinder machine, office furnitures, records, etc. severely damaged by fire, heat, smoke & water. Electric installation, portion of wall, wooden loft, plaster work, window frames etc. severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |
| 48. | 17-2-1988 0626 hrs. | Bandra Searock Shareton Hotel, Lamda-End, Bandra (West), Mumbai—50. | Hotel. | Security staff of the Hotel with 1 hydrant line, and cutting off current. | Electric wirings, and fitting, cables, installation plaster of ceiling, paint work and plaster of the ceiling and walls, scorched due to fire, heat smoke and work, wooden framed work of false ceiling burnt due to fire, heat, smoke & water. Carpets of conference hall, carpets of lobby, flooring furnitures in lobby, electric fittings, lamp shades in conference hall damaged due to water. | To be assessed by insurance surveyor. |
| 49. | 28-2-1988 0355 hrs. | 5/17, Bhandup Street, Kurla Street, Nandlal Jani Marg, Mumbai. | Ware housing & eating house. | Firemen with 10 engine lines from 12 pumps. | Large stock of gunny bags, tyres, small work-shops, grains, etc. were involved in the fire in ground floored G. I. sheet walled & G. I. sheets roofed structure in an area of 150' x 80'. | 1,53,000/— |
| 50. | 12-3-1988 1604 hrs. | The vegetable Vitamin Food Co. Pvt. Ltd. Plot No. 109, Road No. 29, Scheme No. 6, Sion. | Mfg. vegetable oil. | Firemen by 10 lines of 8 motor pumps. | Large quantity of fatty acid, machinery, vessels, Glycerine processing vessels, steam pipe lines, acid and glycorine supply pipes, condensers electric installation, flooring wall & the roof of the structure. | To be assessed by insurance surveyor. |
| 51. | 13-3-1988 0103 hrs. | Apana Bazar Bldg., Maharashtra Seva Sangh, Jawaharlal Nehru Road, Mulund (W), Mumbai—80. | Peoples homage. | Firemen with 4 lines (small) of 4 motor pumps. | Wooden furniture, materials of drama, portable fans, electric motors, curtains, glass wool, etc. severely damaged by fire, heat, smoke & water. Electric wiring, equipment, doors, windows, false ceiling, paint work of the wall, etc. severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |
| 52. | 19-3-1988 0018 hrs. | Juhu Tara Road, 5 Juhu Tara Road, 45 Marine Bldg. Jahangir's depot. Santacruz (W), Juhu, Mumbai—49. | Furnishers and Interior Designers. | Firemen with 2 small engine lines of 4 motor pumps. | Electric wiring & fittings, Window frames, paint work & plaster works, of walls, false ceiling, wooden, office, show window glasses & cabin glasses, door glasses (brown), shutters etc. severely damaged by fire, heat, smoke & water. Numbers of various types of chairs, dressing tables, with brown glasses, side tables centre tables, writing tables, executive tables cupboard, T. V. traly, Rubber mattress, Sofa sets, carpets, small stock of tube lights, refrigerator typewriter, air-condition machine, sign board, etc. severely damaged by fire, heat, smoke & water. | To be assessed by insurance surveyor. |

APPENDIX - III

Brief details of serious house collapses during the year 1987-88.

| Sr. No. | Date & Time | Place | Death | Injury | Description |
|---------|------------------------------------|---|-------|--------|--|
| 1. | 2. | 3. | 4. | 5. | 6. |
| 1. | 3-4-87 | Hasin Manzil Chawl, 355, Maulana Azad Road, Mumbai-3. | — | 5 | On arrival at the scene of the incident, it was noticed that, flooring of room No. 4, of 1st floor of a ground and two upper floors structure collapsed, injuring 5 person. |
| 2. | 12-5-87 1203 hrs. | Chachad Niwas, Taty Gharpure Path, Girgaon, Mumbai-4. | — | 3 | On arrival at the scene of the incident, it was brought to notice by members of public that, a wing portion of Chachad Niwas-A under denotition, while demolishing 3 labourers on site received minor injuries and some portion of wall suddenly fell down. |
| 3. | 18-5-87 1100 hrs. | 49/51, Parulekar Marg, Parel Village, Mumbai. | — | 9 | On arrival at the scene of the incident, it was noticed that, portion of load bearing wall, entire flooring and tiled roof of ground and upper floor was collapsed on the ground thereby number of people were trapped under the fallen debris and injured. |
| 4. | 13-6-87 0432 hrs. | 51 Daruwall Compound, Tank Bunder Road, Mazgaon, Mumbai - 10. | 1 | 1 | On arrival at the scene of the incident it was learnt that, a stoned compound wall of area above 15' x 8' had collapsed on a ground floored timber framed G. I. Sheet walled and roofed structure thereby 2 persons were trapped below the debris of which one was rescued by the members of public before arrival of the brigade. |
| 5. | 13-6-87 0135 hrs. | Anjana Estate (Jain Estate) Chawl No. 10, Bhandup Village Road, Bhandup (W), Mumbai-72. | — | 6 | On arrival at the scene of the incident it was noticed that, the North side portion of timber framed, asbestos sheets and tiles roof of Room No. 10 had collapsed of a ground floored, brick walled, timber framed, asbestos sheets roof chawl, with result 6 persons are injured. |
| 6. | 15-6-87 0641 hrs. | Panchsheel Chawl, No. 3, room No. 9, Sundar Baug Lane, Indira Nagar, Kurla (W) Mumbai- 70. | 2 | 1 | On arrival at the scene of the incident it was noticed that, a large portion of hillock had fallen on the residential chawl at the foot of the hill resulted in tapping 3 person under the debris. He immediately engaged his crew member in rescuing the trapped persons. |
| 7. | 28-6-87 1430 hrs. | Pewli Chawl, New Prabhadevi Road, Mumbai-25. | — | 3 | On arrival at the scene of the incident it was noticed that, the flooring of room No. 36, on 1st floor had collapsed on the ground floor utensils/clothes washing place thereby injuring 3 girls who were washing the utensils. |
| 8. | 7-7-87 0132 hrs. | Guru Nanak Nagar, Behind Shah Darga Road, Behind M/S Mukund Steel Co., Ghatkopar (W) Mumbai-86. | 1 | 6 | On arrival at the scene of the incident it was noticed that, a large portion of garbage and loose earth which was heaped on the hill side was slid and fallen over the adjoining residential room in the chawl thereby the room was broken and along with garbage and loose earth fallen on the ground. Total seven persons were trapped under the garbage debris. |
| 9. | 7-7-87 0447 hrs. | Bhandup Complex, Darga Road, Khindipada, Bhandup (W), Mumbai. | — | 4 | On arrival at the scene of the incident it was noticed that, Easter side brick walled of a vacant but on the hill collapsed and fallen on the roof of a residential hut injuring in all 4 person. |
| 10. | 24-7-87 1729 hrs. | 2nd Popat Wadi, Bldg. No. 13, Runkta House, Opp. Cotton Exchange, Bhuleshwar, Mumbai | — | 3 | On arrival at the scene of the incident it was noticed that, the staircaser of the 1st, 2nd was collapsed as a result tenant were stranded and three person were sustained injuries. |
| 11. | 10-8-87 0038 hrs. | Nanubhai Chawl, Old Sewree, Wadala Cross Road, Behind Wadala, Market, Wadala, Mumbai. | — | 3 | On reaching the scene of incident it was noticed that, a ground floored structure of partly, brick walled and M. S. Sheet and the roofing bed caved is and a girls legs had trapped in the debris, as per reported 2 boys were rescued from debris before the arrival of the brigade. |
| 12. | 20-8-87 2056 hrs. | Boudhwadi, Rathodi Gavthan, Chunital Girdharlal (Marve) Road, Malada (West), Mumbai-95. | — | 5 | A ground floored structure compressing of wooden bamboo supporting poles, thatched participated walled and tiled roofed of an area about 7 x 7 mtrs. had totally collapsed. Resulting injuries to five occupants. |
| 13. | 24-10-87 1645 hrs. 1545 hrs. | Jam Bldg. No. 3, Dr. Babasaheb Anbedkar Marg, D Anbedkar Marg, Lalbaugh, Mumbai-12. | — | 2 | On arrival it was noticed that, plastering of the ceiling of a room No. 54 on 3rd floor had collapsed in the said living room, 3 persons reported injured. Also noticed that, a plastering of almost all ceilings of the bldg. is in dealepdated condition. |
| 14. | 24-8-87 0402 hrs. | Kidam Chawl, Jamil Nagar, Water Tank Road, Bhandup (W), Mumbai-78. | — | 4 | On arrival at the scene of the incident, it was noticed that, a brick wall of a Room of a chawl on a hill had collapsed on the another room of a same chawl and two women and two children were injured. |
| 15. | 29-8-87 0850 hrs. | Jalaram Buvan, Plot No. 5683, Mahadeobhai Desai (Kasturba Cross Road), Borivli (East), Mumbai - 66. | — | 2 | The balcony of the 2nd floor room No. A/12 had fallen and also damaging the balcony of room No. A/8 of 1st floor of ground and three upper floored structure. Resulting injuries to a man and a lady who were removed to Private Hospital, by members of public no private vehicle before arrival of brigade. |
| 16. | 13-10-87 1401 hrs. | S. G. Barve Marg, Muni. Bldg., Sindhi Society, Chembur Mumbai-71. | — | 3 | On arrival of the scene of the incident it was reported that, members of the public the portion of the ceiling, from 1st floor, the living room of a two floored brick walled R. C. C. bldg. had collapsed and thereby causing injury to three persons. |

| 1. | 2. | 3. | 4. | 5. | 6. |
|-----|-----------------------|---|----|----|---|
| 17. | 7-11-87 1833 hrs. | 205, Suleman Bldg. S. G. Barve Marg, Opp. Kurla 'L' Ward Office, Near Kurla Nagrik Co-op. Bank, Kurla (W). | 5 | 2 | On arrival at the scene of the incident it was noticed that, a flooring portion about 12 x 10 feet of room No. 21, on 2nd floor and room No. 11 of 1st floor of under repairing 3 floored timber framed tiled roofed structure residential bldg. had collapsed in the floor. Total 7 persons were trapped under the debris. |
| 18. | 16-11-87 0039 hrs. | 250-A, Baladiwalla Bldg., Abdul Rehman Street, Bombay-3 | 4 | 14 | On arrival at the scene of the incident it was seen that, rear side portion of ground plus four upper floors had gave way trapping people under debris and some stranded on the floors also seen that, some part of the bldg. had fallen on the adjoining bldg. No. 264, Janjiker Street, damgaing balcony of the said bldg. was under repairs. |
| 19. | 17-11-87 2146 hrs. | 145, Bapu Khote Street, Kiran Palace, Lodge, Pydhuni Mumbai. | — | 10 | On arrival at the scene of the incident it was noticed that, a flooring portion on area about 8'x20' of 2nd floor had collapsed, down on 1st floor, as a result 10 persons sustained minor injuries. It was ground plus 2 upper floored structure. Used upper floor as lodging and ground floor as shop. |
| 20. | 17-11-87 0256 hrs. | 51, Parvati House, Mahatma Gandhi, Mulund (W), Mumbai-80 | — | 5 | On arrival at the scene of the incident it was noticed and reported that, the half of the portion from South side of a two floored bldg. collapsed as a result 5 persons were trapped under the debris and they were injured. |
| 21. | 4-12-87 1466 hrs. | 37, 22 K.V. Electric Sub- station, Baledhbai Karamaji Barodawala Marg, Mumbai-36. | 2 | 3 | On arrival at the scene of the incident it was noticed that, a large portion of centre R. C. C. slab of the new construction with scaffolding thereby 5 persons were trapped under the debris of the slab. |
| 22. | 12-12-87 0947 hrs. | Swami Muktanand Nagar Hutment, Near Postal Colony Eastern Express Highway Road, Chembur. | — | 1 | A ground floored timber framed, tiled roofed structure had covered in a fallen over the adjoining hutment, thereby causing injury who were inside the hut (3 persons). |
| 23. | 21-12-87 1619 hrs. | Walchand Hirachand Marg, Malhotra House, Opp. G. P. O. | — | 2 | Entire metal water drainage pipe with cement coating erected along the outer wall (west side) of the 7 floored bldg. and cement plaster portion gave wa. Causing injuries to two Pedestrians and damging a pvt. motor stationary car bearing No. MRJ 3093. |
| 24. | 30-12-87 0546 hrs. | 287, Samuel Street OR 16, Isaji Street, Mumbai-3. | 15 | 6 | On arrival at the scene of the incident it was noticed that, entire portion of the ground and 4 floored brick walled, timber framed with tiled roof structure, area about 15 mtrs. x 10 mts. has given away. With the result all occupants of the bldgs. were reported trapped under the debris. |
| 25. | 1-2-88 1841 hrs. | Kosambai Narayan House, House No. 41, Kagnathipura 10th Lane, Mumbai. | — | 3 | On arrival it was noticed that, a ground floored, brick walled, timber framed tiled roofed structure under repairs of which flooring of 2nd and 3rd floor had collapsed injuring 3 persons. |
| 26. | 6-2-88 1118 hrs. | 13, Vora House, Kahangir Daji Street, Grand Road (W), Mumbai — 7. | — | 4 | On arrival at the scene of the incident it was noticed that, a complete portion of two floored residential bldg. which was under repair had given way thereby injuring four persons, and some portion of wall hanging precariously. |
| 27. | 6-2-88 1304 hrs. | Shivshakti Chawl, Suryanagar, L. B. S. Marg, Vikhroli, Mumbai. | — | 3 | On arrival at the scene of the incident it was seen that, some portion of W. C. alongwith earth had fallen on the roof of chawl injuring 3 persons. |
| 28. | 11-2-88 1632 hrs. | Bldg. No. 17, Mataji Temple Mandir, 3rd Poophal Wadi, Bhuleshwar, Mumbai — 3. | 2 | 4 | On arrival at the scene of the incident it was seen that, East side portion from top of the ground level had collapsed three floored bldg. which was under repairs, trapping some people under debris. |
| 29. | 19-2-88 1639 hrs. | Sonawala Compound, M/s. Shah Builders, Jawji Dadaji Marg, Mumbai — 7. | 3 | 9 | A portion of compound wall size of about 100' in length and 15' in hight had given away and collapsed on the adjoining hutments of about 7 nos. resulting 3 dead and 10 injured, due to debris of the wall. |
| 30. | 23-3-88 1210 hrs. | Bari Masjid, Mhaskrhance Road, Sant Sawata Marg, Mazgaon, Mumbai — 10. | — | 2 | Large portion of an external wall on 2nd floor of 3 floored Masque had given way on the footpath thereby injuring 2 persons while repairs work of Building was being carried out. |

APPENDIX — IV

Brief details of Serious Service calls during year 1987-88

| Sr. No. | Date and time | Place | Death | Injury | Details |
|---------|-----------------------------------|--|-------|--------|--|
| 1. | 2. | 3. | 4. | 5. | 6. |
| 1. | 3-4-87 1446 hrs. | Shaikh Mistri Darga Road, Jn., Wadala, Mumbai-37. | — | 3* | It was reported that, a tanker bearing No. MRR 7676 was speeding from Bombay to Sewree found toppled down causing injury to 2-3 persons. |
| 2. | 18-4-87 2155 hrs. 2155 hrs. | Tilak Nagar Road, No. 3, Opp. N Tilak Nagar Police Stn., Bharat Nagar, Mumbai. | — | 4 | On arrival at the scene of incident it is observed that, the overhead had snapped and fallen in between to causing injuries to four persons due to electric shock. |
| 3. | 28-4-87 0859 hrs. | M/s. Joy Frozen Foods, Pvt. Ltd., Plot No. 95/96, Govt. Industrial Estate, Charkop, Kandivli (W), Mumbai-67. | 1 | 10 | On arrival at the scene of incident it was noticed that, Ammonia gas had accumulated in ground R. C. C. structure used as Ice-cream factory. 11 persons working in that department overcame by ammonia gas. |
| 4. | 20-5-87 2351 hrs. | Accident of two motor lorry No. MRT 3598 and MTS 3829 near Kannamwar Pedestrian bridge, Vikhroli (East), Mumbai. Vihroli (East), Mumbai. | 1 | 3 | One motor lorry bearing No. MTS 3829 proceeding on Highway towards North collided with a stationary lorry bearing register No. MRT 3598. 4 persons were reported injured. 3 other casualties were removed to Hospital before arrival of brigade. |
| 5. | 21-5-87 1159 hrs. | Sahar Air-port, Link Road, Opp. Petrol Pump, Sahar, Andheri (E), Mumbai — 99. | — | 2 | On arrival at the scene of incident it was received that, Auto rickshaw MCJ-4342 was lying on the road side "Nallah. 2 persons had received injuries. |
| 6. | 11-6-87 1454 hrs. | Quresi Wada Road, Nagoba Chowk, Chunnabhatti, Khodalala- wala chawl, Mumbai. | 1 | 1 | Pm arrival at the scene of incident it was noticed that, portion of the hill gave way and fall on the two huts at the foot of the hill, causing injuries to 2 persons. One of them was found trapped under the big boulder and another injured person was sent to Sion hospital in private vehicle by members of the public before arrival of the brigade. |
| 7. | 27-8-87 1217 hrs. | Swami Sadam Bldg., Tukaram Jadhav Marg, Lower-Parel, Mumbai — 12. | — | 2 | On arrival at the scene of incident it was observed that, the domestic pressure cooker which was kept on the lighted gas segee, had burst due to excess pressure developed inside the pressure cooker and with the result laid blew up and hot water flashed all over. Two children sustained injury. |
| 8. | 3-8-87 1938 hrs. | Near Tardeo Film Centre, Pandit M. M. Malviya Marg, Tardeo, Mumbai — 36. | — | 3 | On arrival at the scene of incident it was noticed that, drain water had cane on the road and road became sleepy resulting two motor cyclist skidded and received minor injury to 3 persons. |
| 9. | 8-8-87 1558 hrs. | M/s. Parekh & Co., Hussein Mension, 91, Samuel Street, Mumbai. | — | 3 | On arrival at the scene of the incident it was observed that, M. S. drum containing Ortho chloro aniline was leaking evolving chlorine gas in a godown on ground floor of a four floored building. |
| 10. | 12-9-87 0118 hrs. | Opp. New Great Eastern Mill and goldenAutoService Petrol Pump. Dr. B. A. Road, Mumbai—27. | — | 2 | On arrival it was noticed that, a motor lorry No. MYU-8565 dashed against road side electric lamp post No. BAV/48 and thereafter dashed against a stationary private bus No. MMP-2446, taxi No. MMO-575 and MRO-5025 and subsequently to the compound of the New Great Eastern Mill resulting in injuries to two persons. |
| 11. | 20-9-87 1316 hrs. | Near Hotel Resort, Near Dava- pani Hotel, Aksa beach, B. B. Malad (W), Mumbai-95. | 3 | 2 | A motor lorry bearing No. MRT-1263 and a motor jeep bearing No. MFF-6314 met with an accident. 5 persons were reported injured out of whom 3 persons were removed to Bhagwati Hospital in police wireless van before arrival of the brigade, remaining 2 injured persons who were lying on the road removed to Bhagwati Hospital in brigade ambulance. |
| 12. | 22-9-87 0653 hrs. | S. G. Barve Marg, Nehru Nagar, Kurla (E), Mumbai. | 1 | 3 | On arrival at the scene of incident it is observed that private motor bus MMS-3651 had collided against a pvt. four wheeler tempo MMS-2751 resulting in death of one person and injuring three other. The 3 injured persons were removed to Rajawadi Hospital in police van before arrival of the brigade. |
| 13. | 24-9-87 1310 hrs. | S. B. Road, Sayani Road Junction Worli, Mumbai-25. | 1 | — | On the arrival at the incident it was observed that, B. E. S. T. Omni Bus bearing No. 2329 dashed against the electric lamp post No. TP-87 which had fallen on the nearby passer hand card person who sustained injury. |
| 14. | 24-9-87 2234 hrs. | 21/23, Haji Kasam Chawl, D'lina street, Br. Nath Pal Marg, Dockyard, Mumbai-10. | 1 | — | It was reported that a girl of four years was electrocated due to live high tension cable which was lying on the ground and was removed to J. J. Hospital by inmates in the Private vehicle before arrival of the Brigade. |
| 15. | 8-10-87 1239 hrs. | Vijay Durg Meidan, Tukaram Paul Marg, Ghatla Village, Chembur, Mumbai-71. | — | 46 | On arrival it was learnt by members of public large number of children who playfully tugged at the cluster of about 200 balloons decended on an open maidan and all of a sudden the balloons exploded causing burn injuries to the children and one person removed to Rajawadi Hospital. |
| 14. | 20-10-87 0035 hrs. | Hinduja House, Dr. Annie- Besant Road, Worli, Mumbai-18. | — | 3 | On arrival at the scene of incident it was observed that, some portion of the living room on 5th floor of a 6 floored R. C. C. structure building, collapsed due to explosion of the glyser and a result 3 persons sustained injuries. Injured were removed to Nair Hospital |

| 1. | 2. | 3. | 4. | 5. | 6. |
|-----|-----------------------|---|----|----|--|
| 17. | 23-10-87 2115 hrs. | Room No. 201, Ramnath Wadi, Korba Mithagar, Wadala (E), B. A. Darga Road, Mumbai. | 1 | — | On reaching the scene of the incident it was reported that, by the boy's mother that his son while garlanding the potograph, he got electric shock and fall down and became unconscious. |
| 18. | 31-10-87 2258 hrs. | M/s. Jagdish Textiles Pvt. Ltd., Suryoday Mills Compound, Tardeo Road, Mumbai-34. | 1 | — | On arrival at the incident it was learnt by the mill that one of the employees had overcame with live electric wire and became unconscious while working on power loom machine on ground floor of a two floored textile mill. He was removed to hospital before arrival of the brigade. |
| 19. | 15-11-87 2055 hrs. | Near Wadala Brigade, Rafi Ahmd. Kidwai Marg, Wadala, Mumbai. | — | 6 | On arrival at the scene of the incident it was noticed and learnt that, a empty motor tanker bearing No. MRL/4524 speeding from West to East on Wadala Brigade, had dashed against the cement railing of the brigade and felt down on speeding flat motor car bearing No. MMF-5076 on the Rafi Ahmed Kidwai, Marg. As a result both of the vehicles were damaged and total 6 passengers of both vehicle were injured who were taken to Sion Hospital by public in private car before arrival of the brigade. |
| 20. | 16-11-87 1140 hrs. | D. L. Dahanukar Road, Cuffe Parade, Opp. Japners Consulate, Mumbai. | — | 3 | On arrival at the scene of incident it was observed that, a school bus baring no. MRL 237 carry three school children being dashed against pvt. compound wall and parked pvt. ambassador car Reg. No. MMH 2758. three school children minor injured, handed over to their parents before arrival of the brigade and police. |
| 21. | 21-11-87 0140 hrs. | Near Thakkar Restaurant, Dr. N. A. Purandare Marg, Chawpati, Mumbai-7. | — | 2 | On arrival at the incident it was noticed that, a motor taxi bearing registration No. MMT 3532 which was plying from South to North side on N. A. Purandare Marg, had dashed against a street lamp post No. MDR 101 resulting injury to two persons from taxi and serve damage to the taxi and lamp pole. |
| 22. | 1-12-87 1414 hrs. | Aliywar Jung Marg, Western Express Highway, Santacruz (E), Mumbai-54. | — | 4 | On arrival it was observed that, loader four wheeler tempo bearing no. MMP/5694 which was going from Bombay to Malad direction got accident on Western express highway in between Khar and Santacruz causing four persons were injured. |
| 23. | 16-12-87 2335 hrs. | Vitthal Narayan Purav Marg, Opp. R. K. Studio, Chembur, Mumbai-71. | 1 | 2 | On arrival at the scene of incident it was noticed that, a motor lorry bearing registration no. MRT-1835 had dashed against a private vehicle bearing registration no. GBL-8335 and OGG-8272 on the road and thereby causing injuries to in all two persons and one person dead. |
| 24. | 23-12-87 1441 hrs. | Round Building, Bapurao Jagtap Marg, Maulana Azad Road, Jacob Circle, 2nd floor. | 1 | 1 | On arrival at the scene of the incident, it was reported that, 2 workers sustained electric shock in the common passage on the 2nd floor of ground floored and three upper floored timber framed building which is under repair used as dwelling. |
| 25. | 2-1-88 0119 hrs. | S. V. S. Cadel Road, Near Prabhadevi Telephone Exchange, Dadar, Mumbai-28. Dadar, Mumbai-28. | — | 3 | On arrival at the scene of the incident it was reported by members of public that, a taxi registration MRO-190 a motor cycle registration No. MMS 8057 both passing from North to South and a private car registration No. MHB 571 passing from South to North along to South comlided on each other thereby injuring three persons (all passengers and drivers of the vehicles). |
| 26. | 4-1-88 2340 hrs. | Near junction of 2nd Pirkhan Street, and Sir J. J. Road, Mumbai-8. | — | 8 | On arrival it was noticed that there was an accident between two private taxies bearing No. MRK 8811 and MMO 2213 which were speeding towards Byculla and towards Bhendi Bazar side. As a result six passengers and both the taxi drivers total 8 person reported injured. Removed to J. J. Hospital by public before arrival of the brigade. |
| 27. | 8-2-88 2057 hrs. | Dharavi, Bandra Road, Opp. Piwala Bunglow, Kala Killa, Dharavi, Mumbai-17. | 1 | 2 | On arrival at the scene of the incident it was noticed that, a lubricant oil was spoiled on the road, area about 40 mt. x 20 mt. Thereby a scooter baring registration No. MMW-5859 slipped through oil and dashed against single decker B. E. S. T. bus No. MMK/2227 causing two person reported injured and one child reported dead. |
| 38. | 15-3-88 1003 hrs. | Kurla Andheri Road, All Yawar Jung Road, Near Traffic Police Chawki, andheri (E) Mumbai-69. | 1 | 3 | On arrival at the scene of incident it was learnt from Police that a motor lorry bearing registration No. MRS-9379 loaded with eatable oil tanker plying from North to South direction along Aliywar Jung Marg, Near Kurla-Andheri Road Junction, were dashed against electric lamp post registration No. OBD 0344 and them skided and toppled down on the road resulting one boy dead on the spot and one pedestrian and driver cleaner of the lorry were sustained injured and damping to the vehicle. |
| 29. | 15-3-88 1324 hrs. | bombay Carbondi-Oxide Gas Corporation, R. C. F. Compound, Mahul Road, Mumbai. | — | 35 | On arrival at the scene of the incident it was noticed that, Amonia Gas was escaping through valve in bottling plant. It was reported later on that many persons were suffocated due to Ammonia gas of near by vicinity. |
| 30. | 17-3-88 02324 hrs. | Near Chinch-pokli Rly. Stn. Chinck-pokli Bridge, Sane Guruj Marg, Mumbai-12. | — | 6 | On arrival it was noticed that, there was an accident of the private taxi and private school bus bearing No. MRP/7103 and MRL-4368 respectively speeding on the road in opposite direction. As a result six persons reported injured and there was a spillage of oil over the road. |

| 1. | 2. | 3. | 4. | 5. | 6. |
|-----|-----------------------|--|----|----|--|
| 31. | 16-4-87 0953 hrs. | Netaji Subhash Road, Marine Drive. | — | 2 | On arrival at the scene of the incident it was informed by police that two persons were lying on the rocks with severe injury at sea shore. |
| 32. | 23-4-187 1038 hrs. | Kurla Kalina Road, and Netaji Road Junction, Kolivery village, Near Kolivery Masjid, Kalina, Mumbai—98. | 2 | — | On arrival at the scene of the incident it was reported and noticed that the two labours of the private contractor had fallen in the underground about 25 ft. deep while work of cleaning the debris in a gutter was going on. |
| 33. | 6-5-87 1621 hrs. | Pant Nagar Road, Between Savitribai Phule Zopadpatti & Municipal School No. 3, Ghatkopar (E) Mumbai—75. | — | 2 | On arrival at the scene of the incident it was noticed and learnt that, a motor truck bearing No. MRL—3806 loaded with mud and debris speeding from Ghatkopar to Vikhroli dashed against a wooden four wheeler hand card and went in to the gutter channel thereby causing injuries to four persons, who were trapped under the front and rear tyres of the motor truck. The four injured persons were pedestrians from Savitribai Phule Zopadpatti and sat on the hand card at the road side. |
| 34. | 15-5-87 1747 hrs. | Western Express Highway, Near Junction of Rani Sati Marg, Opp. Pathan Wadi, Malad (East) Mumbai. | 2 | — | On arrival at the incident it was reported that, two persons were trapped under over-turned lorry which was kept on the jack and one mechanic and driver repairing the same lorry bearing No. MTB—7530. |
| 35. | 15-5-87 1530 hrs. | Dr. Babasaheb Ambedkar Road, Near Jaihind Cinema, Kala chowki, Mumbai—33. | 1 | 3 | It was reported by the members of public that a lorry bearing No. MHE-1148 speeding from Byculla to Puna swerved on to the road divider and to the right side road dashed against a four wheeler tempo No. MMS-763, a Scooter No. MAJ-8574 and a stationary jeep No. MRH-7382. Thereby four persons were sustained severe injuries. |
| 36. | 21-6-87 1344 hrs. | Near Hotel Resort, Aksa Beach, Aksa Village, Bhaskar Bhopi Marg, Malad (West). | 4 | 2 | On arrival at the scene of the incident, it was revealed from the public members that totally four persons were drown in the sea water near Hotel Resort at Aksa Beach. |
| 37. | 15-7-87 0052 hrs. | Near Marol Naka, Andheri Kurla Road, Opp. Samsor Hotel. | — | 3 | On arrival at the scene of the incident it was noticed that, a private jeep bearing No. MAA—1331 which was speeding from Sakinaka to Andheri dashed against stationary private lorry bearing No. MRL—1117, as a result from side body of jeep severely damaged by trapping three persons, who were seating on front side seat in the jeep. |
| 38. | 12-9-87 0121 hrs. | Dr. Babasaheb Ambedkar Road, Near Jaihind Cinema, Kala- chowki, Mumbai—33. | 2 | 2 | It was reported by the public that the Municipal meat van (MRR-6763) speeding from Bombay to Deonar had swerved on the road divider and had dashed against motor taxi MRK—9232 and MRO—2660 going to Bombay. Thereby in all four persons were trapped under the taxi and meat van. |
| 39. | 7-11-87 1631 hrs. | Junction of Madan Kama Road and Maharshi Karve Road, Near Firuz Ara Bldg., Mumbai. | — | 10 | On arrival at the incident it was noticed that, B. E. S. T. single-decker bus No. MRL—6361 running East to West dashed against the motor taxi No. MRP—6029 running North to South as a result, 9 taxi passengers and the driver received injuries. |
| 40. | 17-11-87 0632 hrs. | Chandan Nagar, Shiv-Shankar Chawl, Near Gandhi Nagar, Adi Shankaracharya Marg, Vikhroli (East) Mumbai—83. | — | 28 | On arrival at the scene of incident it was noticed that, a private motor bus bearing registration No. MWP—4780 make—Tata full of passenger (Ceat Co.'s employees) which was coming from West to East (person to Vikhroli side) had dashed against the motor lorry bearing No. OSG—8834 make—Tata thereby the motor lorry reversed back and fallen on the near by three huts No. MK—178, 179 and NX—180. Thereby 23 persons in bus (Co.'s employees) and five persons in hut, total—28 were injured. Damage was caused to pvt. bus, motor lorry and huts. |
| 41. | 8-12-87 0707 hrs. | Elphiston Bridge, Parel, Mumbai. | — | 9 | On reaching the scene of accident it was reported that, a horse had gone wild and caused injuries to public members on road. |
| 42. | 4-1-88 1654 hrs. | Kejupada, Khadi No. 3, Andheri Kurla Road, Sakinaka, Mumbai-72. | — | 9 | On arrival at the scene of incident it was noticed that, loose earth had slides down the hillock, six children has sustained injuries due to the land slide. |
| 43. | 25-2-88 1027 hrs. | L. B. S. Marg, Opp. Vikhroli Bus Depot, Near Godrej Boyce Co., Vikhroli, Mumbai-79. | — | 9 | On reaching at the scene of the incident, it was noticed that a loaded motor lorry MHD-4488 dashed against two B. E. S. T. MMU-2161 and MRL-8420 and a passenger shelter. Thereby trapping 8 persons in a motor lorry. |
| 44. | 23-3-88 0554 hrs. | Opp. G. K. W. Co., L. B. S. Marg, Bhandup, Mumbai-78. | 1 | 1 | On arrival at the scene of the incident it was noticed that, B. E. S. T. Bus No. MRL-8623 plying from Kurla Bus Depot to Mulund Bus Depot had dashed against a four wheeler tempo No. MMS-3942 which was proceeding towards Vikhroli. Two persons sustained injury. |

APPENDIX — V

| Sr. No. | Type of Rescue | In fire | In Accident | Total |
|---------|--|---------|-------------|-------|
| 1. | Number of persons rescued alive with subsequently recovered. | 242 | 441 | 683 |
| 2. | Number of persons rescued alive with burns and/or injuries but subseq. died. | 126 | 167 | 293 |
| 3. | Number of human lives lost before arrival of Brigade. | 25 | 178 | 203 |
| 4. | Number of casualties among fire service personnel. | 4 | 12 | 16 |
| 5. | Number of Animals Rescued alive. | — | 171 | 171 |

APPENDIX — VI

| Sr. No. | Fire Risk Covered | Nos. |
|---------|--|--------|
| 1. | Textile, Woollen, Silk and artificial silk (Rayon etc. Mills). | 138 |
| 2. | Ginning Mills | 25 |
| 3. | Cotton presses | 14 |
| 4. | Oil Mills | 23 |
| 5. | Petrol and Oil Storages, refineries | 191 |
| 6. | Match Factories, fire works and explosive manufacturers. | 18 |
| 7. | Explosive stores. | 20 |
| 8. | Process involving dangerous petroleum product. | 21 |
| 9. | Cinematograph film, celluloid plastics and Bake lite works. | 33 |
| 10. | Timber and work working paper manufacturer. | 236 |
| 11. | Chemical Works. | 168 |
| 12. | Gas and Electricity undertaking. | 47 |
| 13. | Docks, Railway, Airport installations. | 38 |
| 14. | Warehouses, goods yards, goods sheds | 348 |
| 16. | Manufacture of rubber goods. | 186 |
| 16. | Manufacture of other goods. | 517 |
| 17. | High rise building. | 150 |
| | WATER FACILITIES | |
| 18. | Hydrants and approximate capacity. | 11,012 |
| 19. | Water ponds. | 55 |
| 20. | Refilling places. | 48 |
| 21. | Wells, rivers and canals. | 1938 |
| 22. | Other facilities like static tank, storage tank, etc. | 157 |

APPENDIX—VIII

Fires and losses for the period from 1982-83 to 1987-88.

| Year | No. of Fires | Estimated Loss |
|---------|--------------|-------------------|
| 1982-83 | 3031 | Rs. 7,11,79,728/- |
| 1983-84 | 3409 | Rs. 3,83,63,560/- |
| 1984-85 | 3177 | Rs. 3,65,84,752/- |
| 1985-86 | 3269 | Rs. 4,39,50,763/- |
| 1986-87 | 3067 | Rs. 1,96,84,415/- |
| 1987-88 | 3402 | Rs. 3,22,04,005/- |

SPECIAL VIGILANCE SQUAD

| Designation of Head of the Department | Name of the Officer and Qualifications | Period | Remarks |
|---------------------------------------|--|-----------------------------|----------------------|
| Vigilance Officer (Special Duty) | Shri I. C. Sisodia B. A. (Special) | 1-4-1987 to 31-3-1988 | Throughout the year. |

This is a small department known as Special Vigilance Squad and is a branch of Municipal Commissioner's Establishment comprising of 5 officers and 7 men directly working under Municipal Commissioner and Additional Municipal Commissioners.

Duties and functions of this department are as follows :—

1. To make confidential, secret enquiries and to collect information of important nature, in case of mal-practices, frauds, evasion of taxes, misconduct and to carry out raids against those who are suspected to be evading municipal revenue.

2. The Squad supervises the Central Control Room at Municipal Head Office. They keep liaison with Police, Excise, Custom and other Government Agencies. They carry out only those investigations which are entrusted to them by the Commissioner or Addl. Commissioners.

During the year 1987-88, this Special Vigilance Squad conducted 85 investigations, carried out 159 surprise raids, about 475 visits and checkings and disposed of about 1,850 matters of miscellaneous nature including important cases of Confidential and Secret nature.

The details of investigations are as under :—

| Sr. No. | Nature of the investigations | No. of cases |
|---------|--|--------------|
| 1. | Cases of misappropriation and fraud, etc. of Municipal Fund. | 6 |
| 2. | Cases of evasion of revenue in collusion with civic employees. | 39 |
| 3. | Cases of irregularities. | 16 |
| 4. | Cases of unauthorised constructions and business. | 24 |
| Total : | | 85 |

Details of raids and surprise checking are as under :—

| Sr. No. | Nature of the raid & checking | No. of Raids | Revenue recovered |
|---------|-------------------------------------|--------------|-------------------|
| 1. | Octroi raids at Railway Stations. | 113 | 7,23,083/- |
| 2. | Octroi raids at Octroi Barriers. | 26 | 2,83,116/- |
| 3. | Octroi raids at Docks and Airports. | 12 | 2,61,928/- |
| 4. | Cases of Octroi refund. | 5 | 2,54,887/- |
| 5. | Other checkings and raids | 3 | 5,23,906/- |
| Total : | | 159 | 20,46,920/- |

Details of surprise octroi raids carried out from 1-4-1987 to 31-3-1988

| Sr. No. | Month | Nos. of Raids | Octroi Road Barriers & Other | Docks & Airport | Railways | Refund | Market Dept. | Other Dept. | Total Revenue recovered |
|---------|----------|---------------|------------------------------|-----------------|-------------|-------------|--------------|-------------|-------------------------|
| 1. | April 87 | 17 | 68,823.00 | 17,002.00 | 50,542.00 | — | 3,308.00 | — | 1,39,675.00 |
| 2. | May 87 | 9 | ... | 54,012.00 | 36,375.00 | ... | ... | 5,20,598.00 | 6,10,985.00 |
| 3. | June 87 | 13 | 857.00 | 32,543.00 | 1,27,417.00 | 14,447.00 | ... | 1... | 1,75,264.00 |
| 4. | July 87 | 11 | 75,767.00 | ... | 45,155.00 | ... | ... | ... | 1,20,922.00 |
| 5. | Aug. 87 | 14 | 7,580.00 | ... | 38,627.00 | ... | ... | ... | 46,207.00 |
| 6. | Sep. 87 | 18 | 47,227.00 | 23,328.00 | 96,333.00 | ... | ... | ... | 1,66,888.00 |
| 7. | Oct. 87 | 7 | 14,284.00 | 59,689.00 | 11,895.00 | ... | ... | ... | 85,848.00 |
| 8. | Nov. 87 | 12 | 23,783.00 | ... | 51,315.00 | ... | ... | ... | 75,098.00 |
| 9. | Dec. 87 | 13 | 5,027.00 | 75,854.00 | 1,34,698.00 | — | — | — | 2,15,077.00 |
| 10. | Jan. 88 | 13 | 110.00 | — | 52,130.00 | 1,54,735 | — | — | 2,06,975.00 |
| 11. | Feb. 88 | 14 | 34,365.00 | — | 43,553.00 | 42,853.00 | — | — | 1,20,751.00 |
| 12. | March 88 | 16 | 5,313.00 | — | 35,065.00 | 42,852.00 | — | — | 83,230.00 |
| Total : | | 158 | 2,83,116.00 | 2,61,928.00 | 7,23,083.00 | 2,54,887.00 | 3,308.00 | 5,20,598.00 | 20,46,920.00 |

DY. C. E. (VIGILANCE)

The special technical cell of the Municipal Commissioner's office/establishment works directly under Municipal Commissioner. This cell is put in charge of a technical head designated as Dy. City Engineer (vigilance).

1) Main functions of the Cell :—

- a) The most important and the prima function of this cell is to keep an overall check and vigilance over all the technical matters mainly pertaining to the Civil Engg. works being executed by the various contracting agencies working under the supervision of various departments. These works include road constructions building constructions bridge construction drainage construction water supply and sewerage project works and various maintenance works executed by the ward officers.
- b) Municipal Commissioner forwards complaints received from the public Municipal Councillors, M.L.A. etc. for investigation and report from technical angle.
- c) In the wake of the case of fraudulent F.S.I. etc. M.C. desired that the bldg. proposal files shall be subjected to technical audit at random. Such technical audit is also being done by this cell.
- d) Dy. C. E. (Vig) also acts as an advisor to M.C. as and when desired by M.C., on all technical matters relating to Civil Engg. works and interpretations of relevant provisions of several statutory acts/rules/bye laws made thereunder.
- e) Dy. C.E.(Vig.) also acts as the co-ordinating agency amongst all the different engineering sections and assist the M.C. in the matters which need policy revision or lying down a new policy and implementations of policies.
- f) This cell also keeps watch on the material test results obtained at the Municipal laboratory.
- g) This cell checks at random final bills of the civil works carried out under various agencies.

2) Working of the cell :—

The irregularities discrepancies lapses omissions etc. are looked into and the findings are submitted to M.C. suggesting corrective and disciplinary actions to be taken against the erring contractors and the supervisory staff. Surprise inspections are carried out periodically on the Civil Engg. works like Road construction Bldg. construction Drainage construction W.S.S.D. works P.W.C. works in wards etc. which are being executed through contracting agencies. The inspections are carried out in view to verify whether the works are being carried out as per the design, specifications terms of contract etc. It is also verified whether the material being used on the works conform to the specified standards etc. The cases of deviations/irregularities/lapses etc. are noted down and these observations are forwarded to the concerned department for taking remedial/corrective actions and proposing disciplinary action against the contractors and the supervisory staff. This cell submits reports to M.C. proposing remedial/corrective actions and penalties rebates warnings degradation of the contractors and disciplinary actions against the supervisory staff depending upon the seriousness of the lapses. The M.C. sometimes forwards the complaints received from the public Municipal Councillors M.L.A. etc. for technical investigation. This cell investigates such cases and submit investigation report to M.C. with suggestions and replies to complainant. Occasionally M. C. forwards the reports submitted by the department heads for the remarks of Dy. C.E.(Vig.) such cases are also scrutinized and remarks are forwarded for M.C.'s perusal.

The bldg. proposal files are audited at random to verify whether the files are disposed off/dealt with as per prevailing rules/regulations such as D.C. Rules, bldg. bye laws, B.M.C. Act, M.R.T.P. Act, B.M.R.D.A. Act, U.L.C. & R Act etc. The report of such scrutiny is then submitted to the M.C. suggesting further course of action in the matter.

The construction material used on various construction works are sent for testing to the Municipal testing laboratory. The test result will indicate whether the materials conform to the specified standard. This office pursues the cases of failure of the materials and often directs the concerned department to carry out tests such as load test Hammer test etc.

The surprise element involved in the visits of the vigilance staff to various sites helps keeping the supervisory staff and contractors alert on the work to give better quality of work.

The technical scrutiny at random has also an element of surprise. The bldg. proposal staff takes adequate care while dealing with bldg. proposal files since noted failure in disposal of cases may lead to punishment.

The feeling that the work is likely to be checked and questioned keeps the related executing agencies alert to contract and deliver quality works.

Because of the feeling that the final bills of the work may be verified by the vigilance staff there is alertness in recording the measurements of the works carried out and payments made to the contractors.

The organisational set up of this cell is as under :—

Municipal Commissioner
Dy. City Engineer (Vigilance)

Asstt. Eng. (V) I
Sub-Eng. (V) I
(For City area)

Asstt. Eng. (V) II
Sub-Eng. (V) II
(For W. S. Areas)

Asst. Eng. (V) III
(For E.S. &
outside City Areas)

Clerk Steno
Record

Asstt. Peon

3) Performance of the cell :—

Major works done during the year 87-88 are as under :—

| | |
|--|----------|
| 1) No. of inspections carried out | |
| i) Inspection of works | 678 |
| ii) Miscellaneous inspection | 383 |
| 2) No. of final bills checked | 40 |
| 3) No. of cases received from the M.C./Addl. M.C.'s/D.M.C./Director (E.S. & P.) | 290 |
| 4) Amount of recoveries from contractors of rebates penalties, substandard work, detection of excess payments etc. | 8,58,716 |
| 5) No. of cases wherein departmental enquiries are initiated. | 9 |

Dy. C.E. (Vigilance)

MARKET DEPARTMENT

SALIENT FEATURE

| | |
|---------------|--------------------|
| Income : | Rs. 3,86,26,510.00 |
| Expenditure : | Rs. 6,25,17,870.00 |

There are 99 Markets out of which, 82 are Municipal and 17 private. Three more Municipal Markets are under litigation. In addition, there are 1,200 licensed outside shops for fresh frozen meat and fish.

The activities of the Market Department are managed by 1,151 personnel headed by Ward Officer (Markets) with the help of 37 Supervisory, 189 Inspectorial, 51 indoor, and 874-Peons/Labour staff.

The financial position of the Markets for the Year 1987-88 is as under:—

| Unit | Municipal Markets | Private Markets | Licences issued to O. S. Meat Shops | Revenue collected Rs. | Estt. cost. cost. Rs. | Mainte- nance. Rs. |
|---------|----------------------|--------------------|--|-----------------------------|--------------------------------|--------------------------|
| City | 36 | 10 | 509 | 3,11,00,745 | 1,56,63,807 | 3,54,52,524 |
| W. Sub. | 31 | 5 | 362 | 53,41,558 | 49,34,085 | 27,50,575 |
| E. Sub. | 15 | 2 | 329 | 21,84,207.00 | 22,82,305.00 | 14,34,574.00 |
| | 82 | 17 | 1,200 | 3,86,26,510.00 | 2,28,80,197.00 | 3,96,37,675.00 |

Markets under litigation —

| | |
|------------------|---|
| City | 1 |
| Eastern Suburbs. | 2 |

| | |
|-------|---|
| Total | 3 |
|-------|---|

Revenue of Rs. 3,86,26,510.00 is collected against the revenue of previous year Rs. 3,35,71,037.00. Expenditure incurred is Rs. 6,25,17,870.00 as against the expenditure of the previous year of Rs. 5,17,82,578.40.

Wholesale articles viz. vegetables, fruits, mutton, beef, fish, pork, poultry etc. were supplied through these markets.

Raids to prevent unauthorised import and slaughtering of animals were carried out as under:—

| | |
|-------------------------|-------|
| Total raids carried out | 2,778 |
| Animal Seized : | |
| (1) Sheep/goats | 3,244 |
| (2) Horned Cattle | 902 |

Stuff seized and destroyed :

| | |
|------------|-------------|
| (1) Beef | 33,717 Kgs. |
| (2) Mutton | 14,948 Kgs. |
| (3) Pork | 134 Kgs. |

Amount realised :

| | |
|-------------------------------|-----------------|
| (1) Disposal of skins & heads | Rs. 13,140.50 |
| (2) Disposal of Fish | Rs. 375 |
| (3) Fine imposed by Court | Rs. 1,40,480.00 |
| (4) By sale of seized animals | Rs. 6,47,799.85 |

Immunisation of Cattle and Dogs :

Immunisation of Cattles and dogs is done by the team of Veterinary staff.

During the year, 289 dogs were immunised at 8 centres. 14,286 puppies were destroyed at Mahalaxmi Centre. No male buffalo was detected suffering from rinderpest disease at Thane District. The curative and preventive treatment of animals was continued at Khar Veterinary Hospital as the Government had stopped supply of Rinderpest vaccine from 12-12-1986 onwards and the work is now being attended by Government of Maharashtra. Surplus staff is utilised in place of staff who retired.

MARKETS WHERE DEVELOPMENT IS HELD UP —

- CITY :**
1. Colaba Market : 2nd phase completed. Pile foundation of 3rd phase is also completed.
 2. M. J. Phule Market : The plans for construction of ground plus two upper floor building on the space of the old mutton section were prepared and the market was proposed to be developed in phases.
 3. Proposed cold storage at C. S. M. Market : It is now proposed to invite tenders to give the site of cold storage on lease on 'as is where is' basis.
 4. Kamathipura Market : Work is expected to start after October 1988.
 5. Prof. D. K. Mandaj : Construction is already completed but possession is not taken due to disputes.

- EASTERN SUBS.**
1. Temp. Kiroi Khalai Village Market, Vidyavihar. : The shed for fisher women is constructed at the cost of Rs. 38,000/-.
 2. Pmtt. market at Tagore Nagar, Vikhroli (East). : The tenders for completion of the market are invited and the work is likely to be completed by August 1989.

- WESTERN SUBURBS.**
1. Turner Road Market. : 1st phase construction is completed and started functioning but is not patronised and the market is now practically vacant. The veg. section of this market is proposed to be give to Co-operative Society.

MARKET LOCKED UP IN LITIGATION.

1. Market on plot 5-A at Mulund (West) on S. L. Road.
2. Market on plot No. 36 at Mulund (West).
3. Monarch Market (Chapsi Bhimji Marg, Mazgaon).

List of open plots available for development of Markets.

| Sr. No. | Ward | Location of the Plot | Area of plot (in Sq. Mtrs.) |
|---------|---------|----------------------------------|-----------------------------|
| 1. | A | Cuffe Parade, Colabe | 1900 |
| 2. | F/North | C. G. S. Colony | 2008.29 |
| 3. | G/North | M. M. C. Road | 3461.20 |
| 4. | G/North | Agar Bazar, Dadar | 3000 |
| 5. | P/South | North of Motilal Nagar, Goregaon | 2650 approx. |
| 6. | R/North | L. T. Road (Bhabhai) Borivali. | 2780 |
| 7. | R/North | Bharucha Road, Dahisar (East). | 2000 |

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| | | | |
|-----|---------|---|------|
| 8. | M/W | Subhash Nagar, Chembur Layout of 15th Road. | 4115 |
| 9. | M/E | Bainganwadi, Shivaji Nagar. | 2000 |
| 10. | M/E | Govandi Sambaji Nagar | 3000 |
| 11. | S | L. B. S. Marg, near Mangatram Petrol Pump, Bhandup. | 2546 |
| 12. | S | Kannamwar Nagar, Vokhroli (East). | 2000 |
| 13. | T | Plot opposite Mehul Cinema Nohur Road, Mulund. | 3492 |
| 14. | G/North | Mogal Lane | |

Sr. Ward Officer (Markets).

DEONAR ABATTOIR

The Abattoir functioned smoothly during the year 1987-88 except for a short period because of the strike like situation created by the licensees.

During the year under report, there is decrease in arrival and slaughter of sheep and goats, M. B. Cs. and pigs, whereas there is rise in arrival and slaughter of bullocks, buffaloes considering the arrival and slaughter of the last year. Moreover the export slaughter of sheep has gone down 40 to 50%, considering the export slaughter of last 3 years whereas the export slaughter of buffaloes has been increased slightly considering the slaughter of last two years, inspite of the fact that export slaughter of buffaloes was suspended by Government of Maharashtra for a short period due to the out-break of Rinderpest during 1987-88.

Cold Storage facilities could not be made available to the licensees through out the year as the cold storage plant was under repairs during the period from December 1986 to 11th October 1987 and again from 16th December 1987 onwards.

The Gobar gas plant, which was under repairs, has been closed down as the same was found uneconomical.

As usual special arrangements were made during Bakri-Id Festival for 'Sacrificial Slaughter' of horned cattle in one of the live stock market sheds and Municipal Meat Vans made available for the transportation of sacrificial meat.

Pharmaceutical concerns like M/s. Griffon Laboratories, M/s. Raptakos Brett & Co., M/s. Cachet Pharmaceuticals, M/s. Emcure Pharmaceuticals, The Haffkine Institute and many other technical and research institutes continued to take benefit of the facilities for collection of blood, various glands, tissues etc., at Deonar Abattoir for pharmaceutical use and research purpose.

Educational Institutions like Bombay Veterinary College of Konkan Krishi Vidyapith Trainees from Marketing and Inspection Deptt., Govt. of India, Local Self Government Institution, Bombay and many other educational Institutes availed of the facilities for demonstration training etc.

Persons from various States and from abroad paid visit to the Abattoir and took advantage of the technical expertise available here.

STATEMENT—I

PART-I

Brought :

| | Buffaloes | Bullocks | M. B. C. | Sheep & Goats | Pigs |
|----------------------------------|-----------|----------|----------|---------------|--------|
| 1986-87 | 56,908 | 1,08,651 | 6,837 | 33,67,429 | 49,143 |
| 1987-88 | 57,058 | 1,20,901 | 5,220 | 30,90,104 | 47,943 |
| Rejected : | | | | | |
| 1986-87 | 1,230 | 2,093 | 255 | 3,523 | 210 |
| 1987-88 | 1,467 | 2,462 | — | 1,459 | 1,592 |
| Percentage of rejection : | | | | | |
| 1986-87 | 2.16 % | 1.92 % | 3.73 % | 0.1 % | 0.42 % |
| 1987-88 | 2.57 % | 2.03 % | — | 0.5 % | 3.32 % |
| Animals removed : | | | | | |
| 1986-87 | — | — | — | 5,48,252 | — |
| 1987-88 | 4 | 4 | — | 4,55,546 | — |
| Slaughtered : | | | | | |
| 1986-87 | 56,282 | 1,09,679 | 6,835 | 23,05,702 | 50,429 |
| 1987-88 | 56,999 | 1,20,449 | 5,222 | 20,56,023 | 48,164 |

PART—II

| Meat | Quantity Produced in ton | | Quantity Condemned in ton | | Percentage of condem- nation | |
|--------|-----------------------------|----------|------------------------------|---------|---------------------------------|---------|
| | 1986-87 | 1987-88 | 1986-87 | 1987-88 | 1986-87 | 1987-88 |
| Beef | 22566.05 | 23838.43 | 75.007 | 43.25 | 0.33 % | 0.18 % |
| Mutton | 23057.02 | 20560.23 | 17.68 | 3.62 | 0.078 % | 0.01 % |
| Pork | 1260.70 | 1203.40 | 26.339 | 20.4 | 2.06 % | 1.70 % |

STATEMENT—II

REVENUE COLLECTED AT DEONAR ABATTOIR

| | | 1986-87 | 1987-88 |
|---------|------------------------|----------------|-------------|
| | | Rs. | Rs. |
| 1. | Fair Fees | 73,28,835.00 | 70,10,411 |
| 2. | Slaughter Fees | 2,07,72,377.00 | 1,86,40,833 |
| 3. | Miscellaneous Receipts | 1,99,65,351.00 | 1,81,19,036 |
| 4. | Rent | 9,66,124.00 | 9,05,832 |
| 5. | Cold Storage | 90,998.00 | 33,199 |
| Total : | | 4,91,23,685.00 | 4,47,09,311 |

Sd/-
General Manager,
Deonar Abattoir

LICENCE DEPARTMENT

HIGH LIGHTS

(1) Expenditure on the Department :—

| | |
|-------------------|---------------------|
| (a) Establishment | ... Rs. 1,83,74,136 |
| (b) Others | ... Rs. 63,31,574 |

(2) Revenue earned by the Department ... Rs. 7,49,85,759

NO. OF LICENCES ISSUED AND AMOUNT REALISED

| Sections of B. M. C. Act. | No. of licences issued. | | | Revenue realised (in Rs.) | | |
|---|-------------------------|----------|-----------|---------------------------|-------------|-------------|
| | Div. I. | Div. II. | Div. III. | Div. I | Div. II | Div. III |
| 313(1) (b) (c) Projection Licences. | 36876 | 2390 | 1270 | 81,81,738 | 3,96,333 | 2,15,326 |
| 313A/313B Hawkers Licences. | 8877 | 2739 | 1413 | 48,22,592 | 19,44,421 | 9,25,812 |
| 328/328A Advertisement Permits. | 5212 | 1898 | 610 | 59,50,997 | 19,71,568 | 9,31,605 |
| 393/394/412A Licences for storages & Trades, under Sche- dule 'M' of the B.M.C. Act. | 57564 | 34721 | 21003 | 1,36,71,733 | 1,27,99,628 | 93,25,730 |
| | 108529 | 41748 | 24296 | 3,26,27,060 | 1,71,11,950 | 1,13,98,473 |

EVOLUTION :

The Licence Department functions is created to fulfill the obligatory duties of the Corporation under section 61 (j) of the Bombay Municipal Corporation Act., which provides for the regulation of offensive and dangerous trades, etc.

This obligatory duty of the Corporation is discharged by executing the statutory provisions.

1) Under Section 394 of the Bombay Municipal Corporation Act by granting licences for storages of various commodities and trades under Schedule 'M', Section 394. For the purpose of administrative control in enforcing the provisions of this section in the larger interest of the life, health and property of the citizens, in addition to the decentralised ward staff, a stricter control is exercised through five Mass Raids by regular surprise inspections in the zonal wards for detection of new storages/trades, infringements of licence conditions etc.

So far in 488 cases, 14,18,470.28 Kgs. of such chemicals were seized after recovering Rs. 13,58,400.00 as warehousing charges,

In addition to the above, the Licence Department also controls and regulates.

A) Advertisement under Section 328/328/A of the —Bombay Municipal Corporation Act.

Permissions for the advertisement hoardings (illuminated/plain etc.) are granted strictly in conformity of certain norms and guidelines finalised by the Administration.

B) Projection licences such as Weather frame, Stall boards, Rolling shutters, Show-cases etc. licences are granted under section 313(1) of the B.M.C. Act. These licences are granted if they are in conformity with certain rules and regulations framed in this behalf.

C) Hawkers' licences under Section 313A/313B of the B.M.C. Act.

At present no new hawkers' licences are granted. Only cobblers' pitch licences are granted liberally if in conformity of certain rules and regulations framed in this behalf.

However, owing to financial constraints at the disposal of the administration for adequate man power and equipment, unauthorised occupation-cum-refuse removal charges are recovered at the rates of Rs. 5/— and Rs. 7/— (for perishable & non-perishable) from the unauthorised hawkers in each ward. Similar charges at the rates of Rs. 10/— and Rs. 20/— are recovered from unauthorised nocturnal hawkers dealing food articles in trays and handcarts respectively.

D) Removal of unauthorised encroachment under section 314(c) of the B.M.C. Act.

Each Ward has an encroachment removal staff with encroachment removal vehicle with Lorry Inspector and six labourers for Morning and Evening shift separately. This staff take concentrates on encroachment removal actions against unauthorised hawkers. There is also a central Vigilance Squad under Seniorx Inspector (Licence) for surprise and stringent actions.

LICENCE DEPARTMENT

STATEMENT SHOWING THE REVENUE POSITION FOR THE YEAR 1987-88

| Sr. No. | Particulars. | No. of Licences. | Actual collection for the year 1987-88. |
|---------|---|------------------|---|
| | | | Rs. |
| 1. | Licences for Storages & Trades under Section 394 of the B. M. C. Act. | 1,13,157 | 3,57,75,837 |
| 2. | Licences for stall board projection under Section 313(1)(b)(c) of the B. M. C. Act. | 40,536 | 87,93,396 |
| 3. | Licences for Advertisement under Section 328/328A of the B. M. C. Act. | 7,720 | 88,54,170 |
| 4. | Licences for hawkers & squatters under Section 313(A)(B) of the B. M. C. Act. | 13,029 | 75,45,041 |
| 5. | Recovery of Daily fees from hawkers of Rs. 3/- per day per hawker. | — | 11,13,228 |
| 6. | Redemption Charges (Lorry collection) | — | 1,01,61,908 |
| 7. | Miscellaneous Receipts. | ... | 13,10,975 |
| 8. | Ground Rent. | ... | 14,31,204 |
| | Total :— | 1,74,442 | 7,49,85,759 |

APPENDIX — 'A'

STATEMENT SHOWING THE NUMBER OF LICENCES AND PERMITS ISSUED AND FEES RECEIVED IN THE YEAR 1985-86 TO 1987-88

| DESCRIPTION | YEAR | NUMBER OF LICENCES | | | AMOUNT OF FEES REALISED (IN Rs.) | | |
|---|---------|--------------------|---------|----------|----------------------------------|-------------|-----------|
| | | DIV. I | DIV. II | DIV. III | DIV. I | DIV. II | DIV. III |
| Commodities & Trades Including Milk and its products. (Section 394 and 412A) | 1985-86 | 61,805 | 36,137 | 15,010 | 2,06,22,227 | 1,33,03,094 | 88,71,240 |
| | 1986-87 | 62,067 | 31,356 | 91,331 | 1,86,29,553 | 1,36,15,805 | 73,62,996 |
| | 1987-88 | 57,526 | 34,703 | 20,928 | 1,36,67,423 | 1,27,95,628 | 93,12,785 |
| Blowing Steam Whistles. (Section 393) | 1985-86 | 40 | 22 | 75 | 2,462 | 4,725 | 15,805 |
| | 1986-87 | 41 | 21 | 74 | 2,800 | 4,375 | 17,243 |
| | 1987-88 | 38 | 18 | 75 | 4,310 | 4,000 | 12,945 |
| Transfer fees. | 1985-86 | 748 | 603 | 298 | 1,02,219 | 1,04,887 | 50,901 |
| | 1986-87 | 668 | 668 | 191 | 1,84,999 | 97,756 | 55,432 |
| | 1987-88 | 629 | 625 | 197 | 1,43,509 | 84,248 | 48,424 |
| Grand Total :— | 1985-86 | 62,591 | 36,752 | 15,383 | 2,06,26,908 | 1,34,12,699 | 89,37,946 |
| | 1986-87 | 62,776 | 32,045 | 19,596 | 1,87,97,352 | 1,37,17,936 | 74,35,670 |
| | 1987-88 | 58,193 | 35,346 | 21,200 | 1,38,15,242 | 1,28,83,876 | 93,74,154 |

APPENDIX — 'B'

STATEMENT SHOWING THE NUMBER OF PERMITS FOR ADVERTISEMENT ISSUED AND AMOUNT OF FEES COLLECTED DURING THE YEAR 1985-86 TO 1987-88.

| DISCRIPTION | YEAR | NUMBER OF PERMITS | | | AMOUNT OF FEES REALISED (IN Rs.) | | |
|--|---------|-------------------|---------|----------|----------------------------------|-----------|----------|
| | | Div. I | Div. II | Div. III | Div. I | Div. II | Div. III |
| (1) Wall Posters, Hoardings and Boards. | 1985-86 | 3844 | 1867 | 724 | 70,06,398 | 19,38,820 | 7,44,450 |
| (2) Movable Boards and Hand Carts. | 1986-87 | 4276 | 1778 | 627 | 77,35,557 | 13,91,443 | 9,54,882 |
| (3) Illuminated Advertisements, Sky-signs. | 1987-88 | 5212 | 1898 | 610 | 59,50,997 | 19,71,568 | 9,31,605 |
| (4) Non-Illuminated Sky-signs. | | | | | | | |
| Total :— | 1985-86 | 3844 | 1867 | 724 | 70,06,398 | 19,38,820 | 7,44,450 |
| | 1986-87 | 4276 | 1778 | 627 | 77,35,557 | 13,91,443 | 9,54,882 |
| | 1987-88 | 5212 | 1898 | 610 | 59,50,997 | 19,71,568 | 9,31,605 |

APPENDIX — 'C'

STATEMENT SHOWING THE NUMBER OF HAWKERS LICENCES ISSUED AND AMOUNT OF FEES COLLECTED DURING THE YEAR 1985-86 TO 1987-88.

| DESCRIPTION | YEAR | NUMBER OF LICENCES | | | AMOUNT OF FEES (IN Rs.) | | |
|--|---------|--------------------|---------|----------|-------------------------|-----------|-----------|
| | | DIV. I | DIV. II | DIV. III | DIV. I | DIV. II | DIV. III |
| (1) Squatters fees collected from licenced Hawker | 1985-86 | 9622 | 2241 | 928 | 51,56,015 | 12,97,004 | 7,50,115 |
| | 1986-87 | 8152 | 2737 | 1085 | 57,07,946 | 16,72,643 | 7,85,197 |
| | 1987-88 | 8848 | 2693 | 1413 | 48,20,228 | 19,44,283 | 7,80,528 |
| (2) Fees received Itinerant hawkers licences (Section 313). | 1985-86 | 69 | 659 | 93 | 1,619 | 2,03,207 | 33,829 |
| | 1986-87 | 48 | 125 | 225 | 2,927 | 2,819 | 50,560 |
| | 1987-88 | 29 | 46 | Nil | 2,364 | 138 | 1,45,284 |
| Total of (1) & (2) | 1985-86 | 9691 | 2900 | 1021 | 51,57,634 | 15,00,211 | 7,83,944 |
| | 1986-87 | 8198 | 2862 | 1310 | 57,10,873 | 16,75,462 | 8,35,757 |
| | 1987-88 | 8877 | 2739 | 1413 | 48,22,592 | 19,44,421 | 9,25,812 |
| (3) Recovery of expenses (Under Section 490 for removal of encroachment under Section 314) / | 1985-86 | ... | ... | ... | 24,47,917 | 14,40,352 | 8,44,123 |
| | 1986-87 | ... | ... | ... | 27,76,263 | 26,71,961 | 8,12,604 |
| | 1987-88 | ... | ... | ... | 41,96,688 | 37,49,132 | 17,04,394 |
| GRAND TOTAL :— | 1985-86 | 9691 | 2900 | 1021 | 76,05,551 | 19,40,563 | 16,28,067 |
| | 1986-87 | 8198 | 2862 | 1310 | 84,87,136 | 13,47,423 | 16,48,361 |
| | 1987-88 | 8877 | 2739 | 1413 | 90,19,280 | 56,93,553 | 26,30,206 |

APPENDIX — 'D'

STATEMENT SHOWING THE NUMBER OF LICENCES ISSUED IN RESPECT OF STALL BOARDS, PROJECTION ETC., IN CITY, SUBURBS AND EXTENDED SUBURBS DURING THE YEAR 1984-85 to 1986-87 UNDER SECTION 313(1)(b)(c).

| YEAR | NUMBER OF LICENCES ISSUED | | | AMOUNT OF FEES COLLECTED (IN Rs.) | | |
|---------|---------------------------|---------|----------|-----------------------------------|----------|----------|
| | DIV. I | DIV. II | DIV. III | DIV. I | DIV. II | DIV. III |
| 1985-86 | 41,940 | 2316 | 1010 | 89,43,350 | 4,64,570 | 2,31,365 |
| 1986-87 | 37,687 | 2,224 | 1,221 | 89,57,859 | 4,47,795 | 2,17,868 |
| 1987-88 | 36,876 | 2,390 | 1,270 | 81,81,738 | 3,96,333 | 2,15,326 |

SHOPS & ESTABLISHMENTS ACT, 1948

Sallient Features

| | |
|--|------------------|
| 1. Revenue Receipts | Rs. 37,81,351.35 |
| 2. Expenditure on different activities (Exclusive of Provident Fund and Supervision charges) | Rs. 54,92,832.70 |
| 3. Number of establishments registered | 2,73,197 |
| 4. Number of employees working therein | 8,32,591 |
| 5. Complaints received | 664 |
| 6. Complaints disposed of | 589 |
| Grant-in-aid received during the year | NIL |

This department is entrusted with the work of enforcement of

(1) The Bombay Shops & Estts. Act 1948 and Maharashtra Shops Estts. Rules 1961.

(2) Minimum Wages Act 1948 and Maharashtra Minimum Wages Rule 1963.

In respect of the schedule employment viz.

(i) No. 13 — Employment in any residential hotel, restaurant or eating house as defined in the Bombay Shops & Estts. Act, 1948.

(ii) No. 17 — Employment in any shop or commercial establishment (not being an employment in any bank or an employment which is include) under any of the other entries in this schedule:

(iii) No. 21 — Employment in Cinema Exhibition Industry.

(3) Payment of Wages Act, 1936 and Maharashtra Payment of Wages Rules 1961.

(4) Maternity Benefit Act 1961 and Maharashtra Benefit Rules 1965.

The following are the highlights of work done by Inspectorate.

A) Bombay Shops & Estts. Act, 1948 :

| | |
|-----------------------------------|---------------|
| i) No. of Establishments visited. | 1,57,805 |
| ii) No. of court cases filed. | 14,248 |
| iii) No. of court cases decided. | 12,986 |
| iv) Amount of fine imposed. | Rs. 17,11,740 |

B) Minimum Wages Act, 1948

| | |
|--|------------------|
| i) No. of Estts. Visited. | 9,162 |
| ii) No. of prosecution filed. | 224 |
| iii) No. of cases decided. | 209 |
| iv) Amount fined inflicted | Rs. 14,900.00 |
| v) No. of employees benefited at the intervention of the Inspectorial Staff. | 1,498 |
| vi) Amount of benefit achieved for employees. | Rs. 10,64,453.80 |

At the beginning of the year 08 complaints were pending for investigation. During the year under report 664 complaints were received. At the close of the year 589 complaints were disposed of.

Similarly, at the beginning of the year 4573 prosecutions were pending disposal. During the year under report 13,864 prosecutions were launched and 12,171 were disposed of successfully.

An amount of Rs. 17,11,740/- was inflicted towards fine by the various court in the limits of Greater Bombay.

In the year 1987-88 there was excess of expenditure over income in the administration of the Shops & Establishments Act, 1948. The total expenditure incurred on different activities of the department during the year was Rs. 54,92,832.70 exclusive of provident fund, and leave contribution and supervision charges as against this, an amount of Rs. 37,81,351.35 was realised by way of income on account of registration, renewal fees, selling of forms etc.

In the year 1987-88 9,162 visits of the shops, were paid for the purpose of enforcement under the Minimum Wages Act, 1948. Out of this, 4,719 were visits to the shops, 3,548 visits to the commercial establishments, 882 visits to restta./residential hotels, 13 to theatres. As a result of intervention of the Inspectors of this department, 1,498 employees were benefited to the tune of Rs. 10,64,453.80 by way of difference in actual wages and the Minimum Wages on account of increase in the rate of special allowances declared by the Competent Authority, at the interval of 6 months, i.e., in January and December. During the year under report, 1,487 Mass Raids were conducted for the purpose of enforcement of the various provisions of the B. S. & E. Act, 1948, Minimum Wages Act, 1948, Maharashtra Minimum Wages Rules 1963. 224 prosecutions for breaches of Maharashtra Minimum Wages Rules 1963 were launched, during the year under report, out of which 209 cases were decided realising a total fine of Rs. 14,900/-. One claim under Section 15 of the Payment of Wages Act, 1936 was filed, realising in Monetary Benefit of Rs. 17,975.63 to the employees. In accordance with the Administrator's Resolution No. 572, dated the 22nd October 1984, the Inspectorate under B. S. & E. Act 1948 have been collecting Trade Refuse Charges for the Solid Waste Management Department. These charges are equivalent to tariff of fees under the B. S. & E. Act, 1948 and Maharashtra S. & E. Rules 1961. The tariff is fixed by the State Government. During the year 1987-88 an amount of Rs. 29,97,284.65 were collected towards Trade Refuse Charges.

The following staff consist in this department :

| | |
|---|-----|
| 1) Chief Inspector (Shops & Estts.) | 1 |
| 2) Dy. Chief Inspector (Shops & Estts.) | 0 4 |
| 3) Sr. Inspectors (Shops & Estts.) | 29 |
| 4) Inspectors (Shops & Estts.) | 056 |
| 5) Superior Staff | 044 |
| 6) Sr. Shop Attendants | 7 |
| 7) Shop Atttdts. and Peons | 45 |

During the year under repprt the department was headed by the following officers.

- 1) Shri V. R. Paradkar, Chief Inspector (Shops & Estts.) — upto 30-4-1987.
- 2) Shri Y. N. Bhave, Ag. Chief Inspector (Shops & Estts.) — from 1-5-1987 to 30-11-1987.
- 3) Shri V. D. Totade, Ag. Chief Inspector (Shops & Estts.) — from 1-12-1987 onwards.

Chief Inspector,
Shops and Establishments.

MUNICIPAL GARDENS

| | |
|--|-----------------|
| (1) Income | Rs. 7,80,942 |
| (2) Expenditure | Rs. 2,70,07,870 |
| (3) Amount spent on Zoo | Rs. 28,23,090 |
| (4) Expenditure on Special towards Repairs & New Works | Rs. 22,57,250 |
| | Rs. 41,57,777 |
| | 64,15,027 |

(5) Recreation activities added during the year 1987-88.

| | VJBU | City | W. S. | E. S. | Total |
|---|------------|-----------------------|-------|-------|-------|
| (1) Gardens | | | 2 | 1 | 5 |
| (2) Playgrounds | | | 2 | 1 | 6 |
| (3) Fountains | + 2 - 2 | increase dismantal | ... | ... | Nil |
| (4) Gardens attached to Municipal Bldg. | | Nil | ... | ... | ... |
| (5) Bandstand | | Nil | ... | ... | ... |
| (6) Traffic Islands | | | 10 | ... | 10 |
| (7) Nurséries | | Nil | ... | 1 | 1 |
| (8) Plant Sale Counters | | Nil | ... | ... | ... |
| (9) Plants distributed | | | 11043 | 5000 | 9990 |
| (10) Trees planted | | | 676 | 2558 | 2280 |
| | | | | | 26033 |
| | | | | | 5514 |

The Gardens department looks after the development and maintenance of gardens, playgrounds and traffic islands etc. besides plantation of trees and preservation of the existing trees, and is at present having 286 gardens, 167 playgrounds, 38 gardens attached to the Municipal Building, 142 traffic islands gardens, 60 water fountains, 13 Bandstand, 24 Nurseries and 3 sale counter all over Greater Bombay.

Veermata Jijabai Bhosle Udyan which is centrally located has remained one of the best attractions to the visitors as was in the past. Shady trees and modern play apparatus installed in the Garden regaled the childrens and visitors.

A Japanese Garden is constructed by Yokohama City landscape Consortium on behalf of the City Council of Yokohama at a centrally located plot of about 2,400 Sq.M. near fountain. At the centre of the Japanese Garden, there is a pond which is surrounded by a stream, a water-fall and a pergola. Another interesting feature of the garden is the Kabulki Gate which is made up of teak wood. It is one of the picturesque beauty spot in the V. J. B. Udyan. The pond is skirted by a passage from ne where one where can observe different facets of the garden while walking around it. There are artistic stones, stepping stones and wooden bridge. Besides there is a snow view stones lantern installed in the garden which represents its symbolic meaning as originally being used for lighting.

During the year 1987-88, 9 spotted deers, 6 Sambar deers, 5 Grey Partridge, 20 Fainted pigeon, 4 painted stork, 4 Jackal and 8 Budgeriger Love Birds were born in the Zoo.

In addition 2 spotted deers donated by Ganeshpuri Ashram One Leopard, 2 Porcupine were donated by Sanjay Gandhi National Park and 14 Red Brested Parrot, 25 Alexandren Parrot, 100 Nos. Black headed Munia were donated by Deputy Director, Wild Life.

In addition to the above, 12 Blue Magpie exchanged with Shri Masrat Khan (authorised bird dealer) in exchange of 4 White Ibis, 6 Indian Goose, 2 Muscovi Duck and 2 painted stork.

RECREATION ACTIVITIES :

During the year under report 5 gardens, 5 playgrounds, 10 traffic islands gardens, 1 Nursery are added. The existing garden and playgrounds in the City, Eastern Suburbs and Western Suburbs were maintained properly.

During the year under report 2 fountains were dismantled and 2 new fountains are provided.

FOUNTAINS :

There are 60 fountains in Greater Mumbai Limit which have added to the beauty of the City with their cascading water and multi coloured lights.

Tree Plantation :

During the year 1987-88 a mass tree plantation programme was undertaken to combat the evil effects of Air pollution. 676 trees in the City, 2,558 trees in the Western Suburbs and 2,280 trees in Eastern Suburbs were planted. As a part of grow more campaign 26,033 plants were distributed to the public free of cost.

Maintenance of Gardens and Playgrounds :

| Sr. No. | Description | VJBU & CITY | W. S. | E. S. | Total |
|---------|---|-------------|-------|-------|--------|
| 1. | Gardens | 144 | 74 | 68 | 286 |
| 2. | Playgrounds | 92 | 44 | 31 | 167 |
| 3. | Gardens attached to Municipal Buildings | 15 | 16 | 7 | 38 |
| 4. | Fountains | 31 | 12 | 17 | 60 |
| 5. | Band Stands | 7 | 3 | 3 | 13 |
| 6. | Box Hedges | 1 | 1 | — | 2 |
| 7. | Statues | 14 | 2 | 6 | 22 |
| 8. | Traffic Islands Gardens | 103 | 24 | 15 | 142 |
| 9. | Nurseries | 9 | 8 | 7 | 24 |
| 10. | Sale Counters | 1 | 1 | 1 | 3 |
| 11. | Plantation of trees | 676 | 2558 | 2280 | 5514 |
| 12. | Existing trees | 35070 | 31318 | 37962 | 104350 |

MUNICIPAL FREE READING ROOM AND LIBRARIES

There are 31 Municipal Free Reading Rooms and Libraries. (including one circulating library). Out of these 26 Libraries 20 on Div. I, City, 3 on Div. II (W. S.) and 3 on Div. III (E. S.) were managed by the Mumbai Marathi Granth Sangrahalaya as per C. R. No. 2021 of 29-3-1984. The remaining five libraries 4 on Div. I City and 1 on Div. II (W. S.) were managed by Municipal Corporation of Greater Bombay.

The details of books purchased, number of visitors, income and expenditure etc.

| Particulars | Division I | | Division II | | Division III | |
|---|------------|---------|-------------|---------|--------------|---------|
| | 1986-87 | 1987-88 | 1986-87 | 1987-88 | 1986-87 | 1987-88 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Number of Books Purchased | Nil | Nil | Nil | Nil | Nil | Nil |
| Cost of the books | Nil | Nil | Nil | Nil | Nil | Nil |
| Number of visitors | 26497 | 18220 | 16979 | 26845 | | Nil |
| Income | 21600 | 21600 | 9697 | 7473 | 3240 | 9720 |
| Expenditure excluding grant paid to Mumbai M. Granth Sangrahalaya | 2034113 | 960457 | 1012820 | 789781 | 538325 | 309910 |
| Grant paid to Mumbai Marathi Granth Sangrahalaya. | 240000 | 240000 | 36000 | 36000 | 38500 | 36000 |

As per M. C.'s order under No. MDB/1065 of 22-12-83, Sobani Municipal Free Reading Room and Library was shifted in new premises at Panchashil Nivas Building Compound, 5 Lane, Bombay 400 008, and was opened temporarily to the public from 29-7-1984. Due to disputes raised by the people in the locality it was closed from 16-9-1984 as per Ward Officer's instruction. In mean time the first theft took place on 15-2-1985 and 2nd theft on 9-5-1986, so far said library closed permanently.

Now the entire Establishment of Chief Librarian's Department transferred under Education Department *vide* M. C.'s order No. MOM/7170 of 17-2-1987. In the above letter M. C. agreed to open Sobani Municipal Free Reading Room and Library in the premises of Nagpada Municipal Primary School, therefore this library transferred at same place. Halai Memon Municipal Free Reading Room and Library was closed to the public from 29-8-1983 onwards, as the premises were required to be repaired by the trustees.

* The figures includes the recovery from Mumbai Marathi Granth Sangrahalaya of arrears of compensation for the use and occupation of the library premises at the revised rate as per C. R. No. 2021 of 29-3-1984.

Librarian.
Municipal Teacher Library
Education Department

DR. BHAU DAJI LAD MUSEUM

The Museum founded in 1855 and known as the Victoria and Albert Museum was handed over to the Corporation by the Bombay Government in 1885. On 1st November, 1975 it was renamed as the Dr. Bhau Daji Lad Museum.

The exhibits in the Museum are classified into different sections, such as Agriculture & Village-Life, Arms, Cottage-Industries, Ethnology, Fine-Arts, Numismatics, Geology and Old Bombay History. The Reference Library of the Museum contains books on Art, Archeology, History, Old Bombay etc. and most importantly eighteen volumes of specimens of old Indian Textiles that are available for reference on request.

Routine maintenance work was carried out through the year, inclusive of the special treatment against the menace of termites. Effort was also made to enrich the reference library through the purchase of new books as well as by reorganising the cataloguing so as to be of increased assistance to readers. In addition to the routine maintenance work, two major maintenance projects are scheduled to be taken up in connection with repairs to the Museum building.

a) Repair of the dilapidated windows of the Museum

b) Repair and replacement of the supports to the cornices on the Museum building

The Municipal Commissioner has proposed to reorganise the existing Museum set-up with a view of finally converting the Museum into a "City Museum" depicting and describing the history of Bombay city as well as reorganising some of the existing display.

In this connection, the administration of the Dr. Bhau Daji Lad Museum was handed over to the Prince of Wales Museum with effect from 1st January 1988, with Shri S. V. Gorakshkar, Director Prince of Wales Museum, as the Honorary Director, and Shri A. P. Fondekar, Sr Curatorial Assistant, Prince of Wales Museum as the Curator on Deputation. In order to implement the above project additional staff consisting of an Assistant Curator, Research Assistant, Photographer, as well as some staff in the Technical Labour category will be appointed.

Curator,
Dr. Bhau Daji Lad Museum

Hon. Director
Dr. Bhau Daji Lad Museum.

THE DETAILS REGARDING THE NUMBER OF VISITORS, SALE PROCEEDS OF ADMISSION—TICKETS, TOTAL EXPENDITURE ETC.

| PARTICULARS. | 1986-87. | 1987-88 |
|---|-------------|----------------|
| The Number of days Museum was kept open. | 144 * | 302 * |
| Total Number of visitors | 3,47,063 * | 7,24,003 * |
| Sale proceeds of Admission Tickets. | 1,13,404.00 | 2,24,060.00 |
| Sale proceeds of Museum Guides and Minor Receipts. | 796.50 | 1,070.00 |
| Fees for taking photographs | 1,058.00 | 700.00 |
| Sale proceeds of Scrap, Waste papers etc. | — | — |
| Receipt of grant from the Central Government. | 35,407.00** | — |
| Total expenditure (excluding the amount spend from the grant from the Central Government. | 3,18,210.00 | 3,51,800.00*** |

NOTES :—

* Dr. Bhau Daji Lad Museum was kept closed for the painting purpose from 10-2-86 to 15 10 86.

** The grant of Rs. 31,057/- and Rs. 4,350/- (total Rs. 35,407/-) sanctioned by the Government of India received for the work of Water Proofing the Terrace of the Museum with Bitumen felt and replacing Iron Angle Supports of the cornice of the Museum Building respectively.

*** Expenditure increased due to appointment of additional non-schedule staff.

(A. P. FONDEKAR)
Curator,
Dr. Bhau Daji Lad Museum.

MUNICIPAL SWIMMING POOLS

All the Municipal Swimming Pools in Greater Bombay viz., Mahatma Gandhi Memorial Olympic Swimming Pool at Dadar, Ghatkopar Lions Municipal Swimming Pool at Ghatkopar, Sardar Vallabhbai Patel Municipal Swimming Pool at Kandivali, Municipal Swimming Pool at Mulund Sports Complex, were fully utilised by the public during the year under report. The number of casual swimmers and the regular members are on the increased scale from year to year. Concessional facilities for the school were adequately utilised by schools. Sardar Vallabhbai Patel Municipal Swimming Pool at Knadivli, which was closed since 4-11-1984 is reopened since 15-12-1987.

At Mulund Sports Complex Swimming Pool, only the admissions to the casual swimmers were given.

35th Anniversary of the M. G. M. O. Swimming Pool was observed on 27th April 1987 by holding swimming competitions among the members of all Municipal Swimming Pools.

Sub. Jr. Age Group National was held at Lucknow from 28-6-1987 to 1-7-1987, 3 members were participated. Jr. National Aquatic Championship was held at Madras from 26-8-1987 to 31-8-1987, one member participated. 43rd National Aquatic Championship was held at Jaipur from 27-10-1987 to 1-11-1987, one member participated in the meet.

FINANCIAL

| Swimming Pool | Income | Expenditure |
|--|----------|-------------|
| | Rs. | Rs. |
| 1. M. G. M. O. Swimming Pool, Dadar. | 9,40,123 | 6,78,980* |
| 2. N. O. M. Swimming Pool, Goregaon. | 3,52,218 | 4,08,744 |
| 3. S. V. P. Swimming Pool, Kandivali. | 4,85,000 | 5,23,000 |
| 4. Ghatkopar Lions Municipal Swimming Pool, Ghatkopar. | 5,60,818 | 6,10,942 |
| 5. Mulund S. P. Mulund Sports Complex. | 3,62,322 | 9,74,541 |

† The expenditure in respect of M. G. M. O. S. Pool, shown above is exclusive of following charges :—

- (1) Water supply charges— Rs. 5,591/- per month (approx).
- (2) Establishment cost of Security Guards— Rs. 59,702.96.
- (3) Service charges for the service rendered by —
 - (i) Municipal Analyst.
 - (ii) A. E. Water Works (Maint.) including supply of chlorine cylinders.
 - (iii) A. H. S. G/North.
 - (iv) P. C. O. G/North.

SWIMMERS

| Swimming Pool | New Adm. | Casual Swimmers | School Children | No. of Institutes | Private reservation |
|---|----------|-----------------|-----------------|-------------------|---------------------------|
| 1. M.-G. M. O. S. Pool, Dadar. | 7920 | 3,611 | 4,760 | 25 | 464 Hours Rs. 25,107/- |
| 2. N. O. M. S. Pool, Goregaon. | 778 | 25,546 | 207 | 3 | 3 Hours Rs. 2,290/- |
| 3. S. V. P. Swimming Pool, Kandivli. | 6,646 | 5,000 | 2,804 | 1 | Nil. |
| 4. G. L. M. S. Pool, Ghatkopar. | 2,575 | 91,285 | 1,023 | 6 | 127 Hours Rs. 11,588/- |
| 5. Mulund Swimming Pool, Mulund Sports Complex. | — | — | — | 1 | — |

sd/-

Manager,

M. G. M. O. Swimming Pool.

RAJA DR. BALDEVAS BIRLA KREEDA KENDRA

Raja Dr. Baldevdas Birla Kreeda Kendra, has a multipurpose auditorium, fully Air-conditioned and equipped with normal electrical accessories viz., flood lights, spot lights, solar lights, full set of Loud Speakers with five mikes etc., required for staging dramas or Musical concerts. The auditorium has a seating capacity 625 push back type chairs. The auditorium is rented to various organisations and individuals for staging dramas, Musical entertainments, social functions meeting etc.

Children Hall, Art Gallery and Boat House are also rented for drama rehearsal, meeting and exhibition.

Municipal Departments also arrange their programme at Birla Kreeda Kendra. These included :—

- (a) Inter Departmental Dramatic Competition organised by Labour Department.
- (b) Sports and Guide Meetings of Education Department.
- (c) Prize Distribution functions of Education Department and Health Department.
- (d) Mayors Award and other functions organised by Municipal Secretary, Public Relation Department and Hospitals and Medical Colleges.
- (f) Fare well functions in honour of staff.
- (g) Gathering and other functions of Municipal Medical Colleges and Hospitals.

Birla Kreeda Kendra has a first Grade Restaurant on its premises. It is open to the audience as well as to the public. Terrance Garden is visited by the public for sight seeing. The garden is also rented for marriage reception, lunches and dinners.

During the year under report the Auditorium, Boat House, Children Hall, Art Gallery and Garden were booked as under :—

| | |
|---|---------------|
| (1) Auditorium | 717 Sessions. |
| (2) Boat House | 823 Sessions. |
| (3) Children Hall | 897 Sessions. |
| (4) Art Gallery | 528 Sessions. |
| (5) Garden for Parties, Reception etc. | 310 Sessions. |

The expenditure was restricted to the Budgetary provisions, whereas the programme conducted and the income derived therefrom were more than anticipated figure in the performance Budget.

An amount of Rs. 6,01,587/- was collected by way of revenue and an amount of Rs. 7,30,522/- was expended on salary of staff and other items of maintenance.

Manager,
Birla Kreeda Kendra

WARD OFFICER (REMOVAL OF ENCROACHMENTS)

Functions of Removal of Encroachments Department.

(1) Arranging mass demolition works as and when required to clear up projects sites for construction and training of (1) nallas (2) Sewer lines (3) Water mains (4) Plots under reservations for playground and gardens etc.

(2) Demolition of specific cases in sensitive areas.

(3) Investigation of cases referred to this department by M. C./A.M.C. (W) and submitting detailed and factual reports.

(4) Providing police assistance from Naigaum to different wards by preparing weekly programmes.

(5) Detecting unauthorised constructions on mass scale or individual cases, referring such cases to wards and getting them demolished through ward by providing them police assistance and by follow up.

(6) Investigation and follow up actions of specific complaints received about non action of the ward staff for a considerable long period.

W. O. (Removal of Encroachment)

D. M. C. (Z-IV)

List of demolitions done from April 1987 to December 1987.

| No. | Date | Ward | Demolition carried out. |
|-----|-----------------|------|--|
| 1. | 16th April 1987 | F/S | Demolition of 100 unauthorised huts near municipal power laundry. |
| 2. | 23rd April 1987 | K/W | Demolition of 260 hutments at Junnat Nagar. |
| 3. | 28th April 1987 | K/W | Demolition of 31 structures in Behraum Baug. |
| 4. | 8th May 1987 | K/W | Demolition of 55 structures in Behraum Baug. |
| 5. | 19th May 1987 | A | Removal of encroachments at Nariman Point near N. C. P. A. and Demolition of huts. |
| 6. | 27th May 1987 | P/N | Demolition of 60 unauthorised vacant rooms at Kurar village, Appa pada, Kranti Nagar, Malad. |
| 7. | 5th June 1987 | P/N | Demolition of 100 unauthorised vacant rooms at Appa Pada, Kurar Village, Malad (E). |
| 8. | 12th June 1987 | P/N | Demolition of 226 unauthorised structures behind Liberty garden plot reserved for housing. |
| 9. | 26th June 1987 | D | Removal of encroachments at Malbar Hill on H. E.'s land. |
| 10. | 30th July 1987 | A | Removal of encroachments near Parsi well. |
| 11. | 26th Aug. 1987 | K/E | 134 industrial gallas demolished at Mahakali Caves Road. |
| 12. | 19th Oct. 1987 | P/N | Demolished unauthorised 7 rooms, at Kurar village near Kevni Pada Masjid without notice. |
| 13. | 20th Oct. 1987 | K/E | Demolished unauthorised constructions of 8 rooms at Mahakali. |
| 14. | 3rd Nov. 1987 | L | Demolition of 100 commercial structures opposite Kalpana Talkies at LBS Marg to clear the land for Air Port Authority. |
| 15. | 19th Nov. 1987 | K/W | 63 commercial structures demolished and one Shiv-Sena office demolished. |
| 16. | 26th Nov. 1987 | M/E | 80 commercial structures demolished at Kurlawala compound. |
| 17. | 30th Nov. 1987 | L | Demolition of Janseva Co-Credit Society. Structure constructed by Ram-bachan Yadav, Opp. Shetty Chemicals, Saki-Vihar Road. |
| 18. | 10th Dec. 1987 | G/N | Demolition of 100 residential hutments between trunk, mains from Anchor Block upto portion between Mahim Sion connecting bridge. |
| 19. | 15th Dec. 1987 | F/N | Demolition of 20 unauthorised structures obstructing construction of J. K. Chemical Nallah at Vardaraj Nagar, Antop Hill. |
| 20. | 16th Dec. 1987 | A | Action against hawker (near Parsi well near Veer Nariman Road and demolition of unauthorised structures constructed by Haryana Handlooms. |
| 21. | 17th Dec. 1987 | G/S | Demolition of 120 residential hutments on the footpath of Senapati Bapat Marg. Demolition carried out from Kamgar Krida Kendra to Elphinston Junction. |
| 22. | 24th Dec. 1987 | R/S | Demolition of 24 unauthorised commercial structures at Charkop Ind. Estate, Kandivli (W). |

List of Demolition done from 1-1-1988 to 31-3-1988.

| No. | Date | Ward | Demolition carried out. |
|--|----------------------------|------------|---|
| 1. | 7-1-1988 | P/S | Demolition of 64 unauthorised godowns at Bori Compound and on bank of Nallah. |
| 2. | 12-1-1988 | P/S | Demolition of 450 kuchha structures at cemetery plot and Goregaon-Mulund Link Road and P. G. Plot, Goregaon (East). |
| 3. | 19-1-1988 | G/S | Demolition programme cancelled due to non-availability of police force. Proposed demolition at RTS plot 60, Mahalaxmi. |
| 4. | 21-1-1988 | N | Indira Nagar, 46 unauthorised structures were demolished. Remaining 137 could not be demolished due to political interference from local MLA. |
| 5. | 23-1-1988 | L | Demolition of unauthorised buildings at Kassiwada and demolition of 14 unauthorised shops over the drain. |
| 6. | 29-1-1988 | P/S | Demolition of 100 unauthorised hutments at Yashwant Nagar and 100 unauthorised commercial at Link Road. |
| 7. | 1st, 2nd and 3rd Feb. 1988 | S | Vihar Lake, Phule Nagar and Ramabai Nagar, 1,500 unauthorised huts demolished. |
| Police force not available from 9-2-1988 to 13-2-1988. | | | |
| 8. | 18-2-88 | G/S | Demolition programme cancelled due to injunction brought at RTS 60 plot Mahalaxmi, Dhobi Ghat. |
| 9. | 23rd, Feb. 1988 | M/E | Demolition of 150 unauthorised structures newly constructed at Nirankari-baba Nagar. |
| 10. | 24th Feb. | M/E | Demolition of 200 unauthorised structures at Lotus Colony. |
| 11. | 27th Feb. 1988 | A | Demolition of 98 unauthorised constructions at manish Market. |
| 12. | 2nd March 1988 | C | Demolition of 100 unauthorised structures in municipal passages and action against unauthorised encroachers on Shaikh Memon Street. |
| 13. | 5th March 1988 | H/E | Demolition of two unauthorised vacant rooms and 1st floor and extensions at Jamli Pada and Kalina area. |
| 14. | 8th March 1988 | M/E | Demolition of 150 unauthorised structures at plot No. 50 at Shivaji Nagar. |
| 15. | 10th March 1988 | M/E | Demolition of 400 unauthorised structures at proposed bulldozer garage plot opposite Deonar dumping ground. |
| 16. | 12th March 1988 | P/S | Demolition of 23 unauthorised 1st floor at squatter colony at Goregaon (East). |
| Police help not available from 14th to 18th March 1988. | | | |
| 17. | 14-3-1988 | M/W | Demolition programme was cancelled due to non-availability of police |
| 18. | 19-3-1988 | M/W | of police help. |
| 19. | 24-3-1988 | R/N R/S | Demolition of 2 unauthorised rooms at Yadav Mhatre chawl and demolition of 26 room foundation and 1st floor at Dahisar Gaothan in R/North and demolition of 2 party offices in R/N Ward, and 3 party office in R/S. |
| 20. | 26-3-1988 | M/W | Eviction action at Ghatla Municipal Colony, 43 unauthorised occupants were evicted. |

A. E. R. E.
2-5-1988

D. M. C. (Z-IV)