



**ADMINISTRATION
REPORT**
OF THE
MUNICIPAL COMMISSIONER
FOR
GREATER BOMBAY

1988 - 89

CITY, SUBURBS AND EXTENDED SUBURBS

MUNICIPAL PRINTING PRESS
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FOREWORD

As required under Section 124 of the B. M. C. Act, I place the Administration report for the year 1988-89 before the Corporation. The report highlights the progress of the activities carried out and services rendered by various Civic Departments during the year 1988-89.

Due to increased activities at Municipal Hospitals and schools, Expansion Schemes of Hospitals and Schools were undertaken during 1988-89. Major repairs to some Municipal Hospitals and School Buildings were also undertaken. For carrying out water proofing works, area-wise annual water proofing contractors were appointed on the basis of annual Petty Works contractors as suggested by the members of the Standing Committee.

The Slum Improvement Cell has undertaken the work of providing basic amenities to slum dwellers under the Environmental Improvement Scheme as per the detailed programme supplied by B.H.A.D., Board. Slum Upgradation and Community Welfare Activities were also undertaken under the Bombay Urban Development Project.

The Environmental Sanitation and Projects Wing of the Corporation was engaged in abatement of Air, Water and Noise Pollution by various industries.

The finalised Draft Revised Development Plan submitted by the Corporation is under the consideration of the State Government.

Road maintenance work was restricted to attending bad patches and practically no new road works were taken in hand.

Private firms were entrusted with the development of traffic islands and provision of road safety dividers. Work of improvement of street lighting by providing Sodium Vapour lamps was taken up and some portions of arterial roads and fly overs in the city were provided with such lighting.

Certain works of providing and laying of storm water drains and construction of roads were taken up under the Prime Minister's Grant Project. Construction of storm water drains and roads was also undertaken under the Bombay Urban Development Project at sites being developed by MHADA for housing the low income groups and economically weaker sections.

The Solid Waste Management Department was engaged in sweeping, collection and disposal of garbage and removal of debris due to road excavation and building repairs.

The Department is also implementing LOGFAS Component of BUDP-I assisted by the World Bank through BMRDA. Under this project, it is proposed to procure equipments such as compactors, dumpers and excavators. The mechanised refuse Transfer Station which was proposed under this project is now dropped it is proposed to purchase 30 compactors and increase the capacity of the present refuse Transfer Station at Mahalaxmi from 180 tonnes to 500 tonnes per day by carrying out civil works and procuring 15 bulk carriage vehicles.

Preliminary works of Bombay-III Water Supply Projects were in progress. The project aims at bringing an additional 455 MLD of water to Greater Bombay which will help narrowing the gap between demand and supply of water from 36% to 18%.

Works under Bombay-II Sewerage Project amounting to Rs. 461 crores (as revised in November, 1988) were in progress including pumping and disposal works amounting to Rs. 166.38 crores and mechanical and electrical works amounting to Rs. 55.36 crores.

The Civic Training Institute and Research Centre organised and conducted training programmes in Technical, Administrative, Financial and Management areas related to Municipal Service Disciplines for all levels of civic employees. In addition to this Systems Studies were also carried out.

As regards health situation in Greater Bombay, the birth and death rates for 1987 were 22.2 and 7.3 respectively. The infant mortality rate for 1000 live births was 56.3, while the maternal mortality rate was 0.5. During the year 1987, 2,19,991 births and 72,759 deaths were registered. Out of the 21 notifiable diseases, sporadic cases of infective hepatitis and meningococcal meningitis were reported. However, there were no epidemics during the year.

The Indian Population Project V has been undertaken by the Public Health Department with assistance of the World Bank. The project is for strengthening and expansion of preventive and promotive health care services with a special emphasis on family Welfare, Maternal and Child Health Services.

The Assessment and Collection Department, a major revenue earning department of the Corporation collected Rs. 262.08 Crores towards property taxes including Government taxes and Rs. 318.06 crores towards octroi. The total collection made during 1988-89 was Rs. 580.14 crores which was Rs. 77.27 crores more than the previous year's collection of Rs. 502.87 crores.

Sd/-
Chief Engineer (CTIRC)

Sd/-
D. M. C. (P)

Sd/-
Municipal Commissioner.

GENERAL

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

CORPORATION

Shri Chandrakant Padwal, who was elected the Mayor at the Meeting of the Corporation held on 6th April 1988 held that Office throughout the year.

2. 130 Meetings of the Corporation, 88 Meetings of the Special Committees and 2 Meetings of the Consultative Committee were held during the year 1988-89.

3. The Corporation have not accorded any Civic Reception during the year.

STANDING COMMITTEE

Shri D. N. Raote, who was elected Chairman of the Standing Committee at their Meeting held on 8th April 1988, held that office throughout the year.

Shri D. B. Gawde, was an *ex-officio* Member of the Standing Committee on his appointment as the Chairman of the Education Committee with effect from 7th April 1988.

193 Meetings, including regular and adjourned Meetings and Adjourned Special Meetings were held during the year. 3 Meetings of the Sub-Committee were held during the year.

IMPROVEMENTS COMMITTEE

Shri S. M. Sawant, who was elected Chairman, of the Improvements Committee at their Meeting held on 29th April 1988, held that office throughout the year.

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

34 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 D. B. Gawde, who was elected Chairman of the Education Committee at their Meeting held on 7th April 1988, held that office through the year.

No change took place in the composition of the Education Committee during the year. 23 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

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

Shri S. J. Chube was appointed as Municipal Secretary with effect from 2nd September 1988 *vice* Shri F. M. Kazi retired.

No circumstances arise 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 1988-89, so as this department is concerned.

**LIST OF THE COUNCILLORS WHO HELD OFFICE AS ON
31st MARCH 1989.**

Shri C. S. Padwal, Mayor.

Shri D. N. Raote, Chairman, Standing Committee.

Shri S. M. Sawant, Chairman, Improvements Committee.

Shri D. B. Gawde, Chairman, Education Committee.

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

**Ansari, Shri N. M.
Ansari, Shri M. J.
Avachat, Shri V. V.
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.
Gite, Shri A. G.
Gujar, Shri D. D.
Gurav, Shri B. R.
Ghediya, Shri V. P.
Ghoslkar, Shri V. R.
Chavan, Shri R. K.
Chavan, Shri S. S.
Choube, Shri T. V.
Chouhan, Shri B. A.
Chouhan, Shri Lalsingh
Zaveri, 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 M. P.
Parab, Shri J. M.
Pawar, Shri N. B.
Pawar, Shri M. L.
Pawar, Shri R. D.
Pandit, Shri A. G.
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
Prabhoo, Dr. R. Y.
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 N. P.
Motorwala, Shri S. Z. A.
More, Shri M. M.
More, Shri V. B.
Mhatre, Shri P. A.
Yadav, Shri S. B.
Raut, Shri M. M.
Raut, Shri V. B.
Raginwar, Shri R. W.
Rane, Shri S. T.
Rane, Shri N. T.
Rambhiya, Kum. Sushila K.
Laud, Shri R. P.
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.
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.

**LIST OF COUNCILLORS WHO HELD OFFICE AS ON 31ST MARCH 1989.
STANDING COMMITTEE
(1988-89)**

1) Shri D. N. Raote (*Chairman*)

- | | |
|----------------------------|--------------------------|
| 2) Ankleswaria, Shri R. C. | 10) Gambhir, Shri S. A. |
| 3) Naik, Shri S. D. | 11) Mayekar, Shri R. S. |
| 4) Korgaonkar, Shri S. G. | 12) *Gawade, Shri D. B. |
| 5) Nayak, Shri Ramdas | 13) Raginwar, Shri R. W. |
| 6) Kohli, Shri S. J. | 14) Gite, Shri A. G. |
| 7) Boudhankar, Dr. R. N. | 15) Vanu, Shri N. A. |
| 8) Kolambkar, Shri K. N. | 16) DHulla, Shri K. C. |
| 9) Bhujbal, Shri C. C. | 17) Vyas, Shri V. S. |

*Ex-Officio Member.

**LIST OF COUNCILLORS WHO HELD OFFICE AS ON 31ST MARCH 1989.
IMPROVEMENTS COMMITTEE
(1988-89)**

Shri S. M. Sawant (*Chairman*)

- | | |
|-------------------------|------------------------|
| 2) Shri V. V. Avachat | 10) Shri B. N. Pandye |
| 3) Shri P. R. Kadam | 11) Shri R. S. Mayekar |
| 4) Shri R. M. Keny | 12) Shri P. U. Mehta |
| 5) Shri Ramesh G. Joshi | 13) Shri V. B. Raut |
| 6) Shri D. G. Zarapkar | 14) Shri G. G. Shirke |
| 7) Shri S. R. Deshpande | 15) Shri T. S. Sardar |
| 8) Shri U. P. Doshi | 16) Shri N. T. Satam. |
| 9) Shri B. H. Patil | |

**LIST OF COUNCILLORS WHO HELD OFFICE AS ON 31ST MARCH 1989.
EDUCATION COMMITTEE
(1988-89)**

1) Shri D. B. Gawde (*Chairman*)

- | | |
|-------------------------|---|
| 2) Shri O. P. Andrade | 10) Shri S. M. Narvekar |
| 3) Shri K. B. Jadhav | 11) Shri A. G. Pandit |
| 4) Shri S. A. Zakaria | 12) Shri Mohammed Ebrahim Mohammed
Hussein Belif |
| 5) Shri G. S. Thakare | 13) Shri M. D. Lotlikar |
| 6) Shri V. M. Daruwala | 14) Shri G. D. Vartak |
| 7) *Shri V. D. Dode | 15) Smt. P. M. Wagle |
| 8) Shri D. P. Naik | 16) *Shri N. R. Sahasrabudhe. |
| 9) *Shri B. L. Nagvekar | |

* Non-Councillor Members of the Committee.

**LIST OF COUNCILLOR WHO HELD OFFICE AS ON 31ST MARCH 1989.
TREE AUTHORITY
(1988-89)**

1) Shri Chandrakant Padwal (*Chairman*)

- | | |
|------------------------|---------------------------------|
| 2) Shri A. H. Ankola | 11) Shri Shaikh Z. A. Motorwala |
| 3) *Shri Manohar Joshi | 12) Shri S. B. Yadav |
| 4) Shri K. T. Thapa | 13) Shri R. V. Raginwar |
| 5) Shri V. M. Daruwala | 14) Shri N. T. Rane |
| 6) Smt. Alka Desai | 15) Shri C. C. Sharma |
| 7) Shri K. S. Pednekar | 16) *Shri S. L. Shah |
| 8) Shri A. R. Britto | 17) *Shri S. V. Sampat |
| 9) Shri S. M. Matreja | 18) Shri M. J. Hegde |
| 10) Shri S. M. Mishra | |

*Non-Councillor Co-opted Member of the Committee.

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 116 years, the basic framework 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 1,01,85,300 Citizens by employing a work force of about 1,42,000 with budgetary outlay of Rs. 1063.45 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 four functional Dy. Municipal Commissioners who head certain departments dealing with specialised subjects, like Water Supply & Sewerage, Development Plan of the City, Personnel Administration etc. One of the functional Dy. Municipal Commissioners is designated as the Director (Engineering Services and Projects).

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

The Present Municipal Corporation came into office after the eighth Municipal General Elections in April, 1985, from 10th May, 1985, with an added strength of 30 Councillors, raising the number of Councillors to 170.

The basic philosophy in framing this legislation, 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, Pherozeshah Mehta, Lord Reay, Mr. Forbes Adam and other eminent jurists. As Shri K. T. Telang expressed, the philosophy of this statute "My beau 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 this 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 can 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, 1989.

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 K. M. Mehta	W. O. 'C' Ward. I/c	
4.	Shri V. Balchandran.	Sr. W. O. 'D' Ward.	
5.	Shri C. K. Ghone.	W. O. 'E' Ward.	
6.	Shri D. R. Gujarathi	W. O. 'F/N' Ward.	
7.	Shri V. B. Pawar.	W. O. 'F/S' Ward.	
8.	Shri M. C. Gandhi.	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 D. D. Jadhav.	W. O. 'R/N' Ward.	
21.	Shri S. B. Muthalia.	Sr. W. O. 'R/S' Ward.	
22.	Shri V. T. Davare.	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. (Removal of Encroachment).	
29.	Shri S. T. Todsam.	W. O. (Mayor)	

MUNICIPAL CORPORATION OF GREATER BOMBAY.

Executive and Administrative Officers in Municipal Commissioner's Office as on 31-03-1989.

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. Tinaikar, I.A.S.	M. A. (Bombay)	01-04-1988	31-03-1989	
2.	Additional Municipal Commissioner.	Shri A. M. Warty, I.A.S.	B.Sc.	01-04-1988	09-05-1988	(1) Repatriated to Government of Maharashtra from 10-5-1988. (2) On deputation to Washington U.S.A. to participate in the negotiations with the World Bank on IPP—V—a Health Project from 2-5-1988 to 9-5-1988.
		Shri A. K. Mago, I.A.S.	I.A.S.	10-05-1988	30-09-1988	Repatriated to Government of Maharashtra from 1-10-1988.
		Shri G. V. Gokhale, I.A.S.	B.Sc. A.M.I.S.	01-10-1988	31-03-1989	
3.	Additional Municipal Commissioner.	Shri Venkat Chary, I.A.S.	M.Com., LL.B.	01-04-1988	31-03-1989	
4.	Director (Engineering Services & Projects)	Shri P. M. Kale.	B. E. (Civil) A.M.I.E.	01-04-1988	31-03-1989	
5.	Dy. Municipal Commissioner (Personnel)	Shri P. D. Karandikar, I.A.S.	M. A. (Spl.) & Diploma in Industrial & Business Management.	01-04-1988	30-11-1988	On deputation to U. K. for training for one year duration under Colombo Plan from 7-10-87. Repatriated to Govt. of Maharashtra from 1-12-1988.
		Shri V. D. Vaidya	B.A. (Spl.) M. Com.	01-04-1988	30-09-1988	Retired from Municipal service from 1-10-88.
		Shri A. B. Maduskar	M. Com. (Bombay)	01-12-1988	31-03-1989	---
6.	Dy. Municipal Commissioner (Improvements)	Shri P. P. Kamdar	B.A. (Spl.) B.Com., LL.B.	01-04-1988	31-03-1989	
7.	Dy. Municipal Commissioner (Special Engineering).	Shri V. G. Savant	B.E. (Civil)	01-04-1988	31-03-1989	---
8.	Dy Municipal Commissioner (Enineeging)	Shri R. G. Deshpande	B.E. (Civil), M.E.(P.H.) A.M.I.E., M.I.W.W.A.	01-04-1988	31-03-1989	
9.	Dy. Municipal Commissioner (Zone-I)	Shri S. R. Dange	B.A.	01-04-1988	31-03-1989	...
10.	Dy. Municipal Commissioner (Zone—II)	Shri A. B. Maduskar	M. Com. (Bombay)	01-04-1988	31-09-1988	Appointed as D. M. C. (P) from 1-12-1988.
11.	Dy. Municipal Commissioner (Zone—III)	Shri V. W. Joshi	M. Com. L.G.S. Diploma.	01-04-1988	31-03-1989	---
12.	Dy. Municipal Commissioner (Zone-IV)	Shri G. R. Khairnar	B.Com.	01-04-1988	31-03-1989	---
13.	Dy. Municipal Commissioner (Zone-V)	Shri D. C. Desai	B. Sc. (Agri) Distn. LLB	01-04-1988	31-03-1989	---

BRIHANMUMBAI MAHANAGARPALIKA

Other Heads of the Department during the period from 1-4-1988 to 31-3-1989.

Sr. No.	Designation	Name of the Officer	Qualification	Period		Remarks
				From	To	
1.	Dy. Chief Accountant (personnel)	Shri V. S. Palekar	M.A. L.G.S. Diploma	01-04-1988	31-03-1989	---
2.	Dy. City Engineer (Vigilance)	Shri A. D. Mandlik	B.E. (Civil)	01-04-1988	31-03-1989	---
3.	Dy. City Engineer (Stores Vig.)	Shri D. R. Krishnaswamy	B. E.	13-06-1988	31-03-1989	---
4.	Ex. Engineer (M & E)	Shri V. N. Rajas	B. E. (Electrical)	01-03-1989	31-03-1989	---
5.	Personnel Officer	Shri V. S. Nadkerni	B. A. (Hons) L.L.B. (Gen.)	01-04-1988	31-03-1989	---
6.	Dy. Personnel Officer (Backward Class Cell)	Shri W. S. Owl	B. A. (Spl.)	01-04-1988	30-03-1989	---
7.	Dy. Personnel Officer (General)	Shri V. S. Gokhale	B. A. (Spl.) L.S.G.D.L.L.B.	01-04-1988	31-12-1988	Retired from Municipal Service from 1-1-1989
8.	Dy. Personnel Officer (Est.)	Shri P. B. Adhikari	S. S. C., L. S. G. D.	16-02-1989	31-03-1989	---
9.	Personal Secretary to the Municipal Commissioner	Shri P. V. Maishe Shri R. V. Joshi	M. A. (Hons) B. A., L.S.G.D. L. G. S.	01-04-1988 01-01-1989	30-11-1988 31-03-1989	Retired from Municipal Service from 1-12-1988.
10.	Personal Secretary to the Additional Municipal Commissioner (V)	Shri P. V. Deodhar Shri A. K. Sensare Shri S. P. Dhamaie	Inter Com., L. G. S. ---	01-04-1988 02-01-1989 01-03-1989	31-03-1989 28-03-1989 31-03-1989	Appointed during the leave period of Shri P. V. Deodhar and retired from Municipal Service from 1-3-1989.
11.	Personal Secretary to the Additional Municipal Commissioner (G)	Shri R. T. Waghmare	B. A. (Hons) L.L.B. L.S.G.D., L.G.S.	01-04-1988	31-03-1989	---
12.	Administrative Officer (Committee)	Shri. V. R. More	S. S. C., L. S. G. D., L.G.S.	01-04-1988	31-03-1989	---
13.	Administrative Officer to D. M. C. (Z-I)'s office	Shri S. S. Mahadalkar Shri P. S. Chitale Shri J. K. Nijai	B. A., L. G. S. Diploma S.S.C.	01-04-1988 02-06-1988 09-01-1989	31-05-1988 09-12-1988 16-01-1989	Transferred to M. C.'s office from 10-12-1988 as A. O. (Complaints). Transferred to M.S.G.T.B. from 17-1-1989.
14.	Administrative Officer to D. M. C. (Z-II)'s office	Shri H. T. Kote Shri S. G. Kurte	Inter Mediate B. A.	16-01-1989 01-04-1988	31-03-1989 31-03-1989	Appointed from 16-1-1989.
15.	Administrative Officer to D.M.C. (Z-III)'s office	Shri P. B. Adhikari Shri V. S. Joshi Shri K. K. Sinker Shri M. A. Joshi	S. S. C., L. S. G. D. L. G. S. S.S.C. B. A., L. G. S. B.A. (Spl.) L.L.B., L.G.S.	01-04-1988 01-05-1988 09-05-1988 11-07-1988	30-04-1988 10-07-1988 31-05-1988 31-03-1989	Transferred as Estt. Officer from 1-5-1988. On leave from 9-5-1988 to 31-5-1988 & transferred to D. M. C. (Z-V) from 11-7-1988. Appointed during the leave period of Shri V. S. Joshi & transferred as A. O. (M. C.) from 1-6-1988.
16.	Administrative Officer to D. M. C. (Z-IV)'s office	Shri A. V. Edvenkar	B. A.	01-04-1988	31-3-1989	---
17.	Administrative Officer to D. M. C. (Z-V)'s office.	Shri M. A. Joshi V. S. Joshi	B. A., L.L.B., L.G.S., S.S.C.	01-04-1988 11-7-1988	10-07-1988 31-3-1989	Transferred to D. M. C. (Z-II)'s office from 11-07-1988.
18.	Administrative Officer (Removal of Encroachments).	Smt. S. S. Gondhalekar Shri G. S. Kochharaker	B. A. F. Y. (Arts) L.S. G.D., L.G.S.	01-04-1988 16-12-1988	14-12-1988 31-03-1989	Relieved & directed to M. S. G. T. B. Hospital from 16-12-1988.

Sr. No.	Designation	Name of the Officer	Qualification	Period		Remarks
				From	To	
19.	Administrative Officer to to M. C.'s office	Shri K. K. Sinkar	B.A., L.G.S.	01-04-1988	08-05-1988	Transferred to D.M.C. (Z-III)'s office in place of Shri V. S. Joshi during the leave period 9-5-88 to 31-5-88.
		Shri P. K. Shringarpure	Matric.,L.S.G.D., L.G.S.	09-5-1988	31-5-1988	
20.	Administrative Officer to D. M. C. (P).	Smt. K. K. Sinkar	B.A., L.G.S.	01-06-1988	31-03-1989	...
		Shri P. S. Chitale	S.S.C.	01-04-1988	01-06-1988	Transferred to A. O. to D.M.C. (Z-II)'s office from 2-6-1988.
		Shri S. P. Dhamale	B.A. (Hons.), LL.B.	08-06-1988	28-08-1988	Transferred to A. O. (P) from 29-8-1988
		Smt. V. B. Bavdekar	B. Sc.	01-03-1989	31-03-1989	...
21	Administrative Officer (Marathi)	Shri B. P. Desai	B.A. (Spl.), L. G. S.	01-04-1988	31-03-1989	...
22.	Chief Complaints Officer	Shri Y. B. Bagav	S.S.C., L.S.G.D.	01-04-1988	31-06-1988	Retired from Municipal Service from 1-7-1988.
23.	A. O. (Complaints)	Shri S. B. Khatib	S.S.C., G.C.D.,	01-08-1988	29-08-1988	...
		Shri P. S. Chitale	L.G.S.	10-12-1988	31-3-1989	...
24.	A. O. to D. M. C. (I)	Shri S. B. Khatib	S.S.D.,G.C.D., L.S.G.D.,L.G.S.	27-04-1988	31-07-1988	Transferred to L. T. M. G. Hospital.
		Shri. S. S. Mahaddalkar	S.S.C., B.A. L.G.S.	01-06-1988	31-03-1989	Appointed during the leave period of Shri S. B. Khatib & on resumption and on transfer of Shri S. B. Khatib from 1-8-88 and continued in the same capacity.
25.	A. O. (Hospitals)	Smt. V. B. Bavdekar	B.Sc.	01-04-1988	28-02-1989	Transferred to D.M.C.(P)'s office as A.O.(P).
		Smt. S. S. Gondhalekar.	B.A.	01-03-1989	31-03-1989	
26.	A. O.(P).	Shri. V. S. Joshi.	S. S. C.	01-04-1988	30-04-1988	Transferred to D.M.C. (Z-III) from 1-5-1988.
		Shri P. B. Adhikari	S.S.C., L.S.G.D.	18-06-1988	11-08-1988	Transferred as Estt. Officer from 12-8-1989.
		Shri S. P. Dhamale	B.A. (Hons.) LL.B.	29-08-1988	28-02-1989	Transfered as P. S. to A. M. C. (V) from 1-3-1989.
27.	A. O. (Exam.)	Shri P. K. Shringarpure	Matric.,L.S.G.D., L.G.S.	01-04-1988	31-03-1989	...
28.	W. O. (Mayor)	Shri S. T. Todsam	B. Com.	01-05-1988	31-03-1989	...

DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS (INCLUDING ORGANISATION AND METHODS DIVISION OF MUNICIPAL COMMISSIONER'S OFFICE).

The Department of Personnel and Administrative Reforms comprises of Personnel Department, Labour Department, Establishment Sections of C. A. and A. C. A.'s Departments, B. C. Cell, R. G. Cell, Establishment Sections in M. C.'s Office dealing with personnel matters, Marathi Section and O. & M. Section, etc.

The main functions expected to be carried out by D. P. A. R. are; (i) to effectively control and provide policy frame work and set of rules and procedures in all personnel matters; (ii) to ensure that the policies and procedures are implemented uniformly at various decentralised levels; (iii) to motivate the employees with a view to increasing productivity and making the administration more public oriented and (iv) to strive to make continuous appraisal of existing procedures and methods.

The process of streamlining the existing system has already begun with —

(1) Standardisation of qualifications for various posts of similar nomenclature and methods and recruitment.

(2) Formation of Committees at appropriate levels to consider the matters eg. promotions, continuation in Municipal Service beyond 55 years, redressal of grievances of employees at various levels, establishing panels for recruitment and selection of staff, change in the date of births, proposals for P. T. cases.

(3) Revision of recruitment rules as required under the constitution and reservations for Backward Classes, sportsmen, handicapped persons and ex-servicemen in employment.

(4) A regular programme for meeting at fixed intervals with (i) Officers dealing with Personnel matters in all departments for implementation of Personnel policies, and (ii) representatives of the recognised unions to settle disputes of general nature.

Booklet containing recruitment rules prescribed for various posts, the grades of which are less than Rs. 1,200/- is prepared and circulated to various departments.

A post of O. & M. O. on M. C.'s office establishment has been filled in. O. & M. O. (M. C.) and his staff have been carrying out drafter inspection in the departments and in the ward offices. At the time of drafter inspections late attendance of the staff is marked on the muster, their out-door entry books are checked and the reports are submitted to D.M.C(P)/M.C.

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 2978 as detailed in the accompanying statement as against 2363 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	55	28	6	6	14	1	8	3	10	80	10	221
B	146	60	41	1	51	5	...	4	4	18	11	341
C	42	79	7	4	28	3	4	6	3	12	9	197
D	91	88	11	11	37	9	4	12	7	58	7	385
E	41	39	12	9	17	2	8	6	11	45	31	221
F/South	19	27	1	5	3	1	...	5	8	32	19	120
F/North	33	15	9	8	22	3	2	9	1	61	17	180
G/South	41	25	3	7	10	3	2	5	12	37	27	172
G/North	44	34	5	14	16	3	6	12	6	55	11	206
H/East	5	7	2	3	1	...	...	9	...	19	4	50
H/West	14	18	6	4	9	3	6	8	3	39	21	131
K/East	7	17	6	3	1	1	1	15	9	50	10	120
K/West	20	16	4	2	6	2	3	15	3	42	5	118
L	14	28	6	1	4	2	...	4	7	16	3	85
M/East	2	5	1	1	2	...	1	2	4	4	1	23
M/West	11	5	5	2	2	2	3	9	4	20	2	65
N	7	9	5	2	2	1	1	4	6	27	5	69
P/South	5	9	2	...	2	...	...	5	4	17	4	48
P/North	2	10	...	1	2	2	1	3	7	15	2	45
R/South	...	1	2	1	1	...	1	3	6	14	2	31
R/North	...	9	...	1	...	...	2	2	...	20	2	36
S	1	21	4	3	2	...	2	3	6	19	1	62
T	4	9	1	3	1	2	1	5	1	24	1	52
TOTAL :	604	559	139	92	233	45	56	149	122	724	255	2978

Complaints Officer
(Central Control Room)
'B' WARD.

(N. N. Puppalwar)
WARD OFFICER 'B' WARD.

PUBLIC RELATIONS DEPARTMENT

Shri J. B. Mahajan, M.A., LL.B., was Public Relations Officer and Editor, Brihan Mumbai Mahanagarपालिका Patrika, during the year 1988-89.

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 802 press notes and nine 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 1988-89, Municipal Commissioner's five press meets for briefing the press on important issues were arranged. Seven 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 250 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 1989 consisting of diary, useful civic information with eight colour photographs was brought out in addition to a list of Municipal Councillors and Officers as a regular publication. The department also extended co-operation to the Municipal Secretary in bringing out multi-colour Municipal Year Book, 1988-89. 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 suburbs as a part of it, 260 film shows on health education, civic sense etc. were organised during 1988-89.

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 76 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 to them hospitality by way of making their arrangement for stay and sight-seeing arrangements. Director, Housing Department & Programme Manager of Finland, Asstt. Director, Programme Co-ordinator & Councillor from Yokohama & members of Sarkaria Commission were among the prominent dignitaries among the visitors.

This department has also organised a health exhibition of Mount Mary Fair, Bandra and at other places in co-operation with and with the help of social, educational and charitable institutions.

Shree Ganesh Gowrav Puraskar Competitions were organised for the first time during this year by this department. Besides this the Department also assisted the Municipal Secretary in organising the annual "Clean Mumbai, Green Mumbai" Competitions so also the open tournaments in Kho-Kho, Wrestling etc., for the Mayor's Shield. This department also extended co-operation to the State-Government during the visits of President, Vice-President and the Prime Minister of India. The department also assisted the State Govt. in organising Apna Utsav in January 1989 and French Festival in February 1989 in this city. Similarly due publicity was given to various 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, Flag 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 Mahanagarपालिका Patrika during the year 1988-89.

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 in the monthly issues of the Patrika for giving information to the readers about the multifarious activities undertaken by the Corporation for their welfare.

The Centenary of the Bombay Municipal Corporation Act 1888 was a very important topic in the life of Municipal Corporation of Greater Bombay to which wide coverage was given in Patrika by bringing out a special bumper issues in the month of September 1988 Articles on various aspects of the Act were obtained from the experts and included in this issue. It has proved to be a preserving document to all the concerned. Shri Ganesh Gaurav Puraskar 1988 was one another important event to which wide coverage was given in the issue of December 1988. A two page colour pull was also printed on the prize winning Ganesh idols.

A seventeen day APANA UTSAV Festival observed in Bombay from 7th January to 23rd January 1989 Jointly by Government of India and Government of Maharashtra. The Municipal Corporation of Greater Bombay was also associated with the festival. Hence, the coverage to this important event was given in the January 1989 issue of the Patrika. The grand heteck show known as "French Encounter" presented at Girgaum Chaupatty as a part of yearlong Festivale of France in India, on 3rd February 1989 has also been given coverage in the Patrika.

Other events which were given due publicity in the Patrika included the annual elections of the Mayor and the Chairman of the statutory and special committees, Annual Budget of Municipal Corporation, celebration of world Health Day, Celebration of Shivaji Jayanti, presentation of Nurses' Awards, mass immunization campaigns, Republic Day and Maharashtra Day Celebration, Clean Bombay-Green Bombay Drive, inauguration functions of important civic projects, Balakotsav of school children etc. The special articles and write ups obtained from various Heads of the Departments on the activities of civic services were also included in the issues of the year under consideration.

Names of the Officers who held the post during the year i.e. from 1-4-88 to 31-3-89.

Sr. No.	Designation.	Name of the Officer	Qualifications	Period of leave from 1-4-88 to 31-3-89.	Remarks, if any.
1.	Public Relations Officer.	Shri J. B. Mahajan	M.A.L.L.B.	...	...
2.	Deputy Public Relations Officer.	Shri S. G. Ingole.	B.A.	15-6-88 to 14-7-88.	30 days E. L., w.b./o. L.T.A. of Rs. 2,900/- & 30 days encashment of leave. Shri D. B. Shivjatak, Asstt. P.R.O. was asked to look after the urgent work of Dy. P.R.O.
				21-10-88 to 22-10-1988.	2 days E.L.
				6-12-88 to 8-12-88	3 days E.L.
				23-1-89 to 15-2-89	24 days continued leave.
3.	—Do.—	Shri D. B. Shivjatak.	B.A.	9-5-88 to 21-5-88	He has been asked to look after the duties of Dy. P. R. of Shri R. N. Sansgiry who retired from 1-4-88, appointed as Dy. P.R.O. w.e. 1-12-88.
				for 13 days E.L. w.b./o. L.T.A. of Rs. 2,100/-.	

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 (Personnel) 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 the 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 1988 and six monthly report upto the period ending 30th June 1988 have been submitted to the Government and Corporation respectively.

During the year under report, 410 proposals involving the question of reservation were scrutinised by this cell.

30 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. It may be mentioned here that as per the demand of Bhatke Vimukta Youth Front's Secretary, a Head Clerk from C. A.'s Department belonging to D. T./N. T. community is appointed as a member on the aforesaid panel to ensure the reservation of D. T./N. T. communities.

The detail report on the recommendations made by Scheduled Caste Welfare Committee (a legislative committee of Assembly of Maharashtra) has already been submitted to the Government on 7th March 1989 under No. MBC/8097.

During the period under report, a circular under No. MBC/8380 of 14-3-1989 is issued to all the Heads of Department/Ward Officers to give the deemed promotions to the B. C. employees who have not been promoted on their due dates of promotions on the basis of reservation as per Supreme Court orders.

As per Government instructions, the necessary steps have been taken on implementation of the reservation policy effectively in order to wipe out the huge backlog of B. Cs. in the Corporation. In the 1st phase of above action, all the Heads of Department/Ward Officers are instructed by issuing a circular under No. MBC/8187 of 10-2-1989 to wipe out the backlog in the entry posts. Before entering into 2nd phase, it was decided to discuss the issue on Government level and the same is in process.

As per Government instructions regarding upliftment of the Sweepers, the necessary steps have been taken to give the Sanitary Inspectors' course to the sons of the sweepers working in Conservancy Department of this Corporation. The expenses of which are borne by the Corporation.

As regards making provision of 5% balance amount of total Budget after meeting total expenses of the Corporation for upliftment of the Backward Classes. The Government had been informed the inability to make such provision in the Budget on account of Corporations' deficit Budget. However, Government had further informed regarding making separate Annexure in Budget Account on the schemes/projects on which Corporation spends considerable amount every year for the Welfare of the Backward Class Communities. Before taking action on keeping the separate account for this purpose, it is necessary to identify the schemes/projects which are implemented for the welfare of the B. C. communities. The work of identification of such schemes is in process. On finalisation of the same, a detail report will be send to the Government.

Dy. Personnel Officer
(Backward Class Cell)

LABOUR DEPARTMENT

High lights :—

(1) Expenditure—	
(i) Establishment	— Rs. 14,57,667.06
(ii) Other than Estt.	— Rs. 9,21,265.72
(2) Recognised Unions	— 46
(3) Joint Councils	— 02
(4) Welfare Centres	— 51
(5) Nurseries	— 08
(6) Grievances attended	— 24,317
(7) Average daily attendances of Welfare Centres	
(i) Adults	— 5,900
(ii) Children	— 6,200

Trade Unions :—

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

(A) Industrial Relations :—

With a view to promote harmonious and cordial relations, this department has to perform the following duties :—

1. To study and understand the point of view of Labour in order to help the Administration to shape and formulate labour policy and to interpret these policies to the workers in the language they can understand.
2. To Watch Industrial Relations with a view to using influence to prevent dispute arising between management and workers.
3. To advise workers against going on illegal strikes and to advise the Administration against declaring strikes as illegal and to help in preventing antisocial activities.
4. To establish contacts and hold negotiations with a view to maintain harmonious relations between administration and unions.
5. To bring to the notice of the administration the grievances of the workers, individual as well as collective with a view to securing their expeditious redressal.
6. To advise and assist the Administration for making provisions for amenities such as canteen, drinking water, medical aid etc.
7. To advise the Administration on questions relating to training of new entrants, Apprentices etc.
8. To bring to the notice of the Workers their rights and liabilities under Standing Orders and other rules which grant rights to the Workers.

Grievance Procedure :—

The periodical meetings of the Grievance Committee at Unit Level, Zonal Level, Apex Level were arranged at different Wards and Department to settle the labour problems of all the Departments and Wards as well as individual grievances of the employees.

Individual Grievances :—

The individual grievances from the individual employees or 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) Holiday policy, payment of cash allowance in lieu of various articles.
- (5) Delay in Payment of wages (Wages of leave, Overtime, Leave Travel Assistance etc.) and Allowances.
- (6) Delay in settlement of Provident Fund claims and other retirement benefits.
- (7) Non-supply of equipments and uniforms.
- (8) Delay in sanctioning leave due.
- (9) House Rent, accommodation and transfers of quarters.
- (10) P. T. employment.

Individual/Industrial Disputes :—

During the year under report, 4 disputes were referred to Industrial Tribunal, (Appendix 'B') and 25 disputes were referred to Asstt. Commissioner of Labour (Appendix 'A').

Scholarship to the children of the Municipal employees :—

During the year 1988-89, 225 employees applied for scholarship to their children for various studies. Out of these 225 applications, 186 applications were found eligible for grant of scholarship. There was a provision of Rs. 1,50,000 in the budget for the year 1988-89 for the purpose of grant of scholarship. The total amount of scholarship paid was Rs. 29,805.

Immediate cash Assistance :—

Under the scheme for granting Immediate Cash Assistance of Rs. 500/- to the direct dependent of the Municipal employees who die while in service, the amount of Rs. 1,40,000 was spent during the year under report. Thus 280 dependents of the ex-employees availed the benefit of the scheme.

Medical Assistance scheme for Municipal employees :—

Under the above scheme for granting medical aid to Municipal employees from Labour Welfare Fund, 172 Municipal employees were given financial assistance of Rs. 3,60,746.03 for their own or their dependent's sickness.

Inter Ward/Inter Departmental Drama Competitions :—

Fifteen Wards/Departments took part in the Inter Ward/Departmental drama Competitions held at Birla Kreed Kendra at Chowpaty between 13-3-1989 to 13-4-1989.

First three dramas were awarded with rotating trophies. Besides the trophies, 6 individual prizes of Rs. 251/- each were awarded to the Best Actor, the Best Actress, Best Director, Best Background Music, the Best Setting and the Best Lighting. 20 consolation prizes of Rs. 50/- each for acting in drama were also given.

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

1. First Prize for drama	: "Mala Kahi Sangayachay" — M. C. A.
2. Second Prize for drama	: "Ma As Sabarin" — H. E.
3. Third prize for drama	: "He Shabadavina Sanvadje" — C. E.
4. The Best Actor	: Shri Milind Jagushte, — M. C. A.'s Office.
5. The Best Actress	: Smt. Pratibha Pitale, — A. & C.
6. The Best Director	: Shri Uday Nadkarni, M. C. A.'s Office.
7. The Best Setting	: Shri Deepak Padte, — A. & C.'s Office.
8. The Best Background Music	: Shri Ashok Kharat and Shri Bhalchandra Deshmukh Public Health Department.
9. The Best lighting	: Shri Sudhir Shambhudas, — C. E.'s Office.

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. 20 Telephone Operators 'B' Grade are appointed.
2. 10 Telephone Operators 'B' Grade are promoted to the post of Telephone Operator 'A' Grade.

Recruitment of P. T. candidates :—

Number of cases of Preferential treatment for employment, sanctioned by Labour Officer in the year under report are as follows :—

Labourer	: 103
Ayah/Sweeper/Hamal	: 118
School Peon (Female)	: 55
Clerk	: 60
Peon (Male)	: 76
Sub-Clerk	: 44

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 12,100. The activities conducted regularly at the different welfare centres are as under :—

For Women/Girls :—

- Sewing, Embroidery, Knitting, Cooking, Handicraft, Indoor and Outdoor games, Music, Dances.

For Boys and Adults :—

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, Boxing, 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, Kashmir was organised during the period from 30-3-1989 to 9-4-1989. Total 58 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.
8. Cochin Office Welfare Centre.

Nearly 400 children of the Municipal employees have taken advantage of the Balwadies.

(3) Different 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 to encourage them for taking part and showing their talent in the programmes.

(B) Haldi Kumkum functions were organised at 48 centres.

(C) Buddha Jayanti functions were organised at 13 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. First class Training.
3. Patrol Leader's 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. 230.60 to the West Bombay Bharat Scouts and Guides.

(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.

Statistical Cell :—

The Statistical Cell was 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. of various categories and posts in the Municipal Corporation has been collected by this department. However, in the budget meeting held on 18-10-1988 M. C. directed that the statistical cell functioning under Labour Officer be disbanded and the work be transferred to C. A. with immediate effect (MDG/4866 of 2-11-1988). In the meeting held on 27-2-1989, D. M. C. (P) directed not to call any statistical information hereafter. Accordingly, a circular under No. LO/1 of 1989-90 dated 5-4-1989 has been issued to all Heads of the departments Ward Officers for information and necessary action.

JOB EVALUATION

In April 1988 after training Field Officers and Sub-Committee Members, the work of interviews was commenced in April 1988 with 3 to 4 teams only. On appointment of Co-ordinator, Shri E. S. Nikam from 1-8-1989, there was a momentum to the Job Evaluation Work. Most of the Field Officers and Sub-

Committee Members, who were trained previously, were not relieved by the respective Heads of the Department for conducting Job Evaluation Interviews on one pretext or the other. This issue was taken up at higher level. During the period from October 1988 to March 1989, 27 Field Officers and 103 Sub-Committee members were trained. To overcome the difficulties of Heads of the Department, 100 posts in various categories ranging from Labourer to Assistant Engineers were created to appoint substitutes in place of the Field Officers and Sub-Committee Members relieved for Job Evaluation Work. By the end of March 1989, 83 Field Officers and Sub-Committee Members were got relieved from various departments and the work of conducting interviews of Labour/Artisan, Clerical, Nursing/Paramedical categories started in full swing from January 1989. By the end of March 1989 work of conducting interviews to the extent of around 60% was completed. During the period from April 1988 to March 1989 meetings of various committees were held as detailed below:—

(Name of the Committee)	(No. of Meetings)
1. Apex Panel	7
2. Steering Committee	10
3. Task Force	4
4. Action Committee	2

On 31-3-89, 61 Officers from various departments were also trained. A separate accommodation for Job Evaluation Office was secured at Gilder Tank Municipal Education Bldg. in January 1989 and arrangement was made to provide infrastructural facilities such as direct telephone connection, Furniture, storage facilities, typewriters including additional office staff.

After the interviews of Labour/Artisan, Clerical, Nursing and Paramedical are over, the work of verifying Job Descriptions will be entrusted to various Sub-Committee Members after getting it computerised. The work of conducting interviews of teaching staff in Education Department, Supervisory staff and Executive staff in various Departments will be started later on.

Labour Officer,
D.P.A.R.

APPENDIX 'A'(1988) April 88 to March 89

Sr. No.	Authority	Subject	Remarks.
1.	Conciliation Officer/- Asstt. Commissioner of Labour.	Illeal rise in canteen rates	Settled
2.	—Do—	Withdrawal of Punishment order in respect of Smt. V. P. Shirsat, Staff Nurse.	Settled
3.	—Do—	Non payment of Bonus for the year 1985-86.	Settled
4.	—Do—	Non payment of gratuity to Smt. Ghayal of K. E. M. Hospital.	Settled
5.	—Do—	Reinstatement in Municipal service of Shri Jawde working under A. E. W. W. (LD).	Failure
6.	—Do—	Reinstatement of Shri Pillai working under E. O.	Settled
7.	—Do—	Reinstatement in Municipal service of Shri R. P. Sawant working under E. E. (Mech).	Settled.
8.	—Do—	Reinstatement in Municipal service of Shri P. M. Shewade working in G/S.	Failure.
9.	—Do—	Withdrawal of Reservation of posts for children of Municipal-employees.	Settled
10.	—Do—	Reinstatement in Municipal service of Shri Waghela working in S. W. M. Deptt.	Failure
11.	—Do—	Meter Inspector working under H. E.'s deptt.	Failure
12.	—Do—	Classification of clerk-cum-store keeper-cum Accountant (Demands of family Welfare Staff)	Failure
13.	Conciliation Officer/ Asstt. Commissioner	Getting promotion of Projectionist in E. O.'s deptt.	Failure recorded by conciliation Officer.
14.	—Do—	Dispute of Family Welfare Unit.	Failure —"
15.	—Do—	Reinstatement of Labour in S. W. M. with full back wages.	Failure —"
16.	—Do—	Promotion to the post of Foreman.	Failure —"
17.	—Do—	Reinstatement in Municipal Service of Shri Shirsagar working under H. S.	Failure —"
18.	Conciliation Officer.	G. T. B. Hospital Breach of Section 9A of I. D. Act.	Pending
19.	—Do—	Concession to Municipal employees.	Pending before Sec.- Govt. of Maharashtra.
20.	—Do—	Promotion to Lower cadre employees.	—Do—
21.	—Do—	Notice of change under section 9A in respect of Head Clerk exam placing confidential History sheet.	—Do—
22.	—Do—	Demands of Family Welfare Branch.	—Do—
23.	—Do—	General Demands of Auxilary nurses.	—Do—
24.	—Do—	Reservation to sons of Municipal employees	—Do—
25.	—Do—	Confirmation of Bldg. Mukadam..	—Do—

APPENDIX—B

Sr. No.	Authority	Name of the Union/ employee	Subject	Remarks
1.	Industrial Tribunal	Shri R. D. Desai	Approval Application under Section 33 (2) (b) of the I. D. Act.	Pending
2.	—Do—	Shri R. R. More	Section 22 (L) (b) Industrial Dispute Act.	Approval granted
3.	—Do—	Shri S. H. Pandye	—Do—	Approval granted
4.	—Do—	Bombay Labour Union.	Demand for reinstatement in service of ex-contractor.	Pending.

LEGAL DEPARTMENT

1988-89

Legal Department deals with all the litigations filed by or against the Corporation in various Courts and Tribunals. In addition to this, Legal Department gives opinion to various departments of the Corporation of the references made to it. Legal Department also does the work of drafting Conveyance and other legal documents. It also deals 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						
	1. Appeals	2,250	34	2,284	19	2,265
II. HIGH COURT						
	1. First Appeal	406	31	437	7	430
	2. Appeal from Order	506	312	818	187	631
	3. Letters Patent Appeals	14	14	28	6	22
	4. Civil Application	466	5	471	1	470
	5. Civil Revision Application	24	33	57	12	45
	6. Writ Petition (Appellate Side)	202	123	325	43	282
	7. Long Cause Suit	200	23	223	5	218
	8. Arbitration Suit	15	5	20	4	16
	9. Insolvency matters and Company Petition	104	1	105	—	105
	10. Appeal Before Division Bench (O. S.)	294	119	413	95	318
	11. Writ Petition (O. S.)	2,284	521	2,805	161	2,644
	12. Chamber Summons in Orig. Side including Division Bench	15	46	61	34	27
	13. Notice of Motion	173	80	253	43	210
	14. Andhra-Hydrabad High Court	1	—	1	—	1
	15. Delhi High Court	—	—	—	—	—
	16. Madras High Court	1	—	1	—	1
	17. Bilaspur Civil Court	1	—	1	—	1
	18. Pauper Petition	—	—	—	—	—
	19. Sua Motor Petition	—	—	—	—	—
	20. Review Petition	2	—	2	—	2
	21. Land Acquisition Reference	37	—	37	—	37
III. CITY CIVIL COURT						
	1. Suit filed by the Corporation	53	15	54	—	54
	2. Suits filed against Corporation	17,838	2,425	20,263	1,018	19,245
	3. Misc. Appeal	17	57	74	66	8
IV. SMALL CAUSES COURT						
	1. Suits filed by the Corporation	42	5	47	10	37
	2. Suits filed against the Corporation	267	40	307	21	286
	3. Garnishee Notices	3	9	12	3	9
	4. Notice in suits.	53	21	74	60	14
	5. Full Court Applications (Appeals).	8	5	13	9	4
	6. Licences and setback appeals	74	31	105	35	70
	7. Appeals against Rateable Value	1,012	125	1,137	104	1,033
	8. References under Sec. 503 of B. M. C. Act	196	50	246	47	199

V LABOUR & INDUSTRIAL TRIBUNAL COURTS

1	2	3	4	5	6	7
1. Labour Court Application under (ULP) and Compensation Application	104	150	254	52	202	
2. Motor Accident Claims Tribunal	89	75	164	20	140	

VI POLICE COURT

1. Cases under B. M. C. Act.	77325	32074	109399	30241	79158	
2. High Court Cri. Appeal	36	3	39	...	39	
3. High Court Cri. Writ Petition	6	4	10	2	8	
4. High Court Cri. Application	34	14	48	11	37	
5. High Court Cri. Revision Application.	4	2	6	2	4	
6. Sessions Court Cri. Appeal	...	1	1	...	1	
7. Sessions Court Cri. Revision Application	4	28	32	9	23	
8. Cases u/s Shop & Establishments Act	9	94	103	5	98	
9. Criminal Procedure Code	10	13	23	13	10	
10. I. P. C.	61	45	106	52	54	
11. P. F. A.	94	25	119	35	84	
12. Traffic	1	...	1	1	...	
13. Cruelty to Animal Act	...	...	...	...	...
14. U/s. 515 of B. M. C. Act	27	25	52	26	26	
15. Contested Cases under B. M. C. Act	71	27	98	28	70	
16. M. R. T. P.	17	2	19	2	17	
17. Lunatic Cases	4	2	6	3	3	
18. Protection of Civil Rights	...	17	17	2	15	
19. Tree Cutting Cases	32	5	37	18	19	
20. P. F. Cases	25	...	25	...	25	
21. Company Law	...	...	...	...	...

DOCUMENTS COMPLETED DURING THE YEAR 1988-89

1. Deed of Conveyance and Agreement (F. S. I. )	...	...	...	...	410	
2. Certificate of Sale	...	...	...	...	16	
3. Deed of Confirmation	...	...	...	...	1	
4. Agreement	...	...	...	...	70	
5. Deed of Trust	...	...	...	...	3	
6. Deed of Lease	...	...	...	...	3	
7. Indemnity Bond	...	...	...	...	10	
8. Cases for compensation for set back (Subs.).	...	...	...	...	135	
9. Cases for Compensation for set back (city)	...	...	...	...	24	
10. Advice matter in respect of Stamp duty	...	...	...	...	2999	
11. Indenture of Deed of Mortgage Deed of Receipt (Municipal Corporation Housing Society).	...	...	...	...	22	
12. Further charge (Municipal Corporation Housing Soc.).	...	...	...	...	2	
13. Appeal matter before Charity Commissioner.	...	...	...	...	2	
14. Appeal matter before Co-operative Society's Court.	...	...	...	...	3	
15. Appeal matter at Thane Civil Court.	...	...	...	...	3	
16. Matter at Shahapur Civil Court.	...	...	...	...	2	
17. Appeal matter before Supdt. of Land Record.	...	...	...	...	1	
18. Appeal matter before Competant Authority U. L. C.).	...	...	...	...	1	
19. Individual Loan scrutinised files	...	...	...	...	144	
20. Surety Bond and change of sureties	...	...	...	...	427	

1	2	3	4	5	6	7
21.	Agreement to Mortgage	...	...	...	...	117
22.	Deed of Mortgage Individual loan.	...	...	...	...	15
23.	Assignment	...	...	...	...	37
24.	Identity Bonds	...	...	...	...	34
25.	Draft Lease	...	...	...	...	13
26.	Draft Licence & Deed of Covenants	...	...	...	...	36
27.	Power of Attorney	...	...	...	...	15
28.	Probate	...	...	...	...	12
29.	Declaration	...	...	...	...	3
30.	Letter of Administration	...	...	...	...	2
31.	Draft Licence to Assign	...	...	...	...	30
32.	Release Deed	...	...	...	...	5
33.	Rectification	...	...	...	...	5
34.	Reconveyance	...	...	...	...	1
35.	Consent Decree	...	...	...	...	7
36.	Gift Deed	...	...	...	...	2
37.	Partition	...	...	...	...	2
38.	Appointment of New Trustees and Settlement	...	...	...	...	11
39.	Partnership and Retirement	...	...	...	...	3
40.	Legal Notice	...	...	...	...	32
41.	Total Receipts	...	...	...	...	1317
42.	Opinion on reference from Deptt. & Parties	...	...	...	...	53
43.	Opinion on documents and Drafting documents Legal Notices for approval.	...	...	...	...	530
Enquiry cases under Section 105 B of B. M. C. Act.						
44.	Cases pending as on 1-4-1988	...	...	...	...	3993
45.	Cases received during the year i. e. from 1-4-1988 to 31-3-1989.	...	...	...	...	7225
46.	Total cases dealt with during the year i. e. from 1-4-1988 to 31-3-1989	...	...	...	...	11218
47.	Total cases disposed off during the year.	...	...	...	...	9091
48.	No. of cases pending as on 31-3-1989.	...	...	...	...	2127

BRIHANMUMBAI MAHANAGARPALIKA

CENTRAL STORES DEPARTMENT

The Stores department acts as central purchasing and stores agency of the Corporation for procuring, storing and supplying various items to the various Municipal departments. There are about 299 different annual schedules covering about 2525 items. The purchases are made as per the provisions of the B. M. C. Act by inviting tenders by public advertisement and/or by sending circular letters to known dealers dealing in the line.

The transactions made during the year under report are shown in the enclosed statement 'A'.

During the year under report the actual expenditure incurred on various activities was as under :—

	Rs.
(i) Establishment	27,57,252.71
(ii) Advertisement	2,22,321.00
(iii) Printing & Stationary	35,949.22
(iv) Miscellaneous viz. Clothing, books and dead stock, Electricity & telephone charges etc.	1,00,209.51
	and
(v) Maintenance & Repairs	63,890.00

During the year under report, in all, 148 Tenders were invited by public advertisement and 67 quotations were invited by sending circular letters. Totally 216 contracts were executed and 748 purchase orders were placed on the suppliers. Similarly the total number of indents received from the various Municipal departments for issue of Store articles were 17832 out of which 15875 indents were admitted for issue of stores. In all 3128 Salesmemos were received during the year for issue of cement and casting articles to the Municipal Works contractors appointed by the Engineering Departments.

In all, 81 schedules containing 1229 items, in addition to rice and wheat, exclusively required in the Municipal Medical Institutions, Hospitals, Dispensaries and Maternity Homes etc. were transferred from the central Stores Department to the Diet Sub-Committee under Asstt. Dean (L) and to the Furniture and Linen Sub-Committee under Asstt. Dean (N) during 1988-89. On transfer of the Hospital Store items, the requisite staff were also transferred from the Central Stores Department to the respective Sub-Committees.

The Main Stores Accounts under C. S. were computerised on live run basis from 1-4-1988 as per the procedures and the system adopted for Budget 'G'.

Controller of Stores.
Bombay Municipal Corporation.

FUTURE PLANNING

A new Office-cum-godown building is constructed in the compound of C. S.'s Department and it is proposed to shift the existing office and the General Godown Sections in the said building in due course after certain alterations and modifications as are necessary are carried out therein. It is also proposed to shift some other Municipal Offices in the said building.

The computerisation of Ward Engineering Stores was started on parallel run from 1-10-1988. It is proposed to computerise the Ward Engineering Stores on live run from 01-04-1989. When this is done the Ward Engineering Stores will be brought under the direct control of Controller of Stores and all the Stores items for Ward Engineering Stores and Main Stores will be purchased, stocked and supplied by the Controller of Stores. For this purpose, the Budget provisions for purchase of Stores will be made Centrally under C. S. The C. S.'s Department will also arrange deliveries of the materials to the respective Wards. The direct debit items will also be indented by C. S. as per the requirements of the departments/Wards. The Material Requirement Planning and Inventory Control Cell (M.R.P. & I.C. Cell) headed by an Executive Engineer under C. S. will co-ordinate the activities of various Stores, inter Stores Material transfers, Stock Position, inventory Control, and guiding and training to the Staff concerned.

Controller of Stores:

STATEMENT 'A'

Showing the transactions made during 1988-89.

Particulars	Capital Stores	General Stores	Total (2) plus (3)
(1)	(2)	(3)	(4)
	Rs.	Rs.	Rs.
(i) Value of Stores as on 1st April 1988.	28,75,771.59	1,16,01,781.81	1,44,77,553.40
(ii) Add. Value of Stores received including transfers during year 1988-89.	7,89,12,020.14	3,47,78,595.06	11,36,90,615.20
(iii) Total :	8,17,87,791.73	4,63,80,376.87	12,81,68,168.60
(iv) Less : Value of Stores issued including the transfers during 1988-89.	7,99,37,297.36	2,88,19,410.23	10,87,56,707.59
(v) Closing balance as on 31st March 1989.	18,50,494.37	1,75,60,968.64	1,94,11,461.01
(vi) Average annual inventory.	2,08,125.00	1,03,64,223.00	1,05,72,348.00
(vii) Ratio of average inventory level to monthly issue.	0.123	1.998	2.121

The information about the Head of the Department required as per the Circular. --

No. No.	Designation	Name of the Officer	Qualifications	Period	Remarks
				From/To	
1	2	3	4	5	6
1.	Controller of Stores.	Shri D. S. Fadale.	B. E. (Civil)	1-10-1987 to 31-7-1988	Superannuated with effect from 1-8-1988.
2.	Do.	Shri N. S. Sangani.	B. E. (Civil)	1-8-1988 to 31-3-1989	Do.

Controller of Stores.

ADMINISTRATIVE OFFICER (ENQUIRIES)

The Department of Administrative Officer (Enq.) 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 A. O. (Enq.) who was assisted by three Dy. A. O.(E)'s, eleven Chief Inspectors(E), forty Inspectors (Enq.) and other administrative staff during the year 1988-89.

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 645 investigations, paid 745 surprise visits to various Municipal institutions and mustering places, and disposed of 4788 cases of miscellaneous nature.

The details of investigations are as under :—

(a) Cases of alleged acceptance of illegal gratification and misappropriation of municipal money.	32
(b) Cases of irregularities of major nature.	171
(c) Cases of irregularities of minor nature.	442
	645

The details of action taken are as under :—

(1) Dismissal.	10
(2) Removal.	14
(3) Demotion.	10
(4) With holding of increment.	173
(5) Fines imposed.	115
(6) Censure, Caution and Warnings.	67
(7) Suspension for 3 days.	2
(8) Recovery on account of loss to the Corporation.	24
(9) Exonerated of the charges as the charges are not proved.	21
	436

SALIENT FEATURES :

(1) Rs. 19,15,310/— were recovered from the flat owners from western suburbs, who have enclosed balconies without approval of the Bldg. Department.

(2) On receipt of source information regarding bogus receipt passed by staff members of I. Z. Stores, Worli & showing the receipt of C. I. Pipes on 14-3-87 of following sizes, the matter was investigated in details and taken up with the Indian Iron & Steel Co. Ltd. at their Calcutta office and ultimately company replied to this office that the claim for Rs. 1,77,464.10 P. would be withdrawn and the Corporation should render necessary assistance by producing in the Court evidence, as the Company desired to file a suit against the transporter. This office has claimed additional amount of Rs. 96,097.32P. paid in excess to the Company as the pipes were not supplied to Worli stores at all in March—88.

(3) On a surprise visit and checking of cement stock kept in the chowky at Telli gully by slum contractors M/s. Reliance Construction Co., it was observed that 644 bags of cement was shown to have been consumed, where, in-fact it was not consumed at all as per the procedure & hence an amount of Rs. 28,973.50 was recovered from the Contractor.

(4) The Contractors M/s. Shreyas Construction Co. & M/s. C. B. Corporation were penalised of Rs. 1,000 each for unauthorised lifting of R. C. C. pipes from Dharavi stores to their respective sites at Vile Parle (East) & Gorai Village, Borivali.

(5) 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. 20,079/- towards the octroi duty was recovered at the instance of this deptt.

(6) Investigations in respect of misuse of 'N' form facilities were carried out and as a result of which an octroi recovery of Rs. 6,28,558.92 was effected.

Report of Departmental Enquiries for the period from 1-4-88 to 31-3-89.

1.	D.Es. outstanding as on 1-4-88.	213
2.	D.Es. received during 1-4-88 to 31-3-89.	265
3.	D.Es. Disposed during 1-4-88 to 31-3-89.	252
4.	D.Es. outstanding as on 1-4-89.	226
5.	Classification of outstanding D.Es. as on 1-4-89.	
	With one year	Over one year
	178	48

Sd/-

Administrative Officer
(Enquiries) I/c

MUMBAI MUNICIPAL SECURITY FORCE

Security Department is separately established in the year 1964. At present 3718 (including executive, administrative and labour staff) are working under establishment of Security Department. For the convenience of the administration, the deptt. is decentralised in three zones i. e. City, Eastern Suburbs and Western Suburbs in the year 1984 and recently in the year 1989 one more zone is formed i. e. Central Zone. All the zones are headed by Dy. Security Officers. A separate Security Force for guarding the installations of W. S. S. D. has been formulated under the control of Hydraulic Engineer. Now this wing also under the overall control of Security Officer.

The main work of this deptt. is the protection of municipal property against thefts, pilferages etc. and also to attend a special bandobast of Corporation Meeting at Corporation Hall. The officers have to attend on special duty round the clock of emergencies like strike, bandh etc. The Security Force participates in Flag Hoisting Ceremony on Republic Day, Independence Day and Maharashtra Day every year.

Since 1984 the Departmental Enquiries against the employees of Security Deptt. are entrusted to Asstt. Security Officer and Dy. Security Officer of this deptt.

	Rs.
I—Preliminary Enquiries completed by Security Asstts.	86.00
II—Theft etc. cases reported.	314.00
III—Value of Municipal Property Involved.	1,69,926.00
IV—Cases detected.	102.00
V—Value of property recovered.	49,938.00
VI—Formation of Security Cell for WSSD.	

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
		Rs.		Rs.
Hospital.	83	64,025.00	16	4,895.00
Other.	231	1,05,902.00	86	45,043.00

In the year 1986 this deptt. has started a full fledged training school at C. T. I. and R. C., Borivali, and in the year 1989 this training school is shifted at Bhandup Complex, where the new recruits and regular guards and officers are imparted with full fledged training on the line of paramilitary forces. The new scheme of recruitment on stipend basis has been introduced in the department.

This deptt. has formed a platoon of Band and is giving performance in municipal functions as well as public places for entertainment of public. This has attracted the public who are engaging our band for private function and thus the deptt. has collected a revenue of about Rs. 16,260 during this year.

The scheme of Pay & Park in the city is being manned by this deptt. and an amount of Rs. 10,41,960/- is collected and remitted to Municipal Treasury during the year 1988-89.

The total income and expenditure of this deptt. is as follows :—

(i) INCOME	Band—Rs. 16,260.00
	Pay & Park—Rs. 10,41,960.00
(ii) EXPENDITURE	Establishment—Rs. 3,08,41,392.00
	Contingencies—Rs. 20,27,082.00.

MUNICIPAL PRINTING PRESS

Subject : Administration Report for the year 1988-89.
Ref. M. C.'s Circular No. MOP/3384 of 13-4-1989.

Information in duplicate called in compliance with the circular referred to above is given below :—

(1) (a) I & II.

Sr. No.	Designation	Name of the Officer.	Qualification	Period		Remarks if any.
				From	To	
1.	Officer on Special Duty (Press).	Shri P. G. Vedpathak.	B. A. (Spl.) L.G.S.	1-4-1988 to 14-4-1988	15 days E. L. granted from 15-4-1988 to 29-4-1988 w.b. of 14-4-98 being a Sunday. R. D. on 30-4-1988.	
2.	Manager	Shri M. M. Kamat.	Printing Technology, Diploma in Business Management.	15-4-1988 to 30-4-1988	—	
3.	Officer on Special Duty (Press).	Shri P. G. Vedpathak.	B. A. (Spl.) L.G.S.	1-5-1988 to 14-7-1988	Reverted to his original post as Dy. S. O. (Western Subs.) w.e.f. 15-7-88 vide No. SF/-2893 of 20-7-88.	
4.	Manager	Shri M. M. Kamat.	Printing Technology, Diploma in Business Management.	15-7-1988 to 31-3-1989		

III — Nil.

IV — Nil.

(b) Will be forwarded to C. A. after balance sheet is prepared.

D. M. C. (I).

Manager,
Municipal Printing Press.

Municipal Printing Press.

Highlights :

(1) Expenditure-

(a) Establishment	...	Rs. 1,39,49,283/-
(b) Other items	...	Rs. 65,39,523/-

(2) Jobs

(a) Printing	... 6036 + 18	- 6054
(b) Stationery	... 2211 + 2	- 2213

(3) Printed pages for Corporation and their various Committees (Both Marathi & English) - 23,460.

(4) Amount Charged -

(a) To Departments	...	Rs. 2,26,36,412/-
(b) To Private Parties	...	Rs. 2,48,029/-

During the year, the press carried out 6054 Printing Jobs both departments and private in addition to supply of stationery jobs at a total cost of Rs. 2,26,36,412/- Department undertook 18 private printing jobs & earned Rs. 2,48,029/- There was a surplus of Rs. 32,04,512/- against the last years working surplus of Rs. 6,31,328/- in order to meet the requirements department purchased 464 Metric tons of various kinds of paper from the market and consumed total quantity of 464 Metric tons which included old stocks.

The Comparative statement of jobs carried out and paper consumed during the year 1987-88 and 1988-89 is furnished as below :—

Statement-I (Jobs carried out)

Description	1987-88		1988-89	
	Jobs	Pages	Jobs	Pages
(1) Departmental (Printing)	8334	...	6036	...
(2) Departmental (Stationery)	1786	...	2211	...
(3) Pvt. Parties (Printing)	17	...	6	...
(4) Pvt. Parties (Stationery)	...	...	2	...
(5) B. E. S. T. (Undertaking)	10	...	12	...
(6) Corporation and its Committees.	...	15358 (E)	...	16464 (E)
	...	5426 (M)	...	53 (M)
(7) Corporation (Record)	...	1113 (E)	...	1506 (E)
	...	801 (M)	...	114 (M)

('E' denotes English & 'M' denotes Marathi)

Statement-II (paper consumed)

Description	1987-88 in M. T.	1988-89 in M. T.
(1) White	379	305 ½
(2) Nepa	32 ½	57
(3) other kinds	132 ½	101 ½
Total	544	464

Certain jobs were carried out through outside Agencies at a cost of Rs. 2,45,483/- as against Rs. 2,33,584/- in the previous year. In addition to regular work, the press carried out printing of

- (i) Marathi Budget and Establishment Schedule comprising of 5623 pages.
- (ii) Budget 'G' both Marathi and English against heavy odds.

The Press is working in two shifts with total strength of the 435 workers as on 31st March 1989, as against 436 workers as on 29th February 1988. 37 Apprentices under Apprenticeship Act 1961 were engaged in this year as against 27 on 29th February 1988. The labour relations were cordial and their grievances were redressed on the spot wherever practicable.

Work Load Summary as per Performance Budget

Sr. No.	Description of Activity	Unit of Measurement	Budget Estimates. 1988-89	Actual 1988-89
(1)	(2)	(3)	(4)	(5)
1.	(a) Agenda of Meeting of Corpn. & various Committees.	Pages	35,000	16,464
	(b) Agenda of meeting of Corpn. & various Committees (Marathi).	Pages	6,000	5,376
2.	Departmental Printing work such as Forms and Registers, etc.	Jobs.	10,000	6,036
3.	Supplying stationery items to various deptts.	Jobs.	2,000	2,211
4.	Record of proceedings of Corporation Committee.	Pages.	10,000	1,620
5.	Printing of Administration report.	Pages.	400	...
6.	Budget Estimates and Estt. Schedule in English & Marathi	Pages.	6,000	5,623
7.	Supply of stationery items & printing Private parties jobs.	Jobs.	40	20

D. M. C. (I)

Manger,
Municipal Printing Press.

ROTA PRINTING UNIT

1988-89

IMPORTANT FEATURES

The Rota Printing Unit carry out the work of printing and supplying copies of M. C.'s and M. C. A.'s Administration Reports in Marathi, urgent items and accompaniments of the agendas 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, Devnagiri, Arabic and Malyalam, and printing of other departmental jobs such as reports, different types of formats, circulars, H. C.'s Examination question papers, Dy. 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. 15,61,952.63
b) Other expenditure	Rs. 8,26,324/-

	Pages	Cost
a) Printing of Administration reports of M. C. & M. C. A.'s Deptt. in Marathi.	543	62,145.44
b) Departmental jobs such as formats circulars, reports, etc.	Jobs 988	10,80,971.55
c) Urgent items and accompaniments & agenda of the Corporation and its various Committees.	Jobs 1176	6,47,489.41
d) Annual Exam. Question papers of Primary & Secondary Schools of E. O.'s Department.	82,12,600 impression	14,54,916.34

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

The various jobs - works received in the Rota Printing Unit are of 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 specific time schedule.

Superintendent,
R. P. Unit.

M. M. P.

D. M. C. (I)

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 1988-89.

GENERAL MUNICIPAL ADMINISTRATION
(Budget 'A').

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

Revenue A/c. Budget 'A'	1988-89		19887-88	
	Budget Estimates	Revised Estimates	Actuals	Actuals
	R.	R.	R.	R.
Opening Balance ..	40,04,01,700	22,55,93,186	22,55,93,186	14,81,99,064
Income ..	4,80,78,39,470	4,48,90,43,730	4,33,45,53,945	3,74,00,27,573
Expenditure ..	5,19,69,06,980	4,52,74,99,230	4,48,10,06,377	3,70,10,26,601
Surplus (+) or Deficit (-) during the year ..	38,86,67,510	- 3,84,35,500	- 14,64,52,432	+ 3,90,00,972
Balance ..	+ 1,17,34,190	+ 18,71,57,686	+7,91,40,754	+ 18,72,00,036
Increase (-) Decrease (+) in Reservation for Advances etc ..	..	- 2,10,00,000	- 8,73,29,322	3,83,93,150
Closing Balance ..	1,17,34,190 (Surplus)	16,61,57,686 (Surplus)	- 81,88,568 (Deficit)	22,55,93,186 (Surplus)

2. The details of Reservation of Advances etc.

Increase (-)	In Miscellaneous Advances	2,67,10,761
	In Renewed Grant	5,91,00,000
	In Reserve Stores	15,18,561
	Net Increase (-)	8,73,29,322

Comparative statement showing the actual position of Surplus Cash Balance as on 31st March 1989 and that as shown in the Revised Estimates for 1988-89 in Corporation Budget.

(Rs. in Lakhs)

Revenue Account-Budget 'A'	As adopted by the Corporation (R.E.)	Actuals	Variation Com- pared with Revised Estimates to the the Corporation
	Rs.	Rs.	Rs.
Opening Balance ..	22,55.93	22,55.93	..
Income ..	4,48,90.44	4,33,45.54	15,44.90
Expenditure ..	4,52,74.79	4,48,10.06	(Decrease) 4,64.73 (Decrease)
Deficit (-) Surplus (+) for the year	- 3,84.35	- 14,64.52	+ 10,80.17
Deficit/Surplus	+ 18,71.58	+ 7,91.41	+ 10,80.17
Deduct/Add Increase (-) Decrease (+) in Reservation for Advances etc.	- 2,10.00	- 8,73.29	+ 6,63.29
Net Deficit/Surplus (-)(+)	16,61.58	- 81.88	+17,43.46

3. The net un-hypothecated Surplus Cash Balance on 31st March 1989 was as under :

	Liabilities		Assets
	Rs.		Rs.
Reserve Store Account	88,56,666	Surplus Fund as per Appendix No. 2.	45,71,13,642
Miscellaneous Advances	45,64,45,544		
Deficit Cash Balance	81,88,568		
	45,71,13,642		45,71,13,642

RESERVE STORES AND CAPITAL STORES

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

Name of the Account	Opening Balance as on 1-4-88	Receipts during the year	Total	Issues during the year	Closing Balance as on 31-3-89
	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Advances Reserve Stores	88,48,887	2,51,35,360	3,39,84,247	8,17,86,598	47,80,2,351*
(2) Advances Reserve Stores Foras Rd. Depot	7,11,311	14,61,817	21,73,128	15,09,106	6,64,022*
(3) Advances Capital Stores	2,70,32,329	6,06,74,200	8,77,06,529	195	8,77,06,334
(4) Advances Capital Stores Foras Rd. Depot	3,02,115	1,78,012	4,80,127	3,55,378	1,24,749
Total	3,68,94,642	8,74,49,389	12,43,44,031	8,36,51,277	4,06,92,754

* The difference of Rs. 5,54,36,126 and Rs. 5,58,868 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, 1988	Loan raised during the year	Repayment during the year	Loan outstanding as on 31st March 1989
	Rs.	Rs.	Rs.	Rs.
Division-I	1,84,85,16,737	17,99,65,889	6,68,67,821	1,96,16,14,805
Division-II	1,65,72,58,280	4,30,00,000	8,57,94,840	1,61,44,63,440
Division-III	59,00,00,000	..	..	59,00,00,000
Total	4,09,57,75,017	22,29,65,889	15,26,62,661	4,16,60,78,245

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

	Rs.	Rs.	
(1) Division-I	16,10,00,000	20,40,00,000	Being the Loan issued at par with the currency of 20 years at 11.5 per cent interest per annum and Sinking Fund improving at 8 percent basis per annum raised by public subscription (cut of Rs. 2610 lakhs Loan) sanctioned under G.R. No. LLB/1088/96/CR-28/88/UD-3, dated 1st February 1989 in response to Corporation's Loan application for Rs. 7,000 lakhs underlying C.R. No. 532 of 7th October 1988
Division-II	4,30,00,000		
(2) Division-I (B.U.D.P.-I)		1,89,65,889	Being the Loan of Rs. 1,06,00,000 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. 78,90,089 interest at the rate of 8.5 percent per annum for the year 1988-89 being capitalised vide G.R. No. WBP/1088/CR-810/D-5 dated 30th November 1988 and under subsidiary Loan agreement vide C.R. No. 90 of 25-7-1985 and the down payment of Rs. 4,75,800 under S.U.P. Scheme.
Total ..		22,29,65,889	

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

		Rs.	
Division-I	(1)	57,84,594.00	Repayment of 9.2 Percent 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 Government of Maharashtra for purchase of Capital Fire Fighting Equipments.
	(3)	88,00,000.00	Repayment of 6 1/2 percent Rs. 80 lakhs B.M.C. Loan 1978-79.
	(4)	17,76,561.00	Repayment of 4 3/4 percent Rs. 235 lakhs B.M.C. Loan 1963-64 excluding Rs. 2,17,23,438.75 of Budget 'G'.
	(5)	5,00,00,000.00	Repayment of 8% Rs. 500 lakhs B.M.C. Loan 1978-79.
Total ..		6,68,67,821.00	
Division-II & III	(1)	4,95,00,000.00	6 1/2 percent Rs. 450 lakhs public Loan 1978-79.
	(2)	3,30,00,000.00	6 1/2 percent Rs. 300 lakhs Public Loan 1978-79.
	(3)	32,94,840.00	4 3/4 percent Rs. 50 Lakhs Public Loan 1963-64.
Total ..		8,57,94,840.00	
Grand Total ..		15,26,62,661.00	

SINKING FUND

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

Budget 'A' April 1988	Amount of fund on 1st April 1988	Interest realised	Sinking fund instalments	Withdrawn for repayment of Loans	Excess accumulation to Municipal General Fund	Amount of Tr. Fund on 31st March 1989
	Rs.	Rs.	Rs.	Rs.		Rs.
Div-I	42,11,85,879	3,32,40,086	5,71,18,789	8,23,00,000		42,92,44,754
Div-II	34,88,44,212	2,47,65,951	7,11,02,535	8,75,00,000		35,72,12,698
Div-III	1,44,81,579	15,19,348	90,08,446	Nil.		2,50,09,373
Total	78,45,11,670	5,95,25,385	13,72,29,770	16,98,00,000		+ 81,14,66,825

Budget 'A'	Book Value for Securities and Cash as on 31-3-1989	Market Value of securities interest accrued upto 31-3-1989 and Cash as on 31-3-1989	Amount of Sinking Fund which should have accumulated upto 31-3-1989	Excess or less in Sinking Fund as on 31-3-1989.
	Rs.	Rs.	Rs.	Rs.
Division-I	42,92,44,754	43,12,58,321	43,20,49,394	— 7,91,073
Division-II	35,72,12,698	36,04,31,172	38,53,18,047	— 2,48,86,875
Division-III	2,50,09,373	2,50,16,810	2,42,78,390	+ 7,38,420
Total	81,14,66,825	81,67,06,303	84,16,45,831	— 2,49,89,528

+ Out of this Rs. 18,31,17,531 pertaining to Division-I, Rs. 3,72,36,950 Division-II respectively related to Budget 'G'.

REVENUE INCOME

6. The Estimated Income for the year was Rs. 4,80,78,39,470 and Revised Estimates was Rs. 4,48,90,43,730. The actuals amounted to Rs. 4,33,45,53,945 resulted in decrease of Rs. 47,32,85,525 on the Budget Estimates and of Rs. 15,44,89,785 on the Revised Estimates.

OCTROI

6A. The gross collections for the year were estimated at Rs. 2,80,00,00,000 the refunds and Commission charges at Rs. 15,00,00,000 and the net revenue at Rs. 2,65,00,00,000. The revenue collected and paid in to the Municipal Treasury in the year amounted to Rs. 3,15,38,77,336 and after deducting the amount of Rs. 19,55,13,965 (on account of refunds Rs. 19,45,55,393 and on account of Commission for collection Rs. 9,58,572 credited to the separate, Revenue Head) the net receipts amounted to Rs. 9,58,572 showing an increase of Rs. 42,76,42,483 as compared with the actuals of the previous year (i.e. Rs. 2,53,20,888).

REVENUE EXPENDITURE

7. The final sanctioned grants amounted in the aggregate to Rs. 5,85,99,64,170.	Rs.
Budget Grants	5,19,65,06,980
Unexpended Grants for previous years renewed for expenditure	48,00,00,000
Additional grants	18,34,57,190
Final sanctioned grants	5,85,99,64,170

The transfers from one Budget Head to another without affecting the total Budget provisions for the year amounted to Rs. 2,34,25,000.

8. Against the final sanctioned grants for the year aggregating to Rs. 5,85,99,64,170¹ as stated above the actuals amounted to Rs. 4,48,10,06,377 leaving an unexpended balance of Rs. 1,37,89,57,793 at the close of the year. Out of this balance the amount of Rs. 53,91,00,000 is being renewed for expenditure during 1989-90 as against Rs. 48,00,00,000. 1988-89 and the remaining balance of Rs. 83,98,57,793 is being allowed to lapse.

9. The percentage of establishment expenditure to the total expenditure for the year 1988-89 and the previous year is as given below :

Budget 'A'	Establishment Cost	Percentage of Establishment cost to total expenditure during	
		1988-89 ⁽¹⁾	1987-88
	Rs.	Percentage	Percentage
Division-I	1,30,34,37,823	45.75	42.82
Division-II	45,96,01,771	47.53	42.06
Division-III	34,23,97,784	51.50	41.97
Total	2,10,54,37,378	46.98	42.52

LOAN FUND AND LOAN WORKS EXPENDITURE

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

Budget 'A'	O.B. as on 1-4-88	Net Loans raised during 1988-89	Reimbursement of Loan from BMRDA	Repayment of Adv. granted for purchase of P&M	Central Govt. Asst. for flood damage
	1	2	3	4	5
	Rs.	Rs.		Rs.	
Division-I	14,33,53,694	17,99,65,889	..	2,20,97,996	..
Division-II	16,89,59,089	4,30,00,000	..	45,52,749	..
Division-III	6,35,14,588	..	..	11,21,797	..
Total	37,58,27,371	22,29,65,889**	..	2,77,72,542	..

Grant-in-aid from Government	Loan fund available	Total Expenditure incurred	Advance for financing Capital Str res	C.B. as on 31-3-1989
6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.
..	34,54,17,579	17,44,68,876	Cr. 1,77,366	17,11,26,069
..	21,65,11,838	6,28,84,146	..	15,36,27,692
..	6,46,36,385	6,02,94,203	..	43,42,182
..	62,65,65,802	29,76,47,225	Cr. 1,77,366	32,90,95,943

** (1) Rs. 1,06,00,000 from Government of Maharashtra of Affordable Low Income Shelter programme B.U.D.P.-I under Budget A, B, & G, Rs. 78,00,089 interest capitalised at the rate of 8.5 percent per annum and down payment of Rs. 4,75,810 under S.U.P. Scheme.

(2) Rs. 20,40,00,000 Public Loans (through Open Market)

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

Year	LOAN FUNDS		Actuals	Percentage of Actuals to Budget Estimates	Percentage of Actuals to Revised Estimates
	Budget Estimates	Revised Estimates			
	Rs.	Rs.	Rs.		
1986-87					
Division-I	88,48,70,500	58,38,23,700	28,84,37,801	33	49
Division-II	27,29,36,000	29,38,28,100	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
1988-89					
Division-I	60,32,74,600	50,80,61,610	17,44,68,876	29	34
Division-II	25,46,80,100	22,35,23,300	6,28,84,146	24	28
Division-III	20,76,69,500	22,76,89,600	6,02,94,203	29	26
Total	1,07,56,24,200	95,92,74,510	29,76,47,225	28	31

The percentage of actual expenditure to Funds available works out of 48.

TRUST FUND AND EXPENDITURE Under Trust Fund

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

	O.B. as on 1-4-1988	Receipts dur- ing 1988-89	Total Funds available	Expenditure during 1988-89	C.B. as on 31-3-1989
	Rs.	Rs.	Rs.	Rs.	Rs.
Division-I	33,26,467	4,70,49,312	5,03,75,779	69,72,394	4,34,03,385
Division-II	5,18,290	..	5,18,290	2,57,976	2,60,314
Division-III	..	..	..	..	..
Total	38,44,757	4,70,49,312	5,08,94,069	72,30,370	4,36,63,699

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.
Div.-I	5,48,25,66,700	25,46,48,02,856	30,94,73,69,556	21,28,60,446	3,48,833	21,32,09,279
Div.-II	...	...	...	...	...	...
Div.-III	...	...	...	...	...	...
Total	5,48,25,66,700	25,46,48,02,856	30,94,73,69,556	21,28,60,446	3,48,833	21,32,09,279

STREET IMPROVEMENT

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

	Provision in the Revised Loan works Budget Estimates for 1988-89 for acqui- sition of set backs.	Expenditure during 1988-89	Balance out of provision	Amount of un- discharged Co- mmittment upto 31-3-1989
	Rs.	Rs.	Rs.	Rs.
Division-I	80,00,000	13,41,851	66,58,149	98,84,311
Division-II	77,39,000	3,25,327	74,13,673	..
Division-III	1,47,00,000	72,04,919	74,95,081	..
Total	3,04,39,000	88,72,097	2,15,66,903	98,84,311

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 1-4-1988	Amount of Loans granted during the year	Repayments of Loans during 1988-89	Loans Balance as on 31-3-1989
Rs.	Rs.	Rs.	Rs.
20,13,16,295	1,20,64,590	1,76,27,632	19,57,53,253

13A. The position of Housing Loans to the individual Municipal employees was as under :-

Loan Balance as on 1-4-1988	Amount of Loans granted during the year	Repayment of Loans during 1988-89	Loan Balance as on 3-13-1989
Rs.	Rs.	Rs.	Rs.
76,46,714	92,63,200	5,27,546	1,63,82,368

BOMBAY URBAN DEVELOPMENT PROJECT-I

13B. 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 Subsidary 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 in one Central place.

The Loan receipt of Rs. 7,72,00,000 and capitalised interest of Rs. 1,06,80,059 thereon at the rate of 8.5% per annum and down payment of Rs. 82,800 amounted to Rs. 8,79,62,859 upto 31st March 1988. During the year under report further instalment of Rs. 1,06,00,000 was released by the Government of Maharashtra. The interest capitalised upto 31st March 1989 on total Loan receipt of Rs. 9,84,80,059 amounted to Rs. 78,90,089. An amount of Rs. 4,75,800 received from Slum dwellers was credited to Loan Fund being 10 percentage share to wards environmental Improvement Loan under Slum upgradation programme. Thus the total Loan receipt amounted to Rs. 10,69,28,748 upto 31st March 1989 (Loan receipt of Rs. 8,78,00,000 plus interest capitalised Rs. 1,85,70,148 plus Rs. 5,58,600 toward down payment).

The expenditure of Rs. 7,58,20,232 inclusive of Rs. 12.5 percentage and 8.5 percent 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. 7,58,20,232 leaving balance of Rs. 3,11,08,516 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 1988-89 was as under :

	Income	Expenditure	Surplus	Deficit
	Rs.	Rs.	Rs.	Rs.
Improvement Scheme	7,33,78,034	12,21,07,107	..	4,87,29,073
Slum Clearance (City)	45,24,704	78,15,252	..	32,90,548
Slum Clearance (Subs.)	14,22,429	64,46,132	..	50,23,703
Slum Improvement	6,14,01,907	4,74,45,177	1,39,56,730	..
Total	14,07,27,074	18,38,13,668	1,39,56,730	5,70,43,324

CAPITAL ACCOUNT

15. The position of Capital Account was as under :

Particulars	Opening Balance as on 1-4-88	Receipt on A/C of s.d. proceeds of lands of Bldgs.	New Loan raised during the year	Surplus of Gm. A/C Transferred to Cap. A/C.	Total Funds available	Expenditure during the year	Deficit of Gm. A/C. Transferred to Cap. A/C.	Closing Balance as on 31-3-89
	Rs.	Rs.			Rs.	Rs.	Rs.	Rs.
Improvement Schemes	-21,71,41,211	7,64,638	..	..	-21,66,76,573	55,23,299	4,87,29,073	27,09,28,945 (Deficit)
Slum Clearance City	-1,95,15,589	..	..	..	-1,95,15,589	7,77,038	32,90,548	5,35,83,175 (Deficit)
Slum Clearance (Subs.)	-1,45,83,524	1,58,637	..	..	-1,44,26,887	..	50,23,703	4,94,50,590 (Deficit)
Slum Impmt.	-15,93,55,190**	4,61,71,398	..	1,39,56,730	-9,92,27,062	7,59,96,889	..	17,52,23,951 (Deficit)
Total	-47,08,97,514	4,70,94,673	..	1,39,56,730	-49,98,46,111	8,22,97,226	5,70,43,324	54,91,86,661 (Deficit)

** Rs. 2,51,10,153 Reimbursement of Capital Expenditure from Bombay Hsg. & Area Development Board and Rs. 23,07,61,245 Receipt from Collector of Bombay Sub. Dist. & Government of Maharashtra.

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

Budget 'B'	Outstanding Loan as on 1st April 1988	Loan raised during the year	Repayment of Loan during the year	Loan outstanding on 31st March 1989
	Rs.	Rs.	Rs.	Rs.
Improvement Schemes	8,50,00,000	..	50,00,000	8,00,00,000
Slum Clearance (City) ..	4,78,79,587	..	..	4,78,79,587
Slum Clearance (Subs.) ..	4,68,86,482	..	..	4,68,86,482
Slum Improvement ..	2,00,00,000	..	..	2,00,00,000
Total ..	19,97,66,069	..	50,00,000	19,47,66,069

SINKING FUND

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

	Amount of Sinking Fund as on 1-4-1988	Interest Realised during the year	Sinking fund Instalments	Withdrawn for repayment of Loans	Amount of Sinking fund as on 31-3-89
	Rs.	Rs.	Rs.	Rs.	Rs.
Improvement Schemes.	5,82,73,382	41,20,288	17,02,346	50,00,000	5,90,96,016
Slum Clearance (City)	2,18,49,793	15,95,737	8,35,293	..	2,42,80,823
Slum Clearance (Subs.)	2,14,15,141	15,43,704	8,57,236	..	2,38,16,081
Slum Improvement	55,99,013	4,05,864	3,64,534	..	63,69,411
Total ..	10,71,37,329	76,65,593	37,59,409	50,00,000	11,35,62,331

	Bookvalue of securities cash as on 31-3-89	Marketvalue of securities Interest which accrued upto 31-3-89	Amount of Sinking Fund should have accumulated 31-3-1989	Excess in Sinking Fund as on 31-3-89
	Rs.	Rs.	Rs.	Rs.
Improvement Schemes ..	5,90,96,016	5,95,08,156	3,70,93,148	2,24,15,008
Slum Clearance (City) ...	2,42,80,823	2,44,19,992	1,97,53,767	46,66,225
Slum Clearance (Subs.) ..	2,38,16,081	2,38,99,443	2,00,00,468	38,98,975
Slum Improvement ...	63,69,411	63,70,708	61,50,697	2,20,011
Total ..	11,35,62,331	11,41,98,299	8,29,98,080	3,12,00,219

S. G. KULKARNI
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.

	1988-89			Actuals for 1987-88
	Budget Estimates	Revised Estimates	Actuals	
	Rs.	Rs.	Rs.	Rs.
Opening Balance ..	55,191	20,086	20,086	20,651
Income ..	95,84,97,590	95,82,20,970	94,00,68,903	71,56,76,483
Expenditure ..	95,85,31,280	95,82,12,600	91,23,66,098	69,49,71,876
Surplus or Deficit during the year (+) (—) ..	—33,690	+8,370	+2,77,02,805	+2,07,04,607
Balance ..	+21,501	+28,456	+2,77,22,891	+2,07,25,258
Add : Decrease or Increase in Reservations as shown in (ii) below ..			—2,77,00,696	—2,07,05,172
Closing Balance ..	+21,501 (Surplus)	+28,456 (Surplus)	+22,195 (Surplus)	+20,086 (Surplus)

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

	Increase/Decrease (+) (—)		1988-89	1987-88
			Rs.	Rs.
In Miscellaneous Advances ..			+66,86,496	—17,21,628
In Renewed Grants ..			+2,10,14,200	+2,24,26,800
Net Increase or Decrease (+) (—) ..			+2,77,00,696	+2,07,05,172

(iii) The net unhypothecated Surplus Cash Balance on 31st March 1989 was as under :—

Liability		Assets.	
Miscellaneous Advance * ..	1,75,49,643	Surplus Revenue ..	1,75,71,838
Minimum required by Law ..	20,000	Fund as per ..	
Surplus Cash Balance ..	2,195	Appendix No. 59.	
Total ..	1,75,71,838	Total ..	1,75,71,838

Note : Misc. Advances adjustable 1,75,49,642.45
 Misc. Advances recoverable 3,44,50,308.09

Total as per Appendix No. 67 .. 5,19,99,950.54

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

Opening Debt on 1st April 1988	Loan raised during the year	Repayment of debt during the year.	Outstanding Debt on 31st March 1989
Rs.	Rs.	Rs.	Rs.
35,90,50,000	1,20,00,000	2,65,50,000	34,45,00,000

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

Amount of Fund on 1st April 1988	Interest etc. realised	Sinking Fund Instalments	Total Sinking Fund	Withdrawal for Repayment of Loans	Amount of Fund on 31st March 1989
Rs. 6,99,28,930	Rs. 45,50,614	Rs. 1,75,56,590*	Rs. 9,20,36,134	Rs. 2,65,50,000	Rs. 6,54,86,134

Book value of securities and cash as on 31-3-1989	Market value of securities with interest accrued upto 31-3-1989 and cash as on 31-3-1989	Amount of Sinking Fund which should have accumulated upto 31-3-1989	Deficit in Sinking Fund as on 31-3-1989
Rs. 6,54,86,134	Rs. 6,57,22,079	Rs. 6,57,21,724	Rs. 355

* Additional Contribution of Rs. 42,38,130.93 to wards Sinking funds A/c. has been made during the year 1988-89 to cover the deficit under Sinking fund A/c. as on 31-3-1989.

The value of securities held in Sinking Fund Account on the basis of Market rates prevailing on 31st March 1989 including accrued interest and cash is more than the actual amount of the Sinking Fund by Rs. 355 which is held in the Sinking Fund Account.

Income

(vi) Position of the Income excluding the Special Contribution from Budget 'A' during the year 1988-89 is as shown below :-

Budget Estimates.	Revised Estimates.	Actuals	Increase (+) Decrease (-) Compared with	
			Budget Estimates.	Revised Estimates.
Rs. 31,45,07,590	Rs. 30,87,80,970	Rs. 31,17,88,903	Rs. -27,18,687	Rs. +30,07,933

To cover the deficit, an amount of Rs. 6,282,80,000 (as against Budget Estimates of 64,39,90,000 and Revised Estimates of Rs. 64,9440,000) 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. 1,02,20,84,410 as follows :-

Budget Grants	Rs. 95,85,31,280
Unexpended Grants for previous years renewed for Expenditure ..	5,95,59,800
Additional Grants	39,93,330
Final sanctioned Grants ..	1,02,20,84,410

The transfer from one Budget Grant to another without affecting the total Budget provision of the year amounting to Rs. 2,49,497.

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

Final Grant 1988-89	Actuals 1988-89	Balance Grant as on 31-3-1989	Amount Reserved for Renewal during the year 1989-90	Balance of Grant treated as saving.
Rs. 1,02,20,84,410	Rs. 91,23,66,098	Rs. 10,97,18,312	Rs. 8,05,74,000	Rs. 2,91,44,312

(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	
	1988-89	1988-89	1987-88
	Rs.	Rs.	Rs.
Budget—E	77,94,05,622	85.54	85.45

Loan Fund

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

Opening Balance as on 1-4-1988	Loan Receipts.	Total	Loan Works expenditure.	Closing Balance as on 31-3-1989
Rs. 3,62,21,967	Rs. 1,20,00,000	Rs. 4,82,21,967	Rs. 2,33,57,491	Rs. 2,48,64,476

(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.
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
1988-89	7,42,04,890	6,19,41,850	2,33,57,491	31.5	37.7

V. K. KADAM,
Jt. Chief Accountant.

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

Particulars.	1984-85.	1985-86.	1986-87.	1987-88.	1988-89
<i>General.</i>					
1. Area of the Greater Bombay (in sq. Kms.)...	466.36	466.36	466.36	466.36	466.35
Population ...	†† 82,43,405	* 95,65,000	* 98,61,000	* 99,28,000	* 1,01,85,300
<i>Rates and Assessments.</i>					
3. Rateable value Rs.	2,01,14,75,756	2,21,23,66,719	2,43,85,22,083	2,81,32,09,969	3,07,91,55,916
4. Rateable value Rs. per head of population.	Rs. 244.01	Rs. 231.30	Rs. 247.29	Rs. 283.36	Rs. 302.31
5. Properties registered in the Assessment Book	2,21,129	2,19,105	2,30,043	2,23,232	2,20,821
<i>Income.</i>					
6. General Tax (@24% of R.V.) ..	Rs. 44,14,10,665	Rs. 46,33,99,911	Rs. 52,81,34,685	Rs. 54,67,94,717	Rs. 57,01,36,649
7. Income from other sources ...	2,22,65,24,034	2,47,19,27,923	2,75,44,05,029	3,19,32,32,856	3,76,44,17,296
Total Income	2,66,79,34,699	2,93,53,27,839	3,28,25,39,714	3,74,00,27,573	4,33,45,53,945
8. Incidence of Taxation per head	‡‡ 270.01	‡‡ 255.43	‡‡ 274.04	‡‡ 316.79	‡‡ 352.97
<i>Loans.</i>					
9. Debt outstanding ...	Rs. 2,62,43,25,541	Rs. 3,24,01,83,594	Rs. 3,72,25,86,272	Rs. 4,09,57,75,017	Rs. 4,22,09,51,365
10. Redemption and Sinking Funds in hand or invested ...	42,33,42,466	45,14,91,474	54,37,10,581	57,00,51,618	59,15,96,539
11. Net Loan Debt ...	2,20,09,83,075	2,78,86,92,120	3,17,88,75,691	3,52,57,13,399	3,62,93,54,826
12. Net Debt per head of population ...	267.00	291.55	322.36	355.13	356.33
<i>Expenditure</i>					
13. Contribution to Primary Education ...	Rs. 43,20,30,310	Rs. 39,08,44,240	Rs. 48,87,51,870	Rs. 53,60,60,670	Rs. 73,17,73,620
14. Medical Relief ...	42,15,96,822	48,89,99,579	52,57,28,317	58,28,00,428	68,51,21,680
15. Other Civic services	141,27,58,023	1,53,53,78,825	1,62,84,93,372	2,10,30,03,587	2,54,57,22,247
16. Debt Charges ..	29,07,42,475	33,34,23,597	40,35,16,822	47,91,51,916	51,83,88,830
Total Expenditure ...	2,55,71,27,630	2,74,86,46,241	3,04,64,90,381	3,70,10,26,601	4,48,10,06,377

‡‡ Incidence of Taxation per head of population exclusive of Water Tax, Sewerage Tax and Education Cess.

††† 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 1989

Particulars	Total	Particulars	Total
	Rs. P.		Rs. P.
To Revenue Expenditure ...	4,48,10,06,377.01	By Revenue Receipts ...	4,33,45,53,944.30
		By Deficit for the year ...	14,64,52,432.71
	4,48,10,06,377.01		4,48,10,06,377.01
	Rs. P.		Rs. P.
To Revenue Expenditure to be incurred in 1989-90 and provided for as renewed grants ... 53,91,00,000.00	53,91,00,000.00	By Surplus Revenue Fund as at 1st April 1988 ...	66,26,66,074.18
To Deficit for the year ...	14,64,52,432.71		66,26,66,074.18
10 Balance being Surplus Revenue Fund as at 31st March 1989 as per Appendix No. 5 of Division I -		By Revenue of previous years reserved for the year 1988-89 ... 48,00,00,000.00	48,00,00,000.00
I + 5,50,77,27,778.88			
II - 3,30,57,60,622.25	45,71,13,641.47		48,00,00,000.00
III - 1,74,48,53,515.16			
	1,14,26,66,074.18		1,14,26,66,074.18

Appendix No 5

Revenue & Suspense Account, Balance Sheet as on 31-3-1939.

Budget 'A'

(Consolidated)

Liabilities	Amount				Assets	Amount			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
(A) Outstanding Liabilities—					Cash at Bank—				
Cash Bill Outstanding					Div. I .. Dr.	1,87,65,903.09			
Budget 'A' Div. I ..	4,80,098.36				Div. II .. Cr.	45,17,172.37			
" II ..	8,73,501.74				Div. III .. Dr.	2,84,86,858.45			
" III ..	53,308.36		14,06,908.46						Dr. 427,35,589.17
Cheques Payable A/c					Cash in Office—				
Budget 'A' Div. I ..	5,32,46,286.31				Div. I ..	20,28,74,195.60			
" II ..	65,97,751.06				Div. II ..	8,68,09,741.32			
" III ..	77,17,294.35		6,75,61,331.72		Div. III ..	4,11,55,258.67			33,08,39,195.59
Stores Purchase Outstanding A/c			1,22,77,292.37		Municipal Loans-Interest Warrant Payable Account				
Stock Adjustment A/c			5,61,917.68		Budget 'A' Div. I ..	39,710.82			50,611.07
Capital Stores Purchase A/c (Fors Rd.)			6,80,180.47		" II ..	10,900.25			6,054.55
Outstanding charges for 1937-38 and previous year					B. I. T. Loans Interest Warrant Payable Account				760.00
Budget 'A' Div. I ..	25,56,00,000.00				Interest on B. I. T. Loans payable Account				97,705.16
" II ..	14,35,00,000.00				Interest on Suburban Loan with State Bank of India Budget 'A' Div. II ..				18,48,19,634.66
" III ..	14,00,00,000.00		53,91,00,000.00		Due for Stores Sold Capital Stores Stock F. Rd.				36,30,32,015.16
Outstanding charges in respect of Interest Accrued but not paid					Stock Adjustment A/c in respect of the amount of Stock in hand & work in Progress App. 13(A)				Advances Recoverable Account Budget 'A' Div. I ..
Budget 'A' Div. I ..	2,20,25,276.43				" II ..	11,93,51,150.12			15,03,90,584.19
" II ..	3,31,16,770.04				" III ..	3,10,39,434.07			Cr. 45,19,161.79
" III ..	1,68,055.54		5,53,10,102.01		Capital Stores Purchase A/c ..				Cr. 486,93,187.03
Deposit in Cash and Public Securities from contractors and Private Parties					Capital Store Stock A/c ..				6,06,74,005.22
Budget 'A' Div. I ..	97,87,14,316.28				Unadjusted Reserve Stores A/c Stock				Cr. 554,36,126.18
" II ..	50,79,46,829.16				Unadjusted Reserve Stores A/c Stock (F. R.)				Cr. 5,58,868.17
" III ..	19,20,07,942.65		167,86,69,088.09		Advance from Surplus Moneys for financing Capital work Expenditure—				
Pension Recovery cheques Payable A/c			Dr. 2,39,28,159.21		Budget 'A' Div. I ..				
Interest on loans payable A/c Budget 'A' Div. I ..	4,410.00				" II ..				
" II ..	1,32,807.96		1,37,217.96		" III ..				
Amount Payable to Budget 'G'			14,074,16,134.97		Budget 'B'	54,91,86,661.82			54,91,86,661.82
Amount Payable to Budget 'E'			9,79,40,994.06		Deposit in Securities from Pub. With State Bank of India—				
					Budget 'A' Div. I ..	1,84,14,660.00			
					" II ..	14,56,540.12			1,98,71,200.12
					In Office—				
					Budget 'A' Div. I ..	4,60,363.01			
					" II ..	22,17,805.00			
					" III ..	9,97,730.00			36,75,898.01
					Investment of Surplus Moneys in Public Securities				38,013.14
					Investments of Balance held—				
					In Securities ..	7,04,07,337.77			
					In Fixed Deposits ..	20,887,48,100.00			
					In Interest bearing Current A/c ..	56,74,143.83			
					In Cash with S. B. I. ..	12,27,519.89			
					Treasury Bill ..	50,17,250.00			
									217,10,74,351.49
									376,72,84,936.18
Total C. F.			383,71,33,008.58		Total C. F.				376,72,84,936.18

Appendix No. 5 —Contd.

Revenue & Suspense Account Balance Sheet as at 31-3-1989. (Contd.)

Budget 'A'

(Consolidated)

LIABILITIES	AMOUNT		ASSETS	AMOUNT	
	Rs.	P.		Rs.	P.
Total—B. O. ..	38371,33,008.58		Total—B. O. ..	3,76,72,44,936.18	
(B) Special Fund Account			Investment of Special Funds in Securities		
Municipal Fire and Accident Insurance Fund A/c ..	1,18,74,879.29		Provident Fund ..	1,46,12,30,946.56	
Net Premia Fund Account ..	18,33,280.41		Hospital Fund— Budget 'A' Div. II ..	2,00,000.00	
Provident Fund Account ..	157,18,46,473.91		Budget 'A' Div. I ..	20,14,300.00	22,50,400.00
Pension Fund Account ..	38,68,47,877.68		Fidelity Guarantee Ins. Fund ..		13,29,400.00
Hospital Fund Account— Budget 'A' Div. I ..	20,14,383.72		Public Monument Maintenance Fund ..		
" II ..	2,36,191.87		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 ..	14,87,780.20		Endowment Fund ..		13,61,288.89
Gratuities Fund A/c ..	4,48,247.55		Motor Vehicles (Third Party) Insurance Fund ..		11,50,000.00
			Tree Authority Fund ..		72,78,800.00
			Mechanically Propelled Vessels (T.P) Insurance Fund ..		5,00,090.00
			Municipal Fire & Accident Insurance Fund ..		1,18,74,800.00
Fidelity Guarantee Insurance Fund A/c ..	13,29,463.97		Land (R&A) Fund ..		
Land (Recl. & Acqn.) Fund Account ..	3,36,08,711.50		Fire Brigade Employees (Operational Staff) Accident Compensation Fund ..		11,24,500.00
Public Monument Maintenance Fund Account— Budget 'A' Div. I ..	1,22,963.34		Net Premia Fund ..		18,33,200.00
	16,317.94		G. S. M. College & K. E. M. Hospital Research Fund ..		8,88,700.00
		1,39,283.28	Pension Fund ..		
Endowment Fund Account ..	14,28,502.04		Total—Inv. in Securities ..		1,49,09,61,208.79
Fire Brigade Employees (Operational Staff) Accident Compensation Fund A/c ..	11,24,534.73		Investment of Special Funds in Fixed Deposit and Cash etc.		
Motor Vehicles (Third Party) Insurance Fund A/c ..	12,00,000.00		Municipal Fire and Accident Insurance Fund ..		79.29
Mechanically Propelled Vessels (T. P.) Insurance Fund A/c ..	6,09,349.70		Net Premia Fund ..		80.41
Development Fund for Secondary Schools A/c ..	2,39,03,163.49		Provident Fund ..		11,06,15,527.35
Tree Authority Fund A/c ..	78,871.72		Pension Fund ..		38,68,47,877.68
			Hospital Fund ..		
			Budget 'A' Div. I ..	83.72	
			" II ..	91.87	175.59
			G. S. M. College and K. E. M. Hospital Research Fund ..		5,99,080.20
			Gratuities Fund ..		4,48,247.55
			Fidelity Guarantee Insurance Fund ..		63.97
			Land (Recl. & Acqn.) Fund ..		3,36,08,711.50
			Public Monuments Maintenance Fund ..		
			Budget 'A' Div. I ..	92.00	
			" II ..	17.94	109.94
			Endowment Fund ..		67,213.15
			Fire Brigade Employees (Operational Staff) Accident Compensation Fund ..		34.73
			Motor Vehicles (Third Party) Insurance Fund ..		50,000.00
			Mechanically propelled vessels (T. P.) Insurance Fund ..		1,09,349.70
			Development Fund for Secondary Schools ..		2,39,03,163.49
			Tree Authority Fund ..		71.72
			Total Investment in Fixed Deposits and in Cash ..		55,62,49,786.27
Total—Special Fund A/c ..	20472,10,995.09		Total Investment Special Fund ..		2,04,72,10,995.06
Total—C. F. ..	58843,44,003.64		Total—C. F. ..		5,81,44,95,931.24

Appendix No. 5 (Conold.)

Revenue & Expenditure Account, Balance Sheet as on 31-3-1989. (Concl.)

Budget 'A'

(Consolidated)

Liabilities	Amount				Assets	Amount.			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
Total—B.O. ..			588,43,44,003.64		Total—B.O. ..			581,44,95,931.24	
G) Surplus Revenue Fund A/c.					Investment of Surplus Revenue Fund				
Budget 'A' Div. I ..	550,77,27,778.88				General Reserve Stores Account Stock—(App 17) ..			88,56,665.55	
.. II (Deficit) ..	330,57,60,622.25				Advances out of S. C. B.—				
.. III (Deficit) ..	1,74,48,53,515.16				Budget 'A' Div. I ..	29,79,11,788.34			
			45,71,13,641.47		.. II ..	12,00,48,808.78			
					.. III ..	5,70,55,095.33		47,50,15,692.45	
					Advances to A. A. Cash for disbursement for March Salary ..			4,30,89,355.87	
					Investments of Balance held In Securities ..			..
					In Fixed Deposits ..			..
					In Interest bearing Current A/c. ..			..
					In Cash with S.B.I. ..			..
			45,71,13,641.47		Total Surplus Revenue Fund ..			52,69,61,713.87	
Grand Total ..			634,14,57,645.11		Grand Total ..			634,14,57,645.11	

Investments of Surplus Fund.

Budget 'A'	Securities		Fixed Deposit		Treasury bill		Interest bearing Current A/c.		State Bank of India. Cash Deposits		Total	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Division I ..	4,97,25,837.77		2,01,30,902.00	200.00	50,17,250.00		46,10,711.95		11,31,250.31		2,07,35,75,250.03	
Division II (W.S.) ..	76,90,500.00								95,814.48		77,86,314.48	
Division III (H.S.) ..	1,29,91,000.00		7,56,57,900.00				10,63,431.88		455.10		8,97,12,786.98	
Total ..	7,04,07,337.77		2,08,87,48,100.00		50,17,250.00		56,74,143.83		12,27,519.89		2,17,10,74,351.49	

APPENDIX No. 8
(CONSOLIDATED)
Capital Works Expenditure Budget 'A' (Summary).

CAPITAL ACCOUNT	TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1988				CAPITAL WORKS EXPENDITURE DURING THE YEAR 1988-89				TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1989			
	Div.—I (City)	Div.—II (W. S.)	Div.—III (E. S.)	Total	Div.—I (City)	Div.—II (W. S.)	Div.—III (E. S.)	Total	Div.—I (City)	Div.—II (W. S.)	Div.—III (E. S.)	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Loan Funds—												
I.—General Supervision etc.	9,74,07,181	4,85,07,258	6,48,769	14,65,63,208	49,81,615	7,54,384	..	57,35,999	10,23,88,796	4,92,61,642	6,48,769	15,22,99,207
Education, Primary	27,98,012	1,24,024	..	29,22,036	..	..	..	..	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	67,040	..	16,35,239
III.—Street Cleansing and Conservancy etc.	4,22,82,028	2,62,68,524	1,07,43,820	7,92,94,372	40,56,564	12,17,456	15,03,801	67,77,821	4,63,38,592	2,74,85,980	1,22,47,621	8,60,72,193
IV.—S. W. Drains etc.	40,89,04,201	41,64,23,886	5,11,31,893	87,64,59,980	2,82,00,150	63,61,008	1,68,48,044	5,14,09,202	43,71,04,351	42,27,84,894	6,79,79,937	92,78,62,182
V.—Mechanical	17,02,072	67,376	..	17,69,648	..	..	..	..	17,02,072	67,376	..	17,69,648
VI.—Bldgs. Land Acqn. etc.	17,77,04,276	7,24,51,627	1,04,34,051	26,05,89,954	Cr. 58,95,611	Cr. 47,72,454	Cr. 24,10,977	Cr. 1,30,79,042	17,18,08,665	6,76,79,173	80,23,074	24,75,10,912
VII.—Fire Brigade	2,16,34,221	4,54,98,971	3,56,668	6,74,89,860	5,99,157	5,79,353	..	11,78,504	2,22,33,372	4,60,78,324	3,56,668	6,86,68,364
VIII.—Licensing, Removal of Encroachments	12,96,652	..	..	12,96,652	..	..	..	..	12,96,652	..	..	12,96,652
IX.—Gardens & Open Spaces.	3,68,25,888	15,42,52,505	8,65,65,007	29,76,43,400	1,37,00,089	1,47,87,908	36,08,698	3,20,96,695	7,05,25,977	16,90,40,413	9,01,73,705	32,97,40,095
X.—Markets	7,57,09,572	3,47,50,466	43,43,021	11,48,03,059	60,08,544	7,84,221	8,82,991	76,75,756	8,17,18,116	3,35,34,687	52,26,012	12,24,78,815
XI.—Donor Abattoir	5,70,51,212	..	3,20,78,154	8,91,29,366	..	..	20,19,454	20,19,454	5,70,51,212	..	3,40,97,608	9,11,48,820
Slum Service	50,75,492	..	..	50,75,492	..	..	..	..	50,75,492	..	..	50,75,492
XII.—Village Amenities	..	1,22,10,469	64,09,690	1,86,20,159	..	73,64,779	37,95,765	1,11,60,544	..	1,95,75,248	1,02,05,455	2,97,80,703
Measures for Civil Defence	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
XIII.—Industrial Estates.	1,32,09,418	80	..	1,32,09,498	3,238	..	..	3,238	1,32,12,656	80	..	1,32,12,736
XIV.—Centenary Celebration Works	..	2,85,00,273	82,74,935	3,67,75,208	..	5,082	14,751	19,833	..	2,85,05,355	82,89,686	3,67,95,041
Municipal Power Laundry	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
XV.—Traffic Operations	68,94,06,737	80,18,50,189	28,14,19,775	1,77,26,76,701	4,13,94,148	1,67,97,606	2,57,40,371	8,39,32,125	73,08,00,885	81,86,47,795	30,71,60,146	1,85,66,08,826
XVI.—Works under B. U. D. P. I.	6,07,63,744	..	..	6,07,63,744	1,50,56,488	..	..	1,50,56,488	7,58,20,232	..	..	7,58,20,232
XVII.—Public Health Department	3,66,96,096	4,34,47,407	72,83,683	8,74,27,126	24,07,177	28,29,793	18,80,787	71,17,757	3,91,03,213	4,62,77,200	91,64,470	9,45,44,883
XVIII.—Medical Relief & Education	48,65,05,705	20,36,06,214	2,18,88,092	71,19,98,011	2,78,54,679	62,85,206	26,48,096	3,67,87,981	51,43,58,384	20,98,91,420	2,45,36,188	74,87,85,992
XIX.—Measures to control environmental air pollution in Greater Bombay.	1,37,60,450	..	..	1,37,60,450	..	..	..	..	1,37,60,450	..	..	1,37,60,450
Suspension Account, Mechanical Transport compost plant & Printing Press	96,16,876	3,03,29,041	94,318	4,00,40,235	6,01,519	10,65,088	..	16,66,607	1,02,18,395	3,13,94,129	94,318	4,17,06,142
Slum relocation programme on site of implementation of major project in Brihan Mumbai	62,29,829	..	..	62,29,829	30,29,191	..	..	30,29,191	92,59,020	..	..	92,59,020
Plant and Machinery out of different Special Fund.	55,823	..	..	55,823	..	..	..	..	55,823	..	..	55,823
Plant and Machinery out of Loan Fund	7,39,76,636	2,27,93,606	48,13,535	10,15,83,777	1,03,73,938	42,71,967	26,40,626	1,72,86,531	8,43,50,574	2,70,65,573	74,54,161	11,88,70,308
Total (1) Loan Fund	2,34,08,70,412	1,94,11,94,379	52,64,85,411	4,80,85,50,202	15,23,70,880	5,83,31,397	5,91,72,407	26,98,74,684	2,49,32,41,292	1,99,95,25,776	58,56,57,818	5,07,84,24,886
Trust Fund												
Works executed	1,04,97,634	9,84,925	..	1,14,82,559	63,38,540	2,57,976	..	65,96,516	1,68,36,174	12,42,901	..	1,80,79,075
Land Bldg. Fund	43,03,044	..	..	43,03,044	..	..	..	..	43,03,044	..	..	43,03,044
Land purchased & Bldgs. erected	..	..	..	..	..	..	..	..	..	..	..	..
Grand Total.	2,35,56,71,090	1,94,21,79,304	52,64,85,411	4,82,43,35,805	15,87,09,420	5,85,89,373	5,91,72,407	27,64,71,200	2,51,43,80,510	2,00,07,68,677	58,56,57,818	5,10,08,07,005

APPENDIX No. 11

(Consolidated)

Outstanding Balances of Loans on 31st March 1989 pertaining to Budget 'A',

Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1989	Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1989
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. 100 lakhs Loan 1964-65	4 1/2%	1,00,00,000.00	38	Rs. 70 lakhs Loan 1964-65	4 1/2%	70,00,000.00
2	Rs. 300 lakhs Loan 1965-66	6%	3,00,00,000.00	39	Rs. 50 lakhs Loan 1965-66	6%	50,00,000.00
3	Rs. 200 lakhs Loan 1965-66	6%	2,00,00,000.00	40	Rs. 50 lakhs Loan 1966-67	6%	50,00,000.00
4	Rs. 400 lakhs Loan 1966-67	6%	4,00,00,000.00	41	Rs. 50 lakhs Loan 1967-68	6%	50,00,000.00
5	Rs. 250 lakhs Loan 1966-67	6%	2,50,00,000.00	42	Rs. 50 lakhs Loan 1968-69	6%	50,00,000.00
6	Rs. 800 lakhs Loan 1967-68	6%	8,00,00,000.00	43	Rs. 100 lakhs Loan 1972-73	6%	1,00,00,000.00
7	Rs. 325 lakhs Loan 1968-69	6%	3,25,00,000.00	44	Rs. 100 lakhs Loan 1973-74	6%	1,00,00,000.00
8	Rs. 200 lakhs Loan 1972-73	6%	2,00,00,000.00	45	Rs. 100 lakhs Loan 1974-75	6 1/2%	1,00,00,000.00
9	Rs. 400 lakhs Loan 1972-73	6%	4,00,00,000.00	46	Rs. 250 lakhs Loan 1975-76	6 1/2%	2,50,00,000.00
10	Rs. 250 lakhs Loan 1973-74	6%	2,50,00,000.00	47	Rs. 300 lakhs Loan 1976-77	6 1/2%	3,00,00,000.00
11	Rs. 250 lakhs Loan 1974-75	6 1/2%	2,50,00,000.00	48	Rs. 250 lakhs Loan 1976-77	6 1/2%	2,50,00,000.00
12	Rs. 100 lakhs Loan 1975-76	6 1/2%	1,00,00,000.00	49	Rs. 250 lakhs Loan 1978-79	6 1/2%	2,50,00,000.00
13	Rs. 300 lakhs Loan 1976-77	6 1/2%	3,00,00,000.00	50	Rs. 850 lakhs Loan 1979-80	7%	8,50,00,000.00
14	Rs. 400 lakhs Loan 1977-78	7 1/2%	4,00,00,000.00	51	Rs. 450 lakhs Loan 1980-81	7%	4,50,00,000.00
15	Rs. 150 lakhs Loan 1978-79	6 1/2%	1,50,00,000.00	52	Rs. 250 lakhs Loan 1980-81	6 1/2%	2,50,00,000.00
16	Rs. 150 lakhs Loan 1979-80	6 1/2%	1,65,00,000.00		Total Div. II		33,00,00,000.00
17	Rs. 550 lakhs Loan 1979-80	6 1/2%	5,50,00,000.00		BUDGET 'A' Div. III (Extd. Subs.)		
18	Rs. 450 lakhs Loan 1980-81	7%	4,95,00,000.00		Loan raised from Public		
19	Rs. 800 lakhs Loan 1980-81	6 1/2%	8,00,00,000.00	53	Rs. 25 lakhs Loan 1964-65	4 1/2%	25,00,000.00
20	Rs. 600 lakhs Loan 1981-82	7 1/2%	6,60,00,000.00	54	Rs. 50 lakhs Loan 1965-66	6%	50,00,000.00
21	Rs. 500 lakhs Loan 1981-82	7%	5,00,00,000.00	55	Rs. 40 lakhs Loan 1966-67	6%	40,00,000.00
22	US 6.50 Millions Loan from World Bank (I B R D) thro. BMRDA	9.2%	2,82,23,587.79	56	Rs. 20 lakhs Loan 1967-68	6%	20,00,000.00
23	Rs. 600 lakhs Loan 1982-83	7 1/2%	6,60,00,000.00	57	Rs. 100 lakhs Loan 1967-68	6%	1,00,00,000.00
24	Rs. 600 lakhs Loan 1982-83	7 1/2%	6,00,00,000.00	58	Rs. 100 lakhs Loan 1972-73	6%	50,00,000.00
25	Rs. 600 lakhs Loan 1983-84	8 1/2%	6,60,00,000.00	59	Rs. 50 lakhs Loan 1973-74	6%	50,00,000.00
26	Rs. 700 lakhs Loan 1983-84	8 1/2%	7,00,00,000.00	60	Rs. 50 lakhs Loan 1974-75	6 1/2%	50,00,000.00
27	Rs. 1100 lakhs Loan 1984-85	9%	12,10,00,000.00	61	Rs. 50 lakhs Loan 1975-76	6 1/2%	50,00,000.00
28	Rs. 700 lakhs Loan 1984-85	9%	7,00,00,000.00	62	Rs. 150 lakhs Loan 1976-77	6 1/2%	1,50,00,000.00
29	Rs. 546 lakhs Loan 1985-86	9 1/2%	5,46,00,000.00	63	Rs. 75 lakhs Loan 1976-77	6 1/2%	75,00,000.00
30	Rs. 2000 Lakhs Loan 1985-86	9 1/2%	20,00,00,000.00	64	Rs. 425 lakhs Loan 1979-80	7 1/2%	4,25,00,000.00
31	Rs. 76 Lakhs Loan from General Insurance Corporation of India through G. O. M. for Purchase of Capital Fire Fight Equipments 1985-86	9 1/2%	60,79,999.99	65	Rs. 450 lakhs Loan 1980-81	7 1/2%	4,50,00,000.00
32	Rs. 51.97 Crores Loans for Affordable Low Income Shelter Programme B.U.D.P.-I	8 1/2%	10,63,70,148.00		Rs. 150 lakhs Loan 1980-81	6 1/2%	1,50,00,000.00
33	Rs. 1100 lakhs Loan 1986-87	11%	11,00,00,000.00		Total Div. III		17,22,50,000.00
34	Rs. 1000 lakhs Loan 1986-87	11%	10,00,00,000.00		Budget 'A' Div. II (Subs. / Ext. Subs.)		
35	Rs. 1354 lakhs Loan 1987-88	11%	13,54,00,000.00	66	Rs. 650 lakhs Loan 1981-82	7 1/2%	7,15,00,000.00
36	Rs. 300 lakhs Loan 1987-88	11%	3,00,00,000.00	67	Rs. 100 lakhs Loan 1981-82	7 1/2%	1,10,00,000.00
37	Rs. 1610 lakhs Loan 1988-89	11 1/2%	16,10,00,000.00	68	Rs. 500 Lakhs Loan 1981-82	7 1/2%	5,00,00,000.00
	Total		2,14,41,73,735.78	69	Rs. 775 lakhs Loan 1982-83	7 1/2%	8,52,50,000.00
	Less; Amount transferred to Budget 'G'		-18,34,17,531.31	70	Rs. 500 lakhs Loan 1982-83	7 1/2%	5,00,00,000.00
	Total Div. I		1,96,10,56,204.47		Total Div. II		26,77,50,000.00
					Total		77,00,00,000.00
					Less; Amount transferred to Budget 'G'		-2,74,36,560.00
					Total Div. II & III		74,25,63,440.00
					Budget 'A' Div. II (W. S.)		
				71	Rs. 800 lakhs Loan 1983-84	8 1/2%	8,80,00,000.00
				72	Rs. 1500 lakhs Loan 1984-85	9 1/2%	16,50,00,000.00
				73	Rs. 2200 Lakhs Loan 1985-86	9 1/2%	22,00,00,000.00
				74	Rs. 1089 lakhs Loan 1986-87	11%	10,89,00,000.00
				75	Rs. 600 lakhs Loan 1986-87	11 1/2%	6,00,00,000.00
				76	Rs. 1870 lakhs Loan 1977-78	11 1/2%	18,70,00,000.00
				77	Rs. 430 lakhs Loan 1988-89	11 1/2%	4,30,00,000.00
					Total Div. II (W. S.)		87,19,00,000.00
					Budget A Div. III (E. S.)		
				78	Rs. 400 lakhs Loan 1983-84	8 1/2%	4,00,00,000.00
				79	Rs. 500 lakhs Loan 1984-85	9%	5,00,00,000.00
				80	Rs. 2000 Lakh Loan 1985-86	9 1/2%	20,00,00,000.00
				81	Rs. 1500 Lakhs Loan 1886-87	11%	15,00,00,000.00
				82	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'		416,55,19,644.47

APPENDIX—15

(Consolidated)

Budgets 'A' and 'B'

Statement showing Receipts and Expenditure during the year 1983-89 and balance to the credit of the Municipal General Fund at the close of the year i. e. 31st March 1989.

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' (Part I)								
RECEIPTS								
A) Revenue Account Receipts								
1 General Tax, Indirect Taxation and Miscellaneous Revenue								
A—General Tax	22,88,59,019.15		24,66,20,013.02		9,46,57,616.66		57,01,36,648.83	
B—Octroi	2,97,55,91,140.33		..		..		2,97,55,91,140.33	
BB—Theatre Tax	16,98,967.85		10,60,690.50		6,24,763.90		33,84,422.25	
C—Other Receipts								
(a) Grant-in-Aid of Fees for land conveyance, Music etc. Licenses	6,112.00		..		..		6,112.00	
(b) Grant-in-Aid in respect of Fines for Offences against the Law	39,92,408.88		..		..		39,92,408.88	
(c) Interest and Profit on Investment of Surplus Loan and Other Balances	4,92,37,068.88		1,54,36,606.52		80,55,652.00		7,27,29,327.40	
(d) Miscellaneous	3,36,51,651.86		66,71,442.52		12,92,183.80		4,16,15,278.18	
(e) Receipts on account of Municipal Journal	22,676.50		..		..		22,676.50	
D—Receipts on account of proportionate Cost of Collection of Education Cess	9,97,557.00		5,64,150.75		3,03,826.41		18,65,534.16	
E—Rebate from Govt. on account of collection of Education Cess	..		..		..		..
Total	3,29,40,56,602.45		27,03,52,903.31		10,49,34,042.77		3,66,93,43,548.53	
2. Museums.	2,22,362.00		..		..		2,22,362.00	
3. Free Reading Rooms and Libraries.	..		3,285.00		..		3,285.00	
4. Municipal High School	6,84,18,286.91		..		..		6,84,18,286.91	
5. Street Cleaning, Conservancy and Haalkhore Service	1,63,03,643.57		48,06,512.61		25,87,749.52		2,36,97,905.70	
6 S. W. Drains etc.	Dr. 23,203.00		2,49,668.03		11,627.81		2,38,092.84	
7 Mechanical and Electrical	15,74,375.60		3,80,980.81		867.54		19,56,223.95	
8. Buildings, Land Acquisition and Management.								
A—Sale Proceeds of Land.	51,582.99		..		..		51,582.99	
B—Other Receipts.								
(a) Rent of Buildings.	73,09,133.27		9,37,941.09		33,524.57		82,80,598.93	
(b) Ground Rent.	17,01,691.78		48,028.98		1,36,855.48		18,86,576.24	
(c) Miscellaneous	2,47,81,261.12		6,34,90,850.40		2,09,73,391.56		10,92,45,503.08	
(d) D. P. Remarks	33,665.50		..		..		33,665.50	
(e) Sale of carted copy of B from	1,71,796.61		11,237.86		..		1,83,034.47	
C—Contribution from Capital Funds on account of Special Land Acquisition Staff.	26,08,550.67		..		..		26,08,550.67	
	3,66,57,681.94		6,44,88,058.33		2,11,43,771.61		12,22,89,511.88	
9. P. S. Mills								
A—P. S. Tax	1,45,86,966.93		1,55,07,931.98		62,64,763.50		3,63,54,662.41	
B—Other Receipts								
	1,30,036.08		96,101.68		4,196.25		1,70,334.01	
	1,47,17,003.01		1,55,39,033.66		62,68,959.75		3,65,24,996.42	
10. Licensing and Removal of Encroachments on Public Streets.								
A—Licences for Dangerous and Offensive Trades	2,62,41,135.51		1,88,91,225.36		1,16,62,223.39		5,67,94,584.26	
B—Removal of Encroachments on Public Streets etc.	2,17,64,367.55		61,99,633.07		25,35,161.45		3,04,99,162.07	
C—Miscellaneous								
	2,52,21,259.66		1,69,36,245.64		65,03,322.07		4,86,60,827.37	
	7,32,26,762.72		4,20,27,104.07		2,07,00,706.91		13,59,54,573.70	
11. Administration of Shops and Establishments Act 1948.	27,39,836.25		11,85,328.75		7,92,056.50		47,17,221.50	
12. Gardens and Open Spaces	25,15,248.40		18,48,135.29		9,53,500.87		53,16,884.56	
13. L.P.S.	3,69,95,398.87		79,38,478.72		24,56,396.53		4,73,90,274.12	
14. Donor Abatteir.	..		..		4,22,58,731.35		4,22,58,731.35	

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' Receipts—(Contd.)								
15. Traffic Operations, Road and Bridges—								
A—Wheel Tax.	1,77,90,156.	39	59,90,241.	21	30,96,879.	73	2,68,77,277.	33
B—Contributions from Govt. in lieu of Tolls	24,927.	00	20,637.	00			44,564.	00
C—Other Receipts	1,83,58,433.	66	1,49,73,777.	28	58,90,921.	19	3,97,23,132.	00
D—Ferry Receipts.			8,92,656.	89			8,92,656.	89
	3,66,73,517.	05	2,18,77,312.	38	89,87,800.	86	6,75,38,630.	29
16. Contribution from Capital Funds to Revenue Account of Loan Works Staff.	1,11,31,474.	79	58,54,243.	29	59,31,096.	53	2,29,16,814.	61
17. Extra Ordinary Receipts.	1,14,525.	00					1,14,525.	00
18. Transfer from the B. E. S. & T. Fund.								
19. Rebate from Government on Account of Collection of U. I. P. Tax, Education Cess levied Employment Guarantee, House Rep. etc.	53,80,000.	00	4,66,369.	00	11,81,968.	00	70,28,337.	00
Receipts from Government on Account of Urban Immoveable Property Tax etc.								
20. Share in Entertainment Tax etc.	2,26,11,329.	00					2,26,11,329.	00
21. Share in Non-Agricultural Assessment Tax	31,69,814.	00					31,69,814.	00
Total—Part I	3,62,64,84,658.	56	43,70,17,413.	25	21,82,09,276.	55	4,28,17,11,348.	36
Budget 'A' (Part-II)								
31. Public Health Department.	47,46,961.	62	42,18,281.	25	13,61,433.	06	1,03,26,675.	93
32. Medical Relief and Education.	2,63,56,774.	22	48,04,020.	69	34,56,141.	35	3,46,16,936.	26
33. Measures to Control Environmental Air Pollution in Greater Bombay.	20,24,369.	44	37,05,936.	76	21,68,877.	55	78,98,983.	75
Total—Part II	3,31,28,105.	28	1,27,28,238.	70	69,86,251.	96	5,28,42,599.	94
Total—(A) Revenue Receipts.	365,96,12,763.	84	44,97,45,651.	95	22,51,95,528.	51	4,33,45,53,944.	30
(B) Capital Account Receipts—								
Loan Funds—Capital Receipts—								
Debt Principal—New Loans of 1988-99.	17,99,65,889.	00	4,30,00,000.	00			22,29,65,889.	00
Advance from Surplus Monies for Financing Loan Works Expenditure Special Funds.								
Recoupment of Advances from Loan Funds for Purchase of Plant and Machinery.	2,20,97,996.	00	45,52,748.	75	11,21,796.	79	2,77,72,541.	54
Non-recurring grant in aid for infrastructural Feed Compost Plant.								
Trust Fund—								
Donations	2,50,00,000.	00					2,50,00,000.	00
Govt. Share of the cost of Preliminary Expenses in connection with preparation of the Master Plan for Bombay City and Greater Bombay.	2,20,49,312.	00					2,20,49,312.	00
Total—(B) Capital Receipts I+II.	24,91,13,197.	00	475,52,748.	75	11,21,796.	79	29,77,87,742.	54
(C) Suspense Account Receipts—								
I—Sinking and Special Fund Accounts—								
Sinking Fund Account (Municipal)	9,13,30,899.	73	9,74,99,358.	49	1,05,27,794.	00	19,93,58,052.	22
Special Fund Account.	85,97,73,733.	16	8,60,06,350.	00			94,57,80,083.	16
Total—I (S and S. Funds)	95,11,06,632.	89	18,35,05,708.	49	1,05,27,794.	00	114,51,40,135.	38
II—Paper and Cash Accounts—								
1. Sinking Fund.	10,91,34,037.	90	8,80,75,295.	08			19,72,09,332.	98
2. Special Funds.	22,33,36,888.	92					22,33,36,888.	92
3. Surplus Fund.	61,13,71,864.	47	25,05,80,329.	88	6,05,27,700.	00	92,23,79,954.	35
4. Loan Fund.		24.73	16,92,17,083.	55	6,35,14,588.	30	23,27,31,696.	58
4A. Trust Fund								
5. State Bank of India and Other Local Banks on Account of Sundry Deposits.	6,90,26,02,921.	49	30,17,33,412.	20	13,13,71,452.	70	7,33,57,07,786.	39
Total—II (Paper & Cash)	7,84,64,45,737.	51	80,96,06,120.	71	25,54,13,741.	00	8,91,14,65,599.	32
III—Other Suspense Accounts—								
Deposits Accounts	6,25,28,59,486.	48	70,04,12,808.	82	65,50,04,879.	00	760,82,77,174.	30
Reserve Stores Account.	14,61,27,479.	89					14,61,27,479.	89
Capital Stores Accounts.	6,72,77,425.	86					6,72,77,425.	86
Purchase of Petrol and Diesel Oil.	69,06,368.	30	51,53,582.	00			1,20,59,950.	30
Advances to Public including Co-operatives for Housing purposes.	1,82,37,535.	94					1,82,37,535.	94
Advances Departmental Works.	1,14,58,959.	79	27,14,946.	62	31,04,429.	72	1,73,48,336.	13
Advances Dept. Works-Traffic Amenities.					1,681.	45	1,681.	44
Advances Municipal Workshops.	1,03,48,853.	56	11,44,834.	57			1,14,93,688.	13
Municipal Foundry	22,88,342.	68					22,88,342.	68
Worli Crushers.								
Mechanical Transport.	6,89,85,701.	75	2,79,58,949.	07			9,69,44,650.	82
Asphalt Plant.	1,05,48,066.	35					1,05,48,066.	35

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' Receipts (Contd.)							1,30,80,394.22	
Municipal Printing Press	1,30,80,394.22		..		..		20,05,007.53	
Rota Printing Unit	20,05,007.53		..		..		86,30,073.58	
Advances Private Works	86,30,073.58		..		..		5,299.43	
Advances Private Works-Traffic Amenities			5,299.43				3,04,06,393.50	
Reinstatement of Trenches	1,97,15,412.80		80,16,589.75		26,74,390.95		98,90,076.41	
Advances Special Funds Welfare Fund II	98,18,076.41		72,000.00		..		2,57,859.36	
Municipal Contractors	2,21,616.09		27,743.55		8,499.72		..	
Municipal Tenderers .. .. .			..		..		29,72,58,163.27	
Sundry Advances Miscellaneous	18,90,95,601.76		7,72,96,963.45		3,08,65,398.06		5,20,598.39	
Advances for Demolition of Unauthorised Structures and for removal of unsafe Buildings	2,60,355.74		DR. 15,701.52		2,75,944.17		..	
Advances for conversion of Basket Privies etc. .. .. .			..		..		5,66,154.65	
Advances to Municipal Officers	5,58,985.00		5,169.65		2,000.00		11,22,211.67	
(i) Standing advance for contingent exp.	11,22,377.67		DR. 166.00		..		16.00	
(ii) Motor Car & Motor Cycle to Officers....	16.00		..		..		92,16,533.67	
(iii) Bicycles to Subordinate staff. ....			..		..		..
Interest accrued But Not Paid	38,96,783.34		53,13,917.00		45,833.33		..	
Interest receivable Account .. .. .			..		..		41,35,95,120.89	
Provident Fund	40,47,06,165.22		..		48,88,955.67		1,79,88,614.45	
Pension Recovery cheques Payable e/a/c.	1,79,88,333.40		..		61.05		58,376.39	
Fines Fund	58,376.39		..		..		6,645.46	
Fidelity Guarantee Insurance Fund	6,645.46		..		..		17,40,58,106.83	
B.M.C. Loans Interest Warrants Payable A/c....	6,38,28,794.55		11,02,29,311.48		..		9,32,32,528.67	
Dishonoured Cheques	4,36,78,994.98		3,72,15,924.19		1,18,37,609.50		6,09,536.70	
Cash Bills Outstanding Accounts	4,15,418.71		1,54,057.12		40,060.87		16,61,13,05,557.82	
Cheques Payable	14,18,05,24,340.13		1,40,54,72,189.54		1,02,53,09,028.15		..	
Wages Deposit Account .. .. .			..		..		6,68,67,821.35	
Loan Redemption Fund Municipal	6,68,67,821.35		..		..		17,05,160.00	
Repayment of Loans			17,05,160.00		..		1,33,458.7	
Interest on B.M.C. Loans Payable Account	4,410.09		1,29,048.77		..		97,82,836.80	
Municipal Power Laundry	97,82,836.80		..		..		..
Advances from Surplus Monies for financing Loan Works Expenditure .. .. .			..		..		..
Compost plant debt charges .. .. .			..		..		..
Pension Fund	52,01,85,401.96		..		..		52,01,85,401.96	
Gratuities Fund	40,00,959.75		..		..		40,00,959.75	
Amounts transferred within Budget 'A' Divns.	1,07,05,99,237.47		1,21,38,41,887.74		99,00,31,161.00		3,27,44,72,286.21	
Amounts transferred to Budget 'G'	2,04,18,73,262.52		..		..		2,04,18,73,262.52	
Improving Common House Gullies	1,90,489.95		..		..		1,90,489.95	
Contribution Receivable from Budget 'E'	97,63,41,782.59		..		..		97,63,41,782.59	
Advance for Deposit with outside bodies	1,500.00		6,575.12		..		8,075.12	
Unadjusted Reserve Stores Account Stock	5,86,71,976.95		..		..		5,86,71,976.95	
Halalkhore Services .. .. .			..		..		..
Advances Special Funds for Purchase of Plant and Machinery .. .. .			..		..		..
Municipal Debt Interest			14,10,48,696.73		..		14,10,48,696.73	
Advances for unseason works during draught period .. .. .			..		..		..
Adv. for consolidation of passing in put compant. .. .. .			..		..		..
Adv. Special Fund charges to be putout as pension fund			59,43,800.00		..		59,43,800.00	
Total III--(Other-Sup.)	26,30,31,29,879.13		3,74,44,23,587.08		2,72,80,90,132.64		32,77,56,43,598.84	
Total (C) Suppose Receipts	35,10,06,82,249.61		4,73,75,35,416.28		2,98,48,11,837.84		42,83,22,43,333.44	
Total Receipts Budget 'A'	39,00,94,70,210.26		5,29,48,39,816.98		3,22,89,48,992.94		47,48,45,91,020.28	
Tree Authority Budget	1,41,66,434.42		..		..		1,41,66,434.42	

APPENDIX—15—(Contd.)
(CONSOLIDATED)

Account Heads	Improvement Scheme		Slum Improvement		Slum Clearance (City)		Slum Clearance (Western & Eastern Suburbs)		Total Budget 'B'	
	Ra.	P.	Ra.	P.	Ra.	P.	Ra.	P.	Ra.	P.
BUDGET 'B' RECEIPTS										
(A) General Account Revenue										
I Rent and other Proceeds of Properties.	2,80,24,187.94		5,51,92,818.89		45,24,703.98		11,37,370.5		8,88,79,081.36	
II Contribution from B. M. C. under section 123 (2) (d) of the B.M.C. Act.	4,09,33,510.00		..		..		..		4,09,33,510.00	
IV Interest and Profit on Investments.	..		..		..		..		..
V Miscellaneous Receipts.	44,20,336.03		62,09,088.00		..		2,85,058.16		1,09,14,482.19	
VI Grant Assistance from Govt. of India for Improvement Slums.	..		..		..		..		..
VII Appropriation from Capital Account to meet the deficit	4,87,29,072.80		..		32,90,548.03		50,23,702.91		5,70,43,323.74	
Contribution from Budget 'A'	..		..		..		..		..
Total (A) General Account Revenue.	12,21,07,106.77		6,14,01,906.89		78,15,252.01		64,46,131.62		19,77,70,397.29	
(B) Capital Account Receipts										
Sale Proceeds of Lands, Building etc.	7,64,638.13		..		..		1,58,637.34		9,23,275.47	
Transfer of Revenue Surplus from General Account	..		1,39,56,730.07		..		..		1,39,56,730.07	
New Loans raised during 1958-59.	..		..		..		..		..
Advances from Surplus Monies.	5,34,87,734.18		1,58,68,761.08		40,67,586.24		48,65,065.57		7,82,89,147.07	
Reimbursement from Maharashtra Slum Improvement Board	..		2,61,10,153.00		..		..		2,61,10,153.00	
Reimbursement from Collector of Bombay Suburban District	..		2,00,61,245.00		..		..		2,00,61,245.00	
Total (B) Capital Receipts	5,42,52,372.31		7,59,96,889.15		40,67,586.24		50,23,702.91		13,93,40,550.61	
(C) Suspense Account Receipts										
I. Sinking and Special Funds Accounts										
(a) Sinking Fund Account.	58,49,411.93		7,70,398.14		24,37,473.21		24,05,003.71		1,14,62,286.99	
(b) Investment Reserve Fund Accounts	35,04,834.25		..		..		..		35,04,834.25	
(c) Rent Equalisation Fund Account	13,25,112.77		..		..		..		13,25,112.77	
(d) Amenities Fund Account	5,99,910.26		..		..		..		5,99,910.26	
Total I (S. and S. Funds)	1,12,79,269.21		7,70,398.14		24,37,473.21		24,05,003.71		1,68,92,144.27	
II Paper and Cash Account.										
(a) Sinking Fund.	58,50,332.79		39.24		5,00,448.11		1,558.64		63,52,378.78	
(b) Capital Fund.	..		..		..		..		..
(c) Investment Reserve Fund.	62.00		..		..		..		62.00	
(d) Rent Equalisation Fund.	26.25		..		..		..		26.25	
(e) Amenities Fund.	23.62		..		..		..		23.62	
Total II—(Paper & Cash)	58,50,444.66		39.24		5,00,448.11		1,558.64		63,52,490.65	
III—Other Suspense Accounts.										
Loan Redemption Fund	50,00,000.00		..		2,81,754.55		1,59,894.30		54,41,648.85	
B. I. T. Loans Interest Warrant Payable Account	..		..		..		..		..
Total—III (Other Susp.)	50,00,000.00		..		2,81,754.55		1,59,894.30		54,41,648.85	
Total (C) Suspense Receipts	2,21,29,713.87		7,70,437.38		32,19,675.87		25,66,456.65		2,86,86,289.77	
Total Receipts Budget 'B'	19,84,89,192.95		13,81,69,237.42		1,51,02,514.12		1,40,36,291.18		26,57,97,231.67	

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	13,23,10,123	14	2,66,28,273.65		1,83,14,840.35		17,72,53,237.14	
B—Collection of Revenue	7,94,35,905.96		1,88,52,842.92		1,01,71,052.04		10,84,59,800.92	
C—Upkeep and guarding of Municipal Offices ..	1,20,43,469.02		53,45,578.32		25,55,613.93		1,99,44,661.27	
D—General Stores	37,97,773.65		..		..		37,97,773.65	
E—Legal Department	68,79,392.44		2,65,229.61		1,17,928.84		72,62,550.89	
F—Miscellaneous Charges	26,06,474.89		6,09,283.36		2,19,000.00		34,34,758.25	
G—Election Expenses	4,16,380.94		..		..		4,16,380.94	
I—Debt Charges	1,10,23,265.04		41,54,091.00		13,98,099.72		1,65,75,455.76	
J—Encouraging sports activities .. .. .	..		..		..		..
K—Payment of Bank Commission Charges ..	..		..		..		..
	24,85,12,785.08		5,58,55,298.86		3,27,76,534.88		33,71,44,618.82	
Deduct : Proportion of General Superintendence	5,50,63,869.71		1,57,25,618.49		93,77,358.81		8,01,66,847.01	
	19,34,48,915.37		4,01,29,680.37		2,33,99,176.07		25,69,77,771.81	
II—Museums—								
A—Dr. Bhanu Daji Lad Museum.	6,12,459.29		..		..		6,12,459.29	
C—Debt Charges .. .. .	..		..		..		..
	6,12,459.29		..		..		6,12,459.29	
III—Free Reading Rooms and Libraries—								
A—Municipal Free Reading Rooms & Libraries ..	25,000.00		14,238.00		30,800.00		70,038.00	
C—Debt Charges	78,457.99		277.00		..		78,734.99	
	1,03,457.99		14,515.00		30,800.00		1,42,772.99	
IV—Municipal High Schools.								
A—Municipal High Schools	8,64,16,603.26		..		..		8,64,16,603.26	
C—Pension Fund	23,37,792.07		..		..		23,37,792.07	
	8,87,54,395.33		..		..		8,87,54,395.33	
V—Street Cleansing, Conservancy and Halalkhore Service—								
A—Street Cleansing and Conservancy	3,03,39,056.98		1,39,81,982.85		91,11,114.23		5,34,32,154.06	
B—Collection, Loading, Removal and Disposal of Town Refuse.	23,42,17,380.75		9,08,15,779.45		5,35,79,755.79		37,86,12,915.99	
C—Halalkhore Service	2,01,23,397.40		2,23,25,580.17		99,12,315.95		5,23,61,292.52	
D—Staff working under Slum Section	1,90,71,667.47		1,74,20,090.08		2,54,28,363.10		6,19,20,120.65	
E—Debt Charges	41,14,325.06		30,09,364.51		38,87,328.18		1,10,11,017.75	
	30,78,65,827.66		14,75,52,797.06		10,19,18,877.25		55,73,37,501.97	
VI—S.W. Drains—								
A—Maintenance of S.W. Drains	3,21,24,364.47		3,43,16,189.19		2,96,40,273.77		9,60,81,269.43	
C—Debt Charges	1,48,13,560.10		1,79,25,877.05		1,07,04,947.98		4,34,44,385.13	
	4,69,37,866.57		5,22,42,066.24		4,03,45,221.75		13,95,25,654.56	
VII—Mechanical and Electrical								
A—Mechanical Engineer's Office Establishment	60,71,919.20		5,34,527.93		..		66,06,447.13	
B—Maintenance of Electric Installations ..	..		7,82,158.11		1,14,047.72		8,96,205.83	
D—Debt Charges	Cr. 3,08,043.88		81,208.07		..		Cr. 2,26,835.81	
E—Contribution to Motor Vehicle (T.P.) Insurance Fund	50,000.00		..		..		50,000.00	
	58,13,875.32		13,97,894.11		1,14,047.72		72,25,817.15	

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.)								
VIII—Buildings, Land Acquisition and Management								
A—City Engineer's Central Office Establishment	87,80,091.15		75,36,349.04		40,41,992.97		2,03,58,433.16	
B—Inspection and Supervision of Private Buildings	92,65,229.81		22,71,998.00		16,66,836.39		1,32,04,064.20	
C—Architectural	8,07,153.46						8,07,153.46	
D—Land Acquisition and Management	81,55,649.83		7,71,070.56		7,839.17		89,34,559.56	
E—Inspection and Supervision of Factories, Workshops and Work Places	7,45,790.93		8,49,485.63		4,16,455.80		20,11,732.36	
F—Industrial Estates	6,64,903.65		4,00,213.00				10,65,116.65	
G—Development Plan & Town Planning	66,04,585.75				46,547.34		66,46,133.09	
H—Debt Charges	1,25,31,111.83		97,48,149.86		30,08,837.45		2,52,93,099.14	
	4,75,54,516.41		2,15,77,266.09		91,88,509.12		7,83,20,291.62	
Deduct:—2½ Percent Supervision chargeable to Imp. Scheme A/c	5,00,370.46						5,00,370.46	
	4,70,54,145.95		2,15,77,266.09		91,88,509.12		7,78,19,921.16	
IX—Fire Brigade—								
A—Maintenance	2,59,97,966.13		60,88,761.87		50,20,795.40		3,71,07,523.40	
C—Pension, Gratuities and Compassionate Allowances	16,61,320.00		3,36,400.00		2,37,700.00		22,35,420.00	
D—Proportion of General Supervision and Collection of Revenue	17,41,849.83		5,59,013.77		3,02,559.57		26,03,423.17	
E—Debt Charges	49,07,955.48		74,74,142.05		6,14,193.67		1,29,96,291.20	
F—Contribution to Fire Brigade Employees Accident Compensation Fund	1,00,000.00						1,00,000.00	
	3,44,09,091.44		1,44,58,317.69		61,75,248.64		5,50,42,657.77	
X—Licensing and Removal of Encroachments on Public Streets								
A—Licensing Establishment	73,47,345.23		32,15,930.51		19,01,412.05		1,24,64,687.79	
B—Removal of Encroachment on Public Streets	1,12,95,808.45		44,57,278.23		21,08,433.68		1,78,61,520.36	
D—Debt Charges	33,835.25						33,835.25	
	1,86,76,988.93		76,73,208.74		40,09,845.73		3,03,60,043.40	
XI—Administration of Shops and Establishment Act 1948								
A—Administration of Shops and Establishment Act 1948	39,46,627.98		13,64,132.29		7,79,733.30		60,90,493.57	
	39,46,627.98		13,64,132.29		7,79,733.30		60,90,493.57	
XII—Gardens, Recreation Centres and Open Spaces								
A—Gardens	2,10,48,658.69		1,11,52,228.03		72,10,066.07		3,94,10,952.79	
B—New Gardens, Recreation Grounds, etc.			45,133.39		96,857.96		1,41,991.35	
C—Open Air Theatres	4,66,262.02		3,18,607.45				7,84,869.47	
D—M. G. M. O Swimming Pool	10,83,327.21						10,83,327.21	
E—Krida Kendra and Social Welfare Centres	8,96,377.83						8,96,377.83	
F—Sardar V. P. S Pool Kandivali			4,89,968.49				4,89,968.49	
G—Ghatkopar Lion's Municipal Swimming Pool					8,81,710.23		8,81,710.23	
H—L. Dinanath Mangeshkar Natya Mandir			10,93,999.54				10,93,999.54	
I—S. Pool Siddharth Nagar Goregaon			6,06,326.14				6,06,326.14	
J—Sports Complex Andheri			12,56,924.04				12,56,924.04	
K—Debt Charges	67,29,081.53		1,95,43,359.96		1,42,29,321.16		4,05,01,762.65	
L—Sportscomplex Swimming Pool Mulund					13,59,098.51		13,59,098.51	
	3,02,23,707.28		3,45,06,547.04		2,37,77,053.93		8,85,07,308.25	
XIII—Markets								
A—Markets	3,33,21,521.73		93,99,354.52		37,40,108.25		4,64,60,984.50	
C—Pension, Gratuities and Compassionate Allowance	12,77,390.00		3,32,900.00		2,56,460.00		18,66,750.00	
D—Proportion of General Supervision	52,78,281.57		13,53,516.50		5,57,912.11		71,89,710.18	
E—Debt Charges	76,92,308.27		23,93,361.79		8,65,184.89		1,09,50,854.95	
	4,75,69,501.57		1,34,79,132.81		54,19,665.25		64,68,299.63	

APPENDIX-15 (contd)
(CONSOLIDATED)

Account Heads	Division I (Cto)		Division II (W. S.)		Division III (E. S.)		Total End. of 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE-(Contd.)								
IV—Deonar Abattoir					4,71,88,141.90		4,71,88,141.90	
A—Deonar Abattoir	..	..	..	..	..	..	..	..
B—Provident Fund Charges.	..	..	..	..	..	..	..	..
C—Pension, Gratuity and Compensatory Allowance.	..	..	..	..	27,19,240.00		27,19,240.00	
D—Proportion of General Suppl.	..	..	..	..	8,56,067.42		8,56,067.42	
E—Debt Charges	..	..	..	..	55,94,154.10		55,94,154.10	
	..	..	..	..	5,63,57,603.42		5,63,57,603.42	
XV—Traffic Operations, Roads and Bridges—								
A—General	1,11,33,943.39		60,78,571.43		57,63,359.47		2,29,80,890.29	
B—Traffic Planning and Operation	39,76,642.80		8,53,422.01				48,30,064.81	
C—Road, Bridge Planning and Design	53,156.62		56,122.83				1,14,279.45	
D—Road and Bridge Maintenance	16,28,33,520.41		15,72,91,367.37		8,60,32,865.39		40,61,57,753.17	
E—Rebate on account of compounded wheel tax permissible under section 185 of the B.M.C. Act	..	..	..	..	..	..	..	..
G—Debt Charges	9,62,16,075.51		8,70,06,383.94		5,59,96,088.96		23,92,18,548.41	
H—Proportionate Cost of Collection of Wheel Tax.	16,72,618.99		9,40,251.25		5,06,377.35		31,19,247.59	
I—Lumpsum provision for payment of Commission charges and interest on L.R.P. D.L./van	..	..	..	..	..	..	..	..
J—Lumpsum provision for repayment of I.B.R.D. Loan No. 1335 I. N.	..	..	..	..	..	..	..	..
	27,58,95,963.72		25,22,26,118.83		14,82,98,691.17		67,64,20,773.72	
XVI—Contribution to—								
(a) Budget 'B' under section 125(2)(d) of the Bombay Municipal Corporation Act.	1,66,49,553.00		1,77,57,350.00		69,90,570.00		4,13,97,470.00	
(b) Budget 'E' under section 126C (c) of the Bombay Municipal Corporation Act.	4,16,23,860.00		4,43,93,370.00		1,74,76,390.00		12,34,93,620.00	
(c) Budget 'E' (Special Contribution) under section 126C (e.1) of the Bombay Municipal Act.	62,82,80,000.00		..		..		62,82,80,000.00	
(d) Fines and Welfare Fund	52,83,625.47		72,000.00		..		53,55,625.47	
(e) Tree Authority Fund	38,04,106.61		..		..		38,04,106.61	
(f) Contribution to P. F. to meet the difference in interest allowed and that actually realised on investment of P. F.	2,57,61,086.59		..		..		2,57,61,086.59	
(g) Special Contribution to Budget B Slum Improvement to meet deficit in General Account	..	..	..	..	..	..	..	..
	7,14,02,228.67		6,22,22,720.00		2,44,66,960.00		83,82,91,908.67	
XVII—Miscellaneous—								
(a) P. F. charges	24,19,110.33		..		..		24,19,110.33	
(b) Incentive Bonus	..	..	..	..	..	..	..	..
(c) Pension Fund	7,05,94,976.00		2,44,81,180.00		1,62,02,780.00		11,12,78,936.00	
(d) Gratuity Fund	3,44,99,869.99		..		..		3,44,99,869.99	
(e) Deposit linked Insurance schemes.	22,00,000.00		..		..		22,00,000.00	
	10,97,13,956.32		2,44,81,180.00		1,62,02,780.00		15,03,97,916.32	
Deduct : Proportionate Share	34,03,073.06		..		..		34,03,073.06	
	10,63,10,883.32		2,44,81,180.00		1,62,02,780.00		14,69,94,843.32	
XVIII—Measures for Civil Defence	2,16,516.65		..		..		2,16,516.65	
XIX—Contribution to Bombay Building Repairs and Reconstruction Board.	3,60,00,000.00		..		..		3,60,00,000.00	
XX—Village amenities.								
A—Maintenance	..		24,25,116.02		15,15,453.48		39,40,569.50	
XXI—Lump-Sum provision for unexecuted works at Rs. 1,00,000 in each constituency	1,46,40,433.44		1,24,30,318.89		98,28,147.47		3,68,98,599.80	
XXII—Lump-sum Provision for Past Liabilities.	1,75,36,442.95		..		..		1,75,36,442.95	
XXIII—Lump Sum Provision for payment of Arrears on A/c. of Revision of Grades.	11,52,78,785.09		4,54,67,526.95		3,52,11,603.97		19,59,57,916.01	
XXIV—Bombay Urban development Project.	1,57,892.78		..		..		1,57,892.78	
XXV—Lumpsum provision for recurring asti cost during the year on a/c of revision of Grade.	18,000.00		..		..		18,000.00	
XXVI—Lumpsum Provision for Exgratia Payment.	8,11,92,569.89		2,69,64,157.82		1,98,13,173.21		12,79,69,905.92	
Total—Part-I	2,19,40,66,577.19		76,06,12,695.95		52,68,53,096.48		3,48,15,32,369.62	

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	5,32,47,980.50		2,85,62,053.70		1,85,13,526.27		10,03,23,560.47	
B—Supply of Milk to the under nourished needy children attending Municipal Schools	40,91,094.31		40,54,340.42		39,50,658.73		1,20,96,093.46	
D—Malaria Eradication Programme	15,21,481.87		26,89,187.88		8,30,962.47		50,41,632.22	
E—Impounding Stray Cattle	7,55,354.32		16,12,952.40				23,68,306.72	
G—Census								
H—Filaria Programme			5,73,704.36		4,60,931.65		10,34,636.01	
I—Debt Charges	33,09,294.18		44,42,393.98		21,24,171.10		98,75,859.26	
	6,29,25,205.18		4,19,34,632.74		2,58,80,250.22		13,07,40,088.14	
XXXII—Medical Relief and Education—								
A—Hospitals	37,53,81,386.42		11,77,77,581.44		8,65,42,616.91		57,97,01,584.77	
B—Maternity Homes	2,13,64,707.35		1,67,17,826.13		1,03,16,844.80		4,83,99,378.28	
C—Dispensaries	1,74,38,208.71		90,70,376.99		66,61,041.34		3,31,69,627.04	
D—Medical Education	7,75,95,942.56						7,75,95,942.56	
E—Statutory Contributions to Government Medical Institutions		Cr. 177.00						Cr. 177.00
F—Clinic for treatment of Leprosy Cases	59,50,000.00		20,980.00		40,000.00		60,10,980.00	
G—Grant-in-Aid to Public Institutions	1,77,98,688.50		36,400.00		5,200.00		1,78,40,288.50	
I—Debt Charges	7,01,34,822.88		2,07,93,868.71		85,38,892.38		9,94,67,583.97	
	58,56,63,579.42		16,44,17,033.27		11,21,04,595.43		86,21,85,208.12	
XXXIII—Measures to Control Environmental Air Pollution in Greater Bombay—								
A—Dy. City Engineer (Mech. & Elec.) Air pollution prevention office	5,37,264.59						5,37,264.59	
B—Airpollution Prevention cell	40,43,372.52						40,43,372.52	
C—Health Survey Unit	5,25,309.18						5,25,309.18	
D—Debt Charges	14,42,764.84						14,42,764.84	
	65,48,711.13						65,48,711.13	
Total—Part II	65,51,37,495.73		20,63,51,666.01		13,79,84,845.65		99,94,74,007.39	
Total—(A) Revenue Expenditure	2,84,92,04,072.92		96,69,64,361.96		66,48,37,942.13		4,48,10,06,377.01	
(B) Capital Account—								
I—General Supervision, Collection of Revenue etc.	49,81,615.40		7,54,384.38				57,35,999.78	
II—Free Reading Rooms and Libraries			12,17,456.12		15,03,800.63		67,77,820.35	
III—Street Cleaning and Conservancy etc.	40,56,563.60							
IV—S. W. Drains etc.	2,82,00,150.19		63,61,007.99		1,68,48,043.85		5,14,09,202.03	
V—Mechanical and Electrical								
VI—Buildings Land Acquisition and Management	Cr. 58,95,610.99		Cr. 47,72,453.81		Cr. 24,10,977.04		Cr. 1,30,79,041.84	
VII—Fire Brigade	5,99,150.95		5,79,352.56				11,78,503.51	
VIII—Licensing, Removal of Encroachment etc.								
IX—Gardens and Open Spaces	1,37,00,088.69		1,47,87,907.92		36,08,697.84		3,20,96,694.45	
X—Markets	60,08,543.77		7,84,220.61		8,82,990.68		76,75,755.06	
XI—Deonar Abattoir					20,19,453.73		20,19,453.73	
XII—Village Amenities			73,64,778.88		37,95,765.23		1,11,60,544.11	
XIII—Industrial Estates	3,238.40						3,238.40	
XIV—Centenary Celebration Works			5,082.00		14,751.00		19,833.00	
XV—Traffic Operations, Roads and Bridges	4,13,94,147.78		1,67,97,605.51		2,57,40,371.29		8,39,32,124.58	
XVI—Works under B.U.D.P.I.	1,50,56,488.03						1,50,56,488.03	
Power Laundry								
Plant and Machinery out of Loan Funds	1,14,41,842.22		62,12,805.59		1,58,672.43		1,78,13,320.24	
Suspense Account Mechanical Transport	6,01,518.50		10,65,088.39				16,66,606.89	
Plant and Machinery Purchased out of different Special Funds								
Assets written off								
Recoupment of Advance for Purchase of Capital Stores								
Printing Press	Cr. 1,77,366.00						Cr. 1,77,366.00	
Compost Plant								
Slum Reallocation Programme on a/c. implementation Major Project.	30,29,190.98						30,29,190.98	
Total—Part I	12,29,99,561.52		5,11,57,236.14		5,21,61,569.64		22,63,18,367.30	
XXI—Public Health Department	24,07,176.99		28,29,793.37		18,80,787.34		71,17,757.70	
XXII—Medical Relief and Education	2,78,54,679.22		62,85,206.17		26,48,095.89		3,67,87,981.28	
XXIII—Measures to Control environmental Air Pollution in Greater Bombay.								
Plant and Machinery out of Loan Fund	2,10,30,092.00		26,11,910.15		36,03,750.12		2,72,45,752.27	
Total—Part II	5,12,91,948.21		1,17,26,909.69		81,32,633.35		7,11,51,491.25	
Total Part-I and II	17,42,91,509.73		6,28,84,145.83		6,02,94,202.99		29,74,69,858.55	
Trust Fund.	69,72,394.03		2,57,975.73				72,30,369.76	
Total—(B) Capital Expenditure	18,12,63,903.76		6,31,42,121.56		6,02,94,202.99		36,47,00,228.31	

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)								
C) Suspense Account								
I—Sinking and Special Fund Accounts								
Sinking Fund Account—Municipal ..	8,32,72,024.49		8,91,30,734.43		..		17,24,02,758.92	
Special Fund Account ..	65,02,31,403.63		2,11,510.00		..		65,02,31,403.63	
Loan Redemption Fund ..	..		..		..		2,11,510.00	
Total—I (S. and S. Funds) ..	73,35,03,428.12		8,93,42,244.43		..		82,28,45,672.55	
II—Paper and Cash Account								
Sinking Fund ..	11,71,92,913.14		9,64,43,919.14		1,05,27,794.00		22,41,64,626.28	
Special Fund ..	39,99,95,618.45		25,22,82,478.63		6,35,14,500.00		39,99,95,618.45	
Surplus Fund ..	54,61,48,542.20		3,36,27,710.74		..		86,19,45,520.83	
Loan Fund ..	17.97		..		..		3,36,27,728.71	
State Bank of India and Other Local Banks on account of Sundry Deposits ..	7,44,61,97,289.20		42,18,00,000.47		21,13,71,447.00		8,07,93,68,736.67	
Total—II (Papers and Cash) ..	8,50,95,34,380.96		80,41,54,108.98		28,54,13,741.00		9,59,91,02,230.94	
III—Other Suspense Accounts								
Deposit Account ..	6,15,31,96,679.74		64,68,59,818.84		63,77,14,105.70		7,43,77,70,604.28	
Reserve Stores Account ..	17,01,15,924.57		..		..		17,01,15,924.57	
Capital Stores Account ..	10,14,44,691.06		..		..		10,14,44,691.06	
Capital Stores Account (Foras Road Depot) ..	1,78,012.17		..		..		1,78,012.17	
Advances for purchase of Petrol and Diesel Oil ..	64,74,428.40		37,31,719.37		..		1,02,06,147.77	
Advances for Departmental Works ..	1,13,17,454.33		54,57,238.77		60,74,203.80		2,28,48,896.90	
Advances for Private Works ..	95,16,890.98		..		..		95,16,890.98	
Advances Private Works—Traffic Amenities ..	..		40,050.07		52,981.60		93,031.67	
Advances Departmental Works—Traffic Amenities ..	..		..		8,98,321.52		8,98,321.52	
Municipal Workshop ..	1,60,25,068.69		38,19,035.37		2,07,025.30		2,00,51,129.36	
Municipal Foundry ..	25,53,029.88		..		..		25,53,029.88	
Worli Crusher ..	..		..		..		..
Mechanical Transport ..	7,67,30,181.35		4,70,30,555.20		..		12,37,60,736.55	
Asphalt Plant ..	73,96,625.41		..		..		73,96,625.41	
Municipal Printing Press ..	2,08,87,013.46		..		3,560.00		2,08,90,573.46	
Rota Printing Unit ..	10,49,848.96		..		..		10,49,848.96	
Advances Special Funds ..	66,47,684.55		72,000.00		54,000.00		67,73,684.55	
Municipal Contractors ..	4,93,241.12		65,477.65		1,31,542.50		6,90,261.27	
Advances for capitalisation of int. on Loan ..	78,90,089.00		..		..		78,90,089.00	
Advances for Demolition of Unauthorised Structures and Removal of unsafe Buildings ..	14,39,340.19		34,096.10		4,64,414.15		19,37,850.40	
Advances to Public including Co-operatives for Housing purposes ..	2,87,87,130.00		..		..		2,87,87,130.00	
Municipal Power Laundry ..	98,46,747.73		..		..		98,46,747.73	
Advances to Municipal Officers ..	..		..		..		..
(a) Standing advance for contingent expenses ..	1,04,800.00		1,11,250.00		28,125.00		2,44,175.00	
(b) Motor car and motor cycle to Officers ..	15,28,368.00		..		..		15,28,368.00	
(c) Bicycles to Subordinate Staff ..	..		..		..		..
(d) A. A. Cash for disbursement of salary ..	Nil		1,33,86,946.25		..		1,33,86,946.25	
(e) A. A. Cash for distribution of salary of March ..	4,30,89,355.87		..		99,68,627.00		5,30,57,982.87	
Advances, Sundry Advances Miscellaneous ..	20,51,36,665.33		7,50,73,977.51		4,33,52,141.52		32,35,62,784.36	
Provident Fund ..	40,47,06,165.22		..		88,89,016.72		41,35,95,181.94	
Pension Fund ..	52,01,85,401.96		..		..		52,01,85,401.96	
Gratuity Fund ..	40,00,959.75		..		..		40,00,959.75	
Pension Recovery Cheques Payable A/C ..	4,21,03,006.38		..		..		4,21,03,006.38	
Fines Fund ..	58,376.39		..		..		58,376.39	
Fidelity Guarantee Insurance Fund ..	6,645.46		..		..		6,645.46	
Reinstatement of Trenches ..	3,46,45,293.55		1,33,59,251.94		59,35,074.29		3,39,39,619.78	
Advances from Surplus Monies for Financing Capital Works Expenditure ..	7,82,89,147.07		..		..		7,82,89,147.07	
Advances Special Fund Charges to be met out of pension fund ..	..		59,43,800.00		..		59,43,800.00	
Total—(C)—III—(Other Susp.) C/F	7,94,58,44,266.53		81,49,85,217.07		71,37,73,139.10		9,47,46,02,622.70	

APPENDIX-15-(Contd.)

(CONSOLIDATED)

Account Heads	Division I (City)		Division II (W.S.)		Div. III (S.S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Budget-- 'A' Expenditure-(Contd.)								
Total--(C) III (Other Sup.) B/P	7,94,58,44,266.53		81,49,85,217.07		71,37,73,139.10		9,47,46,02,622.70	
Dishonoured cheques.	4,36,78,994.98		3,77,15,924.19		1,18,37,609.50		9,32,32,528.67	
Advances for Halalkhore Service.	..		..		..		..
Improving common House Gullies in the city.	..		..		..		..
Advances for Improvement of Private streets.	..		..		..		..
Advances for Deposit with Outside Bodies.	40,495.00		14,500.00		..		54,995.00	
Advance for Security Deposit with S. B. I.	..		..		..		..
Interest accrued but not paid	1,87,295.14		17,42,117.67		..		19,29,412.81	
Interest receivable Account.	..		..		..		..
Interest on Loans Payable Account	6,500.00		11,835.50		..		18,335.50	
B. M. C. Loans Interest Warrants Payable Account.	6,38,29,044.55		11,02,29,311.48		..		17,40,58,356.03	
Repayment of B. M. C. Loans	6,68,67,821.35		8,75,00,000.00		..		15,43,67,821.35	
Cash Bill Outstanding Account	5,69,302.23		1,07,176.11		29,454.97		7,05,933.11	
Cheques Payable	14,16,97,18,131.72		1,41,48,82,992.78		1,03,99,52,214.76		16,62,45,53,339.26	
Wages Deposit Account	..		..		..		..
Amount Transferred from Mun. General fund Budget A Div. I to Budget 'E'	95,77,17,310.88		..		..		95,77,17,310.88	
Amount transferred to Budget 'G'	1,36,84,04,045.67		..		..		1,36,84,04,045.67	
Amount transferred within Budget 'A' Divisions	2,14,00,71,299.14		70,20,59,100.75		43,23,41,886.32		3,27,44,72,286.21	
Unadjusted Reserve Stores Account Stock.	..		..		..		..
Unadjusted Reserve Stores (Fors Road Depot)	4,54,890.20		..		..		4,54,890.20	
Municipal Debt. Interest.	..		14,10,48,696.73		..		14,10,48,696.73	
Advances Suspense Account accumulated Surplus Balance payable to Budget 'G'	..		..		..		..
Compost Plant debt charges	..		..		95,424.03		95,424.03	
Material Testing Lab.	96,878.96		..		..		96,878.96	
Advances for consolidation of Pansga in Pvt. Compounds.	..		..		..		..
Total--III (Other Sup.)	26,75,74,86,276.35		3,31,02,96,872.28		2,19,80,29,728.48		32,26,58,12,877.11	
Total (C) Suspense Expenditure	36,00,05,24,085.43		4,20,37,93,225.69		2,48,34,43,459.48		42,68,77,60,780.60	
Total Expenditure Budget 'A'	39,03,09,92,062.11		5,23,38,99,709.21		3,20,85,75,614.60		47,47,34,67,385.92	
Tree Authority Budget	1,41,66,434.42		..		..		1,41,66,434.42	

Appendix—15 (Contd.)

Consolidated)

Account Heads	Improvement Scheme	Slum Improvement	Slum Clearance (City)	Slum Clearance (Western & Eastern Suburbs)	Total Budget 'B'
	Rs.	Rs.	Rs.	Rs.	Rs.
BUDGET 'B' EXPENDITURE					
IMPROVEMENT SCHEME ACCOUNT					
(A) General Account Expenditure—					
A—Maintenance of Properties and Streets	10,46,02,072.36	4,58,30,642.82	38,43,370.03	23,73,962.62	15,68,49,847.83
B—Cost of Management and Establishment	3,29,83,483.80	..	..	..	3,29,83,483.80
C—Proportionate Charges on account of Municipal Supervision	1,44,26,637.51	..	..	..	1,44,26,637.51
<i>Deduct</i> —Proportionate Share of Cost of Management & Establishment—					
(a) General Account ..	4,68,90,526.43	..	..	..	4,68,90,526.43
(b) Capital Account ..	5,19,594.88	..	..	..	5,19,594.88
D—Debt Charges	68,71,096.00	16,14,534.00	39,71,881.98	38,72,369.00	1,63,29,880.98
E—Lump-sum 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	65,73,381.80	..	..	..	65,73,381.80
G—Recurring Estt. Cost on account of revision of grades	..	..	..	..	..
H—Provident Fund charges	3,00,000.00	..	..	..	3,00,000.00
I—Incentive Bonous	..	..	..	..	..
J—Provision for exgratia	36,10,556.61	..	..	..	36,10,556.61
Transfer of Revenue Surplus to capital Account	..	1,39,56,730.07	..	..	1,39,56,730.07
Total (A) General Account Expenditure	12,21,07,106.77	6,14,01,906.89	78,15,252.01	64,46,131.62	19,77,70,397.29
(B) Capital Account Expenditure—					
Improvement and Street etc. Schemes Expenditure	50,03,704.63	7,59,96,889.15	7,77,038.21	..	8,17,77,631.99
Proportionate Share of Cost of Management and Establishment	5,19,594.88	..	..	..	5,19,594.88
Deficit in General Account	4,87,29,072.80	..	32,90,548.03	50,23,702.91	5,70,43,323.74
Total (B) Capital Expenditure	5,42,52,372.31	7,59,96,889.15	40,67,586.24	50,23,702.91	13,93,40,550.61
(C) Suspense Account Expenditure—					
I—Sinking etc. Fund Account—					
(a) Sinking Fund Account	50,26,777.87	..	6,443.00	4,063.98	50,37,284.85
Total—I (Sinking Fund)	50,26,777.87	..	6,443.00	4,063.98	50,37,284.85
II—Paper and Cash Account—					
(a) Sinking Fund	66,72,966.85	7,70,437.38	29,31,478.32	24,02,498.37	1,27,77,380.92
(b) Capital Fund	..	..	..	..	..
(c) Investment Reserve Fund	Cr.3,99,94,103.75	..	..	..	Cr.3,99,94,103.75
(d) Rent Equalisation Fund	13,25,139.02	..	..	..	13,25,139.02
(e) Amenities Fund	5,99,933.88	..	..	..	5,99,933.88
Total—II (Papers and Cash)	Cr.3,13,96,064.00	7,70,437.38	29,31,478.32	24,02,498.37	Cr.2,52,91,649.93
III—Other Suspense Account—					
Repayment of B.I.T. etc. Loans	50,00,000.00	..	2,81,754.55	1,59,894.30	54,41,648.85
B. I. T. Interest Warrants Payable Account	..	..	..	..	..
Total—III (Other Suspense)	50,00,000.00	..	2,81,754.55	1,59,894.30	54,41,648.85
Total—(C) Suspense Expenditure	Cr.2,13,69,286.13	7,70,437.38	32,19,675.87	25,66,456.65	Cr.1,48,12,716.23
Total Expenditure Budget 'B'	15,49,90,192.95	13,81,69,233.42	1,51,02,514.12	1,40,36,291.18	32,22,98,231.67

Appendix No. 15 Concd.
(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.
20,01,85,313.45	8,39,92,566.18	5,88,66,468.78	34,30,44,348.41	Opening Balance as at 1st April 1988.					
1,65,96,12,763.84	44,97,45,651.95	22,51,95,528.51	4,33,45,53,944.30	Budget 'A'					
24,91,13,197.00	4,75,52,748.75	11,21,796.79	29,77,87,742.54	(A) Revenue Account		2,84,92,04,072.92	96,69,64,361.96	66,48,37,942.13	4,48,10,06,377.01
35,10,96,82,249.52	4,73,75,35,416.28	2,99,40,31,667.64	4,283,22,49,333.44	(B) Capital Account		18,12,63,903.76	631,42,121.56	6,02,94,202.99	30,47,00,228.31
39,00,94,08,210.36	5,23,48,33,816.98	3,22,03,48,992.94	47,46,45,91,020.28	(C) Suspense Account		36,00,05,24,085.43	4,20,37,93,225.69	2,48,34,43,469.48	42,68,77,60,780.60
1,41,66,434.42	..	..	1,41,66,434.42	Total—Budget 'A'		39,03,09,92,062.11	5,23,38,99,709.21	3,20,85,75,614.60	47,47,34,67,385.92
19,77,70,397.29	..	..	19,77,70,397.29	Tree Authority Budget.		1,41,66,434.42	..	..	1,41,66,434.42
13,93,40,550.61	..	..	13,93,40,550.61	Budget 'B'		19,77,70,397.29	..	..	19,77,70,397.29
2,86,86,283.77	..	..	2,86,86,283.77	(A) General Account		13,93,40,550.61	..	..	13,93,40,550.61
36,57,97,231.67	..	..	36,57,97,231.67	(B) Capital Account		Cr. 1,48,12,716.23	..	..	Cr. 1,48,12,716.23
39,38,93,71,876.45	5,23,48,33,816.98	3,22,03,48,992.94	47,84,45,54,686.37	(C) Suspense Account		32,22,98,231.67	..	..	32,22,98,231.67
..	..	..	..	Total—Budget 'B'		39,36,74,56,728.20	5,23,38,99,709.21	3,20,85,75,614.60	47,80,99,32,052.01
39,58,95,57,189.90	5,31,88,26,383.16	3,27,92,15,451.72	48,18,75,99,034.78	Total Budgets 'A' + 'B' + TA		22,21,00,461.70	8,49,26,673.95	7,06,39,847.12	37,76,66,982.77
				Closing Balance as at 31st March 1989 as reconciled below* with the Cash Position		39,58,95,57,189.90	5,31,88,26,383.16	3,27,92,15,461.72	48,18,75,99,034.78
				GRAND TOTAL		9,31,53,747.12	2,62,56,953.99	3,52,26,812.93	13,46,37,513.64
				*Bank Reconciliation :		9,29,046.60	22,04,369.05	19,23,450.63	50,56,866.28
				Balance as per Bank's Pass Book		7,53,16,890.63	3,29,78,495.41	86,63,404.71	11,69,58,790.75
				Add : Revenue sent to the Bank of 31st March 1989 but acknowledged on 1st April 1989.		1,87,65,903.09	Dr. 45,17,172.37	2,84,86,858.45	4,27,35,589.17
				Less : Uncashed Cheques		4,60,363.01	26,34,105.00	9,97,730.00	40,92,198.01
				Total Bank Position.		20,28,74,199.60	21,739.01	4,122.28	20,29,00,056.89
				Balance in Bank as per Day Book (Column No. 10)—		..	8,67,88,002.31	4,11,51,136.39	12,79,39,138.70
				Balance in Office, in Government Promisory Notes etc.		20,33,34,558.61	8,94,43,846.32	4,21,52,988.67	33,49,31,393.60
				Balance in Office in Cash		22,21,00,461.70	8,49,26,673.95	7,06,39,847.12	37,76,66,982.77
				Collection kept in office Treasury					
				Total—Office Position					
				Closing Balance as at 31st March 1989 as shown at above.*					

APPENDIX No. 27

IMPROVEMENT SCHEMES

General Account for the year ending 31st March 1989

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 35 ..	12,21,07,107	By Revenue Receipts as per Appendix No. 31	7,33,78,034
		Balance being deficit transferred to Capital Account Balance Sheet. ..	4,87,29,073
Total ..	12,21,07,107	Total ..	12,21,07,107

APPENDIX No. 28

Slum Clearance Account—(City) General Account for the year ending 31st March 1989.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix 36	78,15,252	By Revenue Receipts under— I—Rent and other proceeds of properties. II—Interest and Profits on Investments IV—Transfer of excess on Sinking Fund ..	45,24,704
		Balance being Deficit trasferred to Capital Account Balance Sheet.	32,90,548
Total	78,15,252	Total ..	78,15,252

APPENDIX No. 29

Slum Clearance Account—(Western and Eastern Suburbs) Genrerel Account for the year ending 31st March 1989.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix 37 ..	64,46,132	By Revenue Receipts under— (a) Rents and other proceeds properties. .. (b) Receipts from Social Welfare Centre at S. G. Barve Nagar. ..	11,25,602
		II—Intrest and Profits on Investments ..	11,769
		III—Miscellaneous Receipts ..	2,85,058
		Balance being Deficit transferred to Capital Account Balance Shee ..	50,23,703
Total ..	64,46,132	Total ..	64,46,132

APPENDIX No. 30.

Improvement Schemes Account Slum Improvement General Account for the year ending 31st March 1989.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 38	4,74,45,177	By Revenue Receipts as per Appendix No. 34 under	
		(i) Hutment Colony	6,14,01,907
Transfer of Surplus to Capital A/C.	1,39,56,730	(ii) Contribution from Budget 'A'	
		(iii) Subsidy for meeting the deficit	
Total	6,14,01,907	Total	6,14,01,907

APPENDIX No. 39.
IMPROVEMENT SCHEMES
Capital Account Balance Sheet as on 31st March 1989.

LIABILITIES		Amount	ASSETS		Amount
Rs.	P.	Rs.	Rs.		Rs.
Loan Outstanding—			Block Account—		
<i>(Vide details as shown in Appendix No. 52)</i> ...		8,00,00,000.00	Property and Assets at original cost as per Appendix No. 43 ...		43,14,48,520.13
Loan—Redemption Fund ...		20,05,10,489.06	Less—Assets Credited by—		
Advance from Surplus Money ...		27,09,28,945.35	(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 ...		10,08,72,310.25
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 ...		5,90,96,015.82	Investments—		
Special Funds—			* Sinking Fund In Paper & Cash as per Appendix No. 48 ...		5,90,96,015.82
Investment Reserve Fund ...		4,34,99,037.63	†† Investment Reserve Fund In Fixed Depo. & Cash ...		4,34,99,037.63
Amenities Fund ...		67,52,980.60	†† Amenities Fund In Securities & Cash ...		67,52,980.60
Rent Equalisation Fund ...		1,83,54,141.11	†† Rent Equalisation Fund In Securities & Cash ...		1,83,54,141.11
Less—		68,39,07,099.57	Capital Fund—		
Revenue Deficit :			In Fixed Deposit ...		...
Deficit upto 31st March 1989 ...		18,05,71,981.73	In Cash ...		...
Deficit during 1988-89 ...		4,87,29,072.80			
		22,93,01,054.53			
Total ...		45,45,99,045.04	Total ...		45,45,99,045.04

† 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 1989 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.
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
6.7/4%	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	8,63,100	Par	8,63,100.00	Par	8,63,100.00
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		67,52,900		67,52,900.00		67,52,900.00
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.	13,68,000	Par	13,68,000.00	Par	13,68,000.00
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
9.3/3%	Rs. 500 Lakh 'B' Loan 85-86	5,59,800	Par	5,59,800.00	Par	5,59,800.00
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		1,83,54,100		1,83,54,100.00		1,83,54,100.00

APPENDIX No. 40

Slum Clearance City

Capital Account Balance Sheet as on 31st March 1989

LIABILITIES	Amount	ASSETS	Amount
	Rs. P.		Rs. P.
Loan Outstanding (Vide details as shown in Appendix-53)	4,76,33,832.19	Block Account—	
Subsidy from Government	1,06,52,426.00	Property and Assets at original cost as per Appendix No. 44	6,04,13,736.82
Sale proceeds upto 31st March 1989	33,028.68	Investment—	
Sinking Fund on Loans	2,42,80,823.54	Sinking Fund as per Appendix No. 49	2,42,80,823.54
Loan Redemption Fund	1,49,67,083.81	Capital Fund—	
Advances from Surplus monies	5,35,83,175.11	In Fixed Deposit	
	15,11,50,369.33	Cash	
Less—			
Revenue Deficit—	Rs. P.		
Deficit upto 31st March 1988	6,31,65,260.94		
Add— Deficit during 1988-89	32,90,548.03		
	6,64,55,808.97		
Total	8,46,94,560.36	Total	8,46,94,560.36

APPENDIX No. 41

Slum Clearance Suburbs and Extended Suburbs

Capital Account Balance Sheet as on 31st March 1989

LIABILITIES	Amount	ASSETS	Amount
	Rs. P.		Rs. P.
Loan Outstanding (Appendix No. 53)	4,67,26,587.55	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	2,38,16,080.88	Investment—	
Sale proceeds upto 31st March 1989	48,07,242.90	Sinking Fund as per Appendix No. 50	2,38,16,080.88
Loan Redemption Fund	69,66,389.45	Capital Fund—	
Advances from Surplus Monies	4,94,50,590.05	In Fixed Deposit	
	13,75,49,669.83	Cash	
Less—			
Revenue Deficit—	Rs. P.		
Deficit upto 31st March 1988	6,32,46,419.54		
Add— Deficit during 1988-89	50,23,702.91		
	6,82,70,122.45		
Total	6,92,79,547.38	Total	6,92,79,547.38

APPENDIX No. 42

Slum Improvement

Capital Account Balance Sheet as on 31st March 1989.

LIABILITIES	Amount	ASSETS	Amount
	Rs. P.		Rs. P.
Loan Outstanding (Appendix No 54)	2,00,00,000.00	Block Account—	
Sinking Fund on Loan	63,69,411.14	Property and Assets at original cost as per Appendix No 46	44,30,80,192.59
Reimbursement of Capital expenditure from B.H. & A.D. Board	15,29,85,816.21	Investment—	
Receipt from the Collector of Bombay & B.S.D. for M.L.A. Works	7,09,13,695.00	Sinking Fund as per Appendix No. 51	63,69,411.14
Receipt from Government of Maha- rashtra for demolition and reconstruc- tion of A.P./W.C. Works	109,00,000.00	Capital Fund—	
Receipt from from R-rat Surp'a in A	1,39,56,730.07	In Fixed Deposit	
Advance from Surplus Monies	17,52,23,951.31	Cash	
Total	41,94,49,603.71	Total	44,94,49,603.73

IMPROVEMENT SCHEMES

Block account showing details of Capital Expenditure upto 31st March 1989.

Particulars	Total Capital Expenditure upto 31st March 1988	Expenditure during 1988-89	Total Capital Expenditure upto 31st March 1989	Particulars	Total Capital Expenditure upto 31st March 1988	Expenditure during 1988-89	Total Capital Expenditure upto 31st March 1989
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
CAPITAL ACCOUNT				Brought over	37,97,03,125	40,56,244	38,37,59,369
Improvement and Schemes				Housing Accommodation	1,21,19,982	..	1,21,19,982
Schedule W Lands	13,45,571	..	13,45,571	Acquisition of land at Mogra for shifting potter from Dharavi to Jogeshwari	5,74,346	..	5,74,346
Schedule X Lands	16,26,471	..	16,26,471	Const. of 100' wide Rd. from Edward to Jakeria Bunder Road—Acquisition of Port Trust land by B. M. C.	28,08,780	..	28,08,780
Schedule Z Lands	8	..	8	Acquisition of Land in Survey No. 12, Hissal, Squatters Nos. 130-136 of Eksar Pahel for housing of dishoused tenants as well as displaced Industries in execution of its sanctioned Schemes	94,149	..	94,149
Scheme				Acquisition of land at Borla Village.	76,55,240	6,08,834	82,64,074
No.				Acquisition of land bearing C S No. 1325 (Part) and 11325 Lower Parel Division for housing dishoused persons as a result of Municipal Scheme	1,82,329	..	1,82,329
1 First Nagpada	29,16,099	..	29,16,099	Acquisition of land B. S. D. S. No. 12H No. 12 at Borla for squatters Camp & 60 wide Road, Chembur Govandi Road.	..	6,30,639	6,30,639
2 Princess Street	85,08,865	..	85,08,865	Acquisition of land at Poisar and Kandivali in Survey No. 94 and 95 (Part) of Poisar Survey Nos. 126 and 128 and 129 (Part) of Kandivali	3,51,977	..	3,51,977
3 Sandhurst Road	1,16,02,375	..	1,16,02,375	Taking over explosion victims tenements S P Sheds at Shantinagar Arthur Road etc.	4,84,801	..	4,84,801
4 Gamdevi	22,88,002	..	22,88,002	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	43,42,078	2,27,583	45,69,661
5 Dadar-Matunga	1,00,53,384	..	1,00,53,384		40,83,16,807	55,23,300	41,38,40,107
6 Sion-Matunga	2,06,31,826	..	2,06,31,826	Bpolice Accommodation Schemes,			
7 Colaba Reclamation	4,78,538	..	4,78,538	Scheme			
8 Mandvi Koliwada	26,52,501	..	26,52,501	No.			
11 Agripada	3,127	..	3,127	14 First Nagpada	84,450	..	84,450
13 Southern Street Extension East-wards	68,102	..	68,102	16 Wodehouse Road	3,22,667	..	3,22,667
27 Mahahew Road	14,11,129	..	14,11,129	17 Duncan Road	58,981	..	58,981
29 Notwroj Hill	86,57,482	..	86,57,482	18 Shepherd Road	36,223	..	36,223
30 Southern Street Extension West-wards	1,30,512	..	1,30,512	19 Agripada	1,79,120	..	1,79,120
31 Parel Suparibaug Estate	91,42,350	..	91,42,350	23 Connaught Road	79,495	..	79,495
32 East Agripada	50,59,050	..	50,59,050	24 Princess Street	2,65,953	..	2,65,953
33 Bhatwadi	3,28,433	..	3,28,433	25 Gamdevi	1,29,407	..	1,29,407
36 Lamington Road	2,91,191	..	2,91,191	34 Lamington Road	4,61,024	..	4,61,024
37 Sydenham Road	1,40,51,180	..	1,40,51,180	35 Sandhurst Road	1,46,104	..	1,46,104
41 Undria Street	5,72,800	..	5,72,800	39 Sandhurst Road East	7,58,893	..	7,58,893
43 Parel Road Central	38,97,348	..	38,97,348	40 Byculla	8,28,411	..	8,28,411
47 Parel Road North	52,96,220	..	52,96,220	44 Maharbaudi	2,714,34	..	2,714,34
49 Nepean Sea Road—Reclamation	3,053	..	3,053	45 Palton Road	5,71,492	..	5,71,492
50 Mazgaon Street	40,68,206	..	40,68,206	46 Naigaum	5,69,142	..	5,69,142
52 Worli Road	2,81,18,471	..	2,81,18,471	48 Mahim	4,53,032	..	4,53,032
53 Forak Road	36,82,045	..	36,82,045	55 Chinchbunder Road	4,32,656	..	4,32,656
54 Kolbhatwadi	21,79,254	..	21,79,254	55A Mazgaon	4,53,560	..	4,53,560
55 Bellasis Road	17,02,028	..	17,02,028	63 King's Circle (Matunga)	4,82,185	..	4,82,185
56 Dharavi Street	1,88,35,036	..	1,88,35,036	67 Naigaum (for Armed Police and Recruits)	24,42,031	..	24,42,031
57 Sewri Wadala	5,50,97,235	..	5,50,97,235	70 Arthur Road	1,58,357	..	1,58,357
58 Worli-Extension	1,71,69,755	..	1,71,69,755		91,84,617	..	91,84,617
59 Sewri-Koliwada	6,91,392	..	6,91,392		41,75,01,424	55,23,300	42,30,24,724
60 Naigaum Street	76,18,685	..	76,18,685				
61 Fergusson Road	15,68,030	..	15,68,030				
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	1,889	..	1,889				
East Chaupati Estate	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	11,77,62,052	40,56,244	12,18,18,296				
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 Vikroli	151	..	151				
Construction of Dormitories	6,92,736	..	6,92,736				
Acquisition of land Govandi	26,60,199	..	26,60,199				
Carried forward	37,97,03,125	40,56,244	38,37,59,369	Carried forward	37,97,03,125	40,56,244	38,37,59,369

Appendix No. 43—(Concl.)

Particulars	Total Capital Expenditure upto 31st March 1988	Expenditure during 1988-89	Total Capital Expenditure upto 31st March 1989	Particulars	Total Capital Expenditure upto 31st March 1988	Expenditure during 1988-89	Total Capital Expenditure upto 31st March 1989
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over	41,75,01,424	55,23,300	42,30,24,724	Brought over	41,89,10,557	55,23,300	42,44,33,857
Mill Company's Canal Schemes				Brought over	7,56,460	..	7,56,460
Scheme No.				Refund to preliminary expenses to Government	38,019	..	38,019
42 Spring Mills	5,18,990	..	5,18,990	Preliminary expenses in connection with the Improvements of slum areas	6,8816	..	68,816
51 Century Mills	1,29,980	..	1,29,980	Provision of a lift in the Improvement Trust Building at Napier Road near Queens Statue	12,267	..	12,267
65 David Mills	2,96,852	..	2,96,852		8,75,562	..	8,75,562
	9,45,822	..	9,45,822	Discount on Loans	14,53,359	..	14,53,359
Slum Clearance				Expenses in connection with the Loan of Rs. 10 lakhs.	12,227	..	12,227
Preliminary Expenses	22,481	..	22,481	Expenses in connection with the repayment of Rs. 25 Lakhs loan..	19,504	..	19,504
Transit Camps for providing alternative housing accommodation to facilitate Slum Clearance—				Expenses in connection with the loan raised in 1957-58.	62,048	..	62,048
(i) Construction of 244 tenements, etc.	2,58,843	..	2,58,843	Repayment of Rs. 40 lakhs loan of 1919.	26,83,469	..	26,83,469
(ii) Construction of 210 tenements etc.	1,81,987	..	1,81,987	Part payment of Rs. 25 Lakhs loan of 1926.	19,08,494	..	19,08,494
	4,63,311	..	4,63,311		61,39,101	..	61,39,101
Miscellaneous							
Survey of the Island of Bombay	1,06,046	..	1,06,046				
Administrative Offices, etc. Building on Esplanade Road near Queen's Statue	3,21,562	..	3,21,562				
Engineer's Office at Matungs	1,38,468	..	1,38,468				
Central Stores at the back of Free Filastikcher school	15,656	..	15,656				
Store yard at Agripada etc.	83,801	..	83,801				
Workshop for Motor Lorries at Agripada	90,368	..	90,368				
Tools and Plans	559	..	559				
Carried forward	7,56,460	..	7,56,460				
Carried forward	41,89,10,557	55,23,300	42,44,33,857	Grand Total	4259,25,220	55,23,300	4314,48,520

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

APPENDIX No. 44.

IMPROVEMENT SCHEMES—SLUM CLEARANCE—CITY.

Block account showing details of Capital Expenditure upto 31st March 1989.

PARTICULARS	Total Capital expenditure upto 31st March 1988	Expenditure during 1988-89	Total Capital expenditure upto 31st March 1989
	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, Laibaug.	12,35,124	71,265	13,06,389
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	21,680	3,95,761
Construction of bldg. at Bhat Chawl compound at Worli.	10,22,212	..	10,22,212
Total A.—Works to be carried out from Municipal Fund	97,00,307	92,945	97,93,252
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	3,67,891	8,96,426
Construction of tenements at Gas works land (Peru chawl compound) Lalla-paug, Phase-III.	1,925	2,76,589	2,78,514
Acquisition of land within adjoining or surrounded by Clearance Areas for—rehousing or other development works.	54,73,593	...	54,73,593
Construction of 120 Tenements for Conservancy staff at Walpakhadi Phase-III.	..	6,002	6,002
Redevelopment at Gora Gandhi Chawls	..	33,611	33,611
Permanent Housing for Slum Population.	4,39,32,339	...	4,39,32,339
Total—B.—Works to be carried out with the Government Aid	4,99,36,392	6,84,093	5,06,20,485
Grand Total*	5,96,36,699	7,77,038	6,04,13,737

* 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 1989.

PARTICULARS	Total Capital Expenditure upto 31st March 1988	Expenditure during 1988-89	Total Capital Expenditure upto 31st March 1989
	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.	2,78,39,044	...	2,78,39,044
Grand Total	4,54,63,466	...	4,54,63,466

Improvement Scheme Account, Slum Improvement Block Account showing details of Capital Expenditure upto 31st March 1989.

Sr. No.	Particulars	Total Capital Expenditure upto 31-3-1988	Expenditure during 1988-89	Total Capital Expenditure upto 31-3-1989
		Rs.	Rs.	Rs.
1	Providing civic amenities.	18,88,97,394	4,46,25,890	23,35,23,284
2	Providing additional amenities.	10,56,77,485	14,82,103	10,71,59,588
3	Civic amenities such as A. P. Block	00,27,08,131		27,08,131
4	Developing the pitches and providing amenities commencing in the way of construction of fly-over bridge at Goregaon.	00,07,95,987		7,95,987
5	Demolition and reconstruction of A. P./W. C. Block.	01,86,48,437	1,01,58,598	2,88,07,035
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.	5,03,55,869	1,97,30,298	7,00,86,167
	Total	36,70,83,303	7,59,96,889	44,30,80,192
Programme-wise breakup is as shown below :				
1	Out of Programme for 1984-85.	2,61,21,566	6,89,388	2,68,10,954
2	Out of Programme for 1985-86.	1,77,63,539	16,86,098	1,94,49,637
3	Out of Programme for 1986-87.	*64,57,202	1,16,56,714	1,81,13,916
4	Out of Programme for 1987-88.	13,562	54,14,190	54,27,752
5	Out of programme for 1988-89.		2,83,908	2,83,908
	Total	5,03,55,869	1,97,30,298	7,00,86,167

* Reduction due to transfer of expenditure of Rs. 13,562 to S. W. P. 1987-88 on the basis of receipt of fund for an individual work.

APPENDIX No. 52—(Consolidated)

Statement showing outstanding balances of Loans on 31st March 1989, pertaining to Budget 'B'.

Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1989.	Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1989
1	2	3	4	1	2	3	4
			Rs.				Rs.
	Improvement Scheme—			35	Programme No. 10	5 1/2%	
				36	Ra. 1,62,343 Loan, 1966-67	5 1/2%	1,09,626.24
				37	Ra. 2,108 Loan, 1967-68	5 1/2%	1,427.68
				38	Ra. 1,146 Loan, 1967-68	5 1/2%	778.20
					Ra. 58,964 Loan, 1968-69	5 1/2%	39,905.00
	Loans Raised from Public—				Total Prog. 10		1,51,737.12
				39	Programme No. 11	5 1/2%	
				40	Ra. 69,426 Loan, 1968-69	5 1/2%	46,976.60
				41	Ra. 75,936 Loan, 1969-70	5 1/2%	51,370.07
					Ra. 13,725 Loan, 1970-71	6 1/2%	9,592.88
					Total—Prog. 11		1,07,939.55
					Total—Govt. Loans		45,97,832.19
					Loan raised from the Public—		
1	Ra. 100 Lakhs Loan, 1965-66	6%	1,00,00,000.00	42	Ra. 30 Lakhs Loan, 1964-65	4 1/2%	30,00,000.00
2	Ra. 50 Lakhs Loan, 1966-67	6%	50,00,000.00	43	Ra. 50 Lakhs Loan, 1966-67	6%	50,00,000.00
3	Ra. 50 Lakhs Loan, 1967-68	6%	50,00,000.00	44	Ra. 25 Lakhs Loan, 1971-72	6%	25,00,000.00
4	Ra. 75 Lakhs Loan, 1968-69	6%	75,00,000.00	45	Ra. 50 Lakhs Loan, 1972-73	6%	50,00,000.00
5	Ra. 250 Lakhs Loan 1976-77	6 1/2%	2,50,00,000.00	46	Ra. 50 Lakhs Loan, 1973-74	5%	50,00,000.00
6	Ra. 275 Lakhs Loan 1977-78	6 1/2%	2,75,00,000.00	47	Ra. 75 Lakhs Loan, 1975-76	6 1/2%	75,00,000.00
	Total—Public Loans		8,00,00,000.00	48	Ra. 100 Lakhs Loan, 1976-77	6 1/2%	1,00,00,000.00
	Total—Improvement Scheme		8,00,00,000.00	49	Ra. 50 Lakhs Loan 1977-78	6 1/2%	50,00,000.00
					Total—Public Loans		4,30,00,000.00
	Slum Clearance—City—				Total—Slum Clearance (City)		4,75,97,832.19
	Loans raised from the Govt.				Slum Clearance—Suburbs & Ext'd. Suburbs—		
	Programme No. 1				Loan raised from the Govt.—		
7	Ra. 9,50,997 Loan, 1957-58	4 1/2%	4,97,945.33	50	Programme No. 2	5 1/2%	
8	Ra. 6,12,000 Loan, 1958-59	4 1/2%	3,20,445.40	51	Ra. 307,000 Loan, 1959-60	5 1/2%	2,02,414.63
9	Ra. 2,73,000 Loan, 1959-60	4 1/2%	1,42,945.46	52	Ra. 5,84,000 Loan, 1960-61	5 1/2%	3,85,034.25
10	Ra. 1,85,000 Loan, 1960-61	4 1/2%	86,622.05	53	Ra. 3,54,375 Loan, 1962-63	5 1/2%	2,42,026.00
11	Ra. 5,04,000 Loan 1961-62	4 1/2%	2,55,291.11	54	Ra. 1,67,625 Loan, 1963-64	5 1/2%	1,14,484.31
12	Ra. 2,64,529 Loan, 1962-63	5 1/2%	1,45,124.11	55	Ra. 2,43,364 Loan, 1964-65	5 1/2%	1,66,217.79
13	Ra. 2,50,971 Loan, 1963-64	5 1/2%	1,37,686.02		Ra. 11,599 Loan, 1966-67	5 1/2%	7,852.30
14	Ra. 47,250 Loan, 1964-65	5 1/2%	25,922.11		Total—Prog. 2		11,18,029.28
15	Ra. 2,20,355 Loan, 1964-65	5 1/2%	1,20,889.74		Programme No. 3		
16	Ra. 50,504 Loan, 1965-66	5 1/2%	26,956.50	56	Ra. 1,62,000 Loan, 1960-61	4 1/2%	51,297.63
17	Ra. 73 Loan, 1965-66	5 1/2%	39.66	57	Ra. 9,72,000 Loan, 1961-62	4 1/2%	3,07,783.56
18	Ra. 568 Loan 1968-69	5 1/2%	303.36	58	Ra. 1,00,182 Loan, 1962-63	5 1/2%	33,756.52
	Total—Prog. 1..		17,60,170.25	59	Ra. 7,818 Loan, 1963-64	5 1/2%	2,635.54
	Programme No. 2				Total—Prog. 3		3,95,473.25
19	Ra. 94,500 Loan, 1961-62	4 1/2%	62,295.08	60	Programme No. 4	5 1/2%	
	Total—Prog. 2...		62,295.08	61	Ra. 4,65,300 Loan 1963-64	5 1/2%	3,17,802.86
	Programme No. 3			62	Ra. 1,08,900 Loan 1964-65	5 1/2%	74,382.67
20	Ra. 9,00,000 Loan 1960-61	4 1/2%	2,85,001.00	63	Ra. 4,75,911 Loan 1964-65	5 1/2%	3,25,029.25
21	Ra. 62,037 Loan 1962-63	5 1/2%	20,903.71	64	Ra. 1,31,267 Loan 1965-66	5 1/2%	88,808.60
22	Ra. 9,963 Loan 1963-64	5 1/2%	3,357.65	65	Ra. 1,53,917 Loan 1965-66	5 1/2%	1,04,136.34
	Total—Prog. 3		3,09,262.36	66	Ra. 1,07,739 Loan 1965-66	5 1/2%	72,888.71
	Programme No. 4			67	Ra. 1,06,343 Loan 1965-66	5 1/2%	71,943.29
23	Ra. 3,69,600 Loan, 1963-64	5 1/2%	2,52,442.23	68	Ra. 1,28,865 Loan 1966-67	5 1/2%	67,132.81
24	Ra. 1,84,800 Loan, 1964-65	5 1/2%	1,26,221.13	69	Ra. 66,705 Loan 1967-68	5 1/2%	45,135.79
	Total—Prog. 4		3,78,663.36	70	Ra. 12,159 Loan, 1967-68	5 1/2%	8,234.19
	Programme No. 6			71	Ra. 22,388 Loan 1968-69	5 1/2%	15,155.56
25	Ra. 1,53,900 Loan, 1966-67	5 1/2%	82,165.20		Ra. 3,519 Loan 1968-69	5 1/2%	2,384.95
26	Ra. 10,190 Loan, 1967-68	5 1/2%	5,438.94		Total Prog. 4		12,13,085.02
27	Ra. 6,910 Loan, 1967-68	5 1/2%	3,688.05		Total Govt. Loans		27,26,587.55
28	Ra. 57,000 Loan, 1968-69	5 1/2%	30,423.95		Loans raised from the Public—		
	Total—Prog. 6		1,21,716.14	72	Ra. 50 Lakhs Loan 1966-67	6%	50,00,000.00
	Programme No. 9			73	Ra. 50 Lakhs Loan 1967-68	6%	50,00,000.00
29	Ra. 6,10,818 Loan, 1966-67	5 1/2%	4,13,251.05	74	Ra. 25 Lakhs Loan 1968-69	6%	25,00,000.00
30	Ra. 5,73,838 Loan, 1967-68	5 1/2%	3,88,229.94	75	Ra. 40 Lakhs Loan 1973-74	6%	40,00,000.00
31	Ra. 7,28,110 Loan, 1968-69	5 1/2%	4,92,593.65	76	Ra. 100 Lakhs Loan 1975-76	6 1/2%	1,00,00,000.00
32	Ra. 1,00,518 Loan, 1968-69	5 1/2%	68,015.23	77	Ra. 125 Lakhs Loan 1976-77	6 1/2%	1,25,00,000.00
33	Ra. 1,04,516 Loan, 1969-70	5 1/2%	70,708.88	78	Ra. 50 Lakhs Loan 1977-78	6 1/2%	50,00,000.00
34	Ra. 3,91,298 Loan, 1970-71	6 1/2%	2,73,249.58		Total—Public Loans		4,40,00,000.00
	Total—Prog. 9.		17,06,048.33		Total—Slum Clearance (Subs. & Ext. Subs.)		4,67,26,587.55
					Slum Improvement—		
					Loans raised from Public :—		
				79	Ra. 200 Lakhs Loan 1976-77	6 1/2%	2,00,00,000.00
					Total—Slum Improvement		2,00,00,000.00
					Grand Total—Budget 'B'		19,43,24,419.74

APPENDIX No. 59
EDUCATION FUND

Revenue Account for the year ended 31st March 1989.

Particulars		Particulars	Total
	Rs. P.		Rs. P.
To revenue Expenditure ..	91,23,66,097.94	By Revenue Receipts ..	94,00,68,902.58
To Revenue Surplus during the year 1988-89	2,77,02,804.64	By Revenue Deficit during the year 1988-89	..
Total ..	94,00,68,902.58	Total ..	94,00,68,902.58
To Revenue Expenditure to be incurred in 1989-90 and provided for as Renewed Grants.	8,05,74,000.00	By Surplus Revenue Fund as at 1st April 1988.	1,08,83,233.66
To Revenue deficit during the year 1988-89	..	By Revenue Surplus during the year 1988-89.	2,77,02,804.64
To Balance being Surplus Revenue Fund as at 31st March 1989...	1,75,71,838.30	By Revenue Expenditure grant of previous years reserved for the year 1988-89	5,95,59,800.00
	9,81,43,838.30		9,81,43,838.30

APPENDIX No. 62.

EDUCATION FUND

Revenue Account Balance Sheet as at 31st March 1989.

Liabilities		Assets	
	Rs. P.		Rs.
Due on Cheques Payable	36,17,903.37	Cash at Bank ..Rs. 1,35,09,056.65	
Due on Outstanding Charges on account of Interest Accrued but Not Paid.. (Appendix-69)	50,75,449.66	Cash in Office Rs. Cr. 26,42,520.90	Cr. 1,08,66,535.75
Unclaimed Dues & Deposits (Refundable) Account (Appendix 67-A)	1,36,844.70	Education Loan Interest Warrants Payable Account. ..	850.25
Deposits in Cash and Public Securities from Contractors and Private Parties (Appendix-68)	4,94,77,954.70	Advances Appendix No. 67 ..	5,26,92,493.19
Interest on Loans Payable A/c. (Appendix No. 65)		Deposits—	
Endowment Fund (Appendix-72)	13,79,199.39	In Securities	
Due on Outstanding Charges for 1988-89 and previous year ..	8,05,74,000.00	In Office	
Surplus Revenue Fund (Vide Appendix No. 59)	1,75,71,838.30	Amount held in	
		Budget 'A' Div.—I	9,79,40,994.06
		Advance from Surplus monies for Capital Works ..	
		Investments—	
		Endowment Fund—	
		(Appendix-72)	
		In Securities ..Rs. 4,76,750.00	
		In Fixed Deposit ..Rs. 9,02,300.00	
		In Cash .. Rs. 149.39	13,79,199.39
		Surplus Fund	
		In Securities* .. Rs. 1,66,84,500.00	
		In Call Deposit	
		In Cash at Bank .. Rs. 1,688.98	1,66,86,188.98
Total ..	15,78,33,190.12	Total ..	15,78,33,190.12

* Details of Securities held in Surplus Fund

	Face Value Rs.	Book Value Rs.
11% Rs. 200 Lakhs Budget E Loan 1987-88	69,30,900.00	69,30,900.00
6% Rs. 25 Lakhs Budget E Loan 1967-68	21,41,000.00	21,41,000.00
6% Rs. 20 Lakhs Budget E Loan 1968-69	19,53,400.00	19,53,400.00
6% Rs. 20 Lakhs Budget E Loan 1971-72	20,00,000.00	20,00,000.00
6% Rs. 100 Lakhs Budget E Loan 1972-73	36,59,200.00	36,59,200.00
Total ..	1 66 84 500.00	1 66 84 500.00

A/c 6454 Edu.

APPENDIX No. 63

EDUCATION FUND

Capital Fund Balance Sheet as at 31st March 1989.

Liabilities		Assets	
	Rs. P.		Rs. P.
Loans Outstanding—		Block Account Appendix 64	
Due to Public	34,45,00,000.00	Loan Funds	49,35,19,529.16
Trust Fund	694.31	Trust Fund	2,08,755.42
		Investment—	
Surplus—		Sinking Fund Appendix 66 and 71	
Sinking Fund	6,54,86,133.62	In Securities Rs. 6,54,86,100.00	
Contribution from Trust Fund / ..	2,08,755.42	In cash at Bank Rs. 33.62	6,54,86,133.62
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. 17,30,00,000.00		In Securities Rs. 2,48,64,400.00	
Less—		In Cash at Bank Rs. 75.70	2,48,64,475.79
Assets written off Rs. 2,44,495.14	17,27,55,504.86		
Grand Total ..	58,40,79,588.21	Grand Total ..	58,40,79,588.21
* Details of Securities held in Loan Fund.			
		Face Value Rs.	Book Value Rs.
6 1/2% Rs. 150 Lakhs Budget B Loan 1976-77 .. .. .	...	1 36 44 700.00	1 36 44 700.00
6% B.M.D. Div-I Loan 1965-66 .. .. .	...	59 94 200.00	59 94 200.00
6% B.M.D. Div-I Loan 1966-67 .. .. .	...	24 70 000.00	24 70 000.00
6% B.M.D. Budget B Loan 1966-67 .. .. .	...	24 93 000.00	24 93 000.00
6% B.M.D. Budget B Loan 1967-68 .. .. .	...	2 62 500.00	2 62 500.00
		Total ..	2 48 64 400.00

APPENDIX No. 64

Statement showing Capital Works Expenditure upto 31st March 1989.

Education Fund.

Capital Account	Total Capital Works Expenditure upto 31st March 1988	Capital Works Expenditure during 1988-89	Total Capital Works Expenditure upto 31st March, 1989
	Rs.	Rs.	Rs.
Loan Funds			
City Section	16,68,21,906.35	45,72,052.82	17,13,93,959.17
Western Suburban Section	21,69,93,260.54	1,00,79,270.45	22,70,72,530.99
Eastern Suburban Section	8,63,46,871.65	87,06,167.35	9,50,53,039.00
Total Loan Fund ..	47,01,62,038.54	2,33,57,490.62	49,35,19,529.16
Trust Fund	2,08,755.42		2,08,755.42
Grand Total ..	47,03,70,793.96	2,33,57,490.62	49,37,28,284.58

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

**APPENDIX
EDUCATION**

Statement showing outstanding Loans due by the Municipal Corporation the Interest but standing on 1st April 1988 and Office during that year and the balance outstanding on 31st March 1989.

Particulars of Loans	Rate of Interest percent. p.a.	Balance due on 1-4-1988	Amount raised on 1988-89	Total	Amount repaid on 1988-89
(1)	(2)	(3)	(4)	(5)	(6)
		Rs.	Rs.	Rs.	Rs.
Loans from Public					
(1) Rs. 253 Lakhs Loan (1978-79) ..	6½	2,53,00,000	..	2,53,00,000	2,53,00,000
(2) Rs. 275 Lakhs Loan (1979-80) ..	6½	2,75,00,000	..	2,75,00,000	..
(3) Rs. 55 Lakhs Loan (1980-81) ..	7	55,00,000	..	55,00,000	..
(4) Rs. 110 Lakhs Loan (1981-82) ..	7½	1,10,00,000	..	1,10,00,000	..
(5) Rs. 220 Lakhs Loan (1982-83) ..	7½	2,20,00,000	..	2,20,00,000	..
(6) Rs. 302.5 Lakhs Loan (1983-84) ..	8½	3,02,50,000	..	3,02,50,000	..
(7) Rs. 192.50 Lakhs Loan (1984-85) ..	9	1,92,50,000	..	1,92,50,000	..
(8) Rs. 110 Lakhs Loan (1985-86) ..	9½	1,10,00,000	..	1,10,00,000	..
(9) Rs. 220 Lakhs Loan (1986-87) ..	11	2,20,00,000	..	2,20,00,000	..
(10) Rs. 220 Lakhs Loan (1987-88) ..	11	2,20,00,000	..	2,20,00,000	..
(11) Rs. 120 Lakhs Loan (1988-89) ..	11½	..	1,20,00,000	1,20,00,000	..
Total Loans from Public ..		19,58,00,000	1,20,00,000	20,78,00,000	2,53,00,000
Loans from Internal Funds					
(12) Rs. 12.5 Lakhs Loan (1963-64) ..	4½	12,50,000	..	12,50,000	12,50,000
(13) Rs. 25 Lakhs Loan (1966-67) ..	6	25,00,000	..	25,00,000	..
(14) Rs. 25 Lakhs Loan (1967-68) ..	6	25,00,000	..	25,00,000	..
(15) Rs. 20 Lakhs Loan (1968-69) ..	6	20,00,000	..	20,00,000	..
(16) Rs. 20 Lakhs Loan (1971-72) ..	6	20,00,000	..	20,00,000	..
(17) Rs. 100 Lakhs Loan (1972-73) ..	6	1,00,00,000	..	1,00,00,000	..
(18) Rs. 50 Lakhs Loan (1974-75) ..	6½	50,00,000	..	50,00,000	..
(19) Rs. 50 Lakhs Loan (1975-76) ..	6½	50,00,000	..	50,00,000	..
(20) Rs. 150 Lakhs Loan (1976-77) ..	6½	1,50,00,000	..	1,50,00,000	..
(21) Rs. 50 Lakhs Loan (1976-77) ..	6½	50,00,000	..	50,00,000	..
(22) Rs. 30 Lakhs Loan (1977-78) ..	7½	30,00,000	..	30,00,000	..
(23) Rs. 100 Lakhs Loan (1978-79) ..	6½	1,00,00,000	..	1,00,00,000	..
(24) Rs. 100 Lakhs Loan (1981-82) ..	7	1,00,00,000	..	1,00,00,000	..
(25) Rs. 500 Lakhs Loan (1985-86) ..	9½	5,00,00,000	..	5,00,00,000	..
(26) Rs. 200 Lakhs Loan (1986-87) ..	11	2,00,00,000	..	2,00,00,000	..
(27) Rs. 200 Lakhs Loan (1987-88) ..	11	2,00,00,000	..	2,00,00,000	..
Total Loans from Internal Funds ..		16,32,50,000	..	16,32,50,000	12,50,000
Grand Total ..		35,90,50,000	1,20,00,000	37,10,50,000	2,65,50,000

FUND

on the different Loan, the amount Payable for the year 1988-89, the amount paid by the State Bank of India.

Balance due on 31st March 1989	Interest outstanding on 1-4-1988	Interest payable in 1988-89	Total Interest due	Deduct Interest paid by the State Bank of India and in Office,	Interest Outstanding as on 31st March 1989.
(7)	(8)	(9)	(10)	(11)	(12)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	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	..	24,20,000.00	24,20,000.00	24,20,000.00	..
1,20,00,000
18,25,00,000	..	1,66,25,125.00	1,66,25,125.00	1,66,25,125.00	..
..	..	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	3,12,000.00	..
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	..	22,00,000.00	22,00,000.00	22,00,000.00	..
16,20,00,000	..	1,39,24,375.00	1,39,24,375.00	1,39,24,375.00	..
34,45,00,000	..	3,05,49,500.00	3,05,49,500.00	3,05,49,500.00	..

APPENDIX No.—70

EDUCATION FUND

Statement showing the amounts of Receipts and Expenditure respectively credited and debited to the Education Fund during the year 1988-89 and the balance at the credit of the Fund at the close of the year 1988-89 (i.e. 31st March 1989).

	Rs.	P.
RECEIPTS—A.—REVENUE ACCOUNT		
(1A) Education Cess	11,02,56,080.63	
(1) Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act—		
(i) From Budget 'A' Div. I	4,16,23,860.00	
(ii) From Budget 'A' Div. II	4,43,93,370.00	
(iii) From Budget 'A' Div. III	1,63,16,510.00	
(2A) Special Contribution from—		
(i) From Budget 'A' Division I	62,82,80,000.00	
(3) Contribution from Government under Clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act	9,06,97,172.00	
(4) Interest on Endowment and Investments	16,930.52	
(5) Rent and other proceeds of properties	34,06,824.03	
(6) Interest and Profits on Investments of Surplus, Loan and other balances	31,54,740.10	
(7) Miscellaneous Receipts	19,23,415.30	
Total—Revenue Receipts ..	94,00,68,902.58	
RECEIPTS—B.—CAPITAL ACCOUNT		
(1) New Loans	1,20,00,000.00	
(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 ..	1,20,00,000.00	
RECEIPTS—C.—SUSPENSE ACCOUNT		
Advances to Municipal Officers—		
(a) Standing Advances for Contingent Expenditure	1,698.50	
(b) Motor Car and Motor Cycles to Officers	15,520.00	
(c) Dishonoured Cheque	6,129.20	
(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	95,28,782.45	
Total—Advances ..	95,52,130.15	
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	2,76,52,389.96	
(2) Endowment Fund (Paper and Cash) Account	56,000.00	
(3) Loan Fund (Paper and Cash) Account	3,62,21,900.00	
(4) Surplus Fund (Paper and Cash) Account	4,81,30,003.40	
(5) Sundry Deposits Account .. .. .	..
Total—Paper and Cash ..	11,20,60,293.36	

APPENDIX No. 70—(Contd.)

	Rs.
Deposit Account	1,80,88,975.60
Provident Fund	8,45,05,270.95
Pension Fund	51,16,390.42
Gratuity Fund	2,71,588.12
Cheques Payable	84,07,66,017.00
Endowment Fund Account	1,00,000.00
Sinking Fund Account—Education	2,23,90,946.63
Amount Transferred from Municipal General fund Budget A to Education Fund A/c	94,84,60,208.89
Education Loan Interest Warrants Payable Account	1,65,50,375.00
Interest Accrued but not paid	6,91,277.77
Investment of Surplus Monies in Public Securities .. .. .	..
Loan Redemption Fund Account	2,65,50,000.00
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.	1,96,34,31,050.38
Total—Suspense Receipts	2,08,50,43,473.89
EXPENDITURE—A.—REVENUE ACCOUNT	
A.—General Supervision and Administration	1,83,92,971.73
B.—Municipal Primary Schools	63,12,85,944.85
C.—Private Primary Schools	3,82,87,558.28
D.—Medical Inspection of School Children	75,76,152.26
E.—Enforcement of Compulsion	4,38,220.90
F.—Educational Activities	49,65,179.87
G.—Pension and Provident Fund	5,39,74,908.84
L.—New Works	51,612.13
J.—Debt Charges	4,42,14,129.45
K.—Training Facilities for Municipal Teachers	2,12,332.28
L.—Proportionate Cost of Collection of Education Cess	18,65,534.16
M.—Extra-Curricular Activities	6,08,291.71
O.—Proportionate Cost of C.E.'s Central Planning Staff	9,22,259.25
P.—Lump-sum provision for staff contingency etc. for expansion of existing and new activities. .. .. .	..
T.—Lump-sum provision for Deposit Linked Insurance Scheme	7,51,358.13
R.—Lump-sum provision for payment of arrears on account of Revision of grades.. .. .	6,70,61,191.27
U.—Lump-sum provision for recurring estt. cost on account of revision of grades and Ex-gratia payment	4,16,29,141.09
V.—Lump-sum provision for unforeseen expenditure during the year	1,29,311.74
Total—Revenue Expenditure	91,23,66,097.94
EXPENDITURE—B.—CAPITAL ACCOUNT	
(1) Loan Funds	2,33,57,490.62
(2) Trust Fund .. .. .	..
Total—Capital Expenditure	2,33,57,490.62

EXPENDITURE—C.—SUSPENSE ACCOUNT		Rs.
Advances to Municipal Officers—		
(a) Standing Advances for Contingent expenditure		48,100.00
(b) Motor Cars and Motor Cycles to Officers		6,129.20
Dishonoured Cheques		6,129.20
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		5,13,27,247.40
Total—Advances		5,13,81,476.60
Paper and Cash Account—State Bank of India and other Local Banks including paper Deposits in Office Custody—		
Sinking Fund (Paper and Cash) Account		2,32,09,594.02
Endowment Fund (Paper and Cash) Account		56,000.00
Loan Fund (Paper and Cash) Account		2,48,64,409.38
Surplus Fund (Paper and Cash) Account		6,26,80,289.95
Sundry Deposits Account		1,00,000.00
Total—Paper and Cash		11,09,10,293.36
Deposit Account		1,54,92,639.89
Provident Fund		8,45,05,270.95
Pension Fund		51,16,390.42
Gratuity Fund		2,71,588.12
Cheques Payable		83,86,28,972.11
Wages Deposit Account .. ..		..
Amount transferred from Education Fund A/c to Municipal General Fund Budget 'A'		96,70,84,680.60
Endowment Fund Account .. ..		..
Sinking Fund Account Education		2,68,33,742.57
Education Loan Interest Warrants—Payable Account		1,65,50,375.00
Interest Accrued but not paid		5,03,640.62
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		2,65,50,000.00
Unclaimed Dues and Deposits (Refundable) Account		2,000.00
Interest on Loans Payable A/c .. ..		..
Total—Deposits etc.		1,98,15,39,300.28
Total—Suspense Expenditure		2,14,38,31,070.24

APPENDIX No. 70—(Concl.)

SUMMARY

Receipts	Account	Disbursements
Rs. P.		Rs. P.
3,15,76,440.89	Opening Balance on 1st April 1988—	
94,00,68,902.58	A.—Revenue Account	91,23,66,097.94
1,20,00,000.00	B.—Capital Account	2,33,57,490.62
2,08,50,43,473.89	C.—Suspense Account	2,14,38,31,070.24
3,03,71,12,376.47	Closing Balance on 31st March 1989	3,07,95,54,658.80 —1,08,65,841.44
3,06,86,88,817.36	Total	3,06,86,88,817.36
£ Banks Reconciliation—		Rs. P.
Balance as per Bank's Pass Book		33,200.86
<i>Add</i> —Revenue sent to the Bank on 31st March 1989 but acknowledged on 1st April 1989		2,576.90
Total		35,777.76
<i>Less</i> —Uncashed cheques		1,35,44,834.41
Balance as per Day Book (Col. No. 10)		—1,35,09,056.65
		Rs. P.
Balance in Office in Government Promissory Notes etc.		
Balance in Office in Cash		
Collection kept in office 26,43,215.21		26,43,215.21
Closing Balance as shown at above		—1,08,65,841.44

REVENUE & ELECTION

ASSESSMENT & COLLECTION DEPARTMENT (INCLUDING OCTROI BRANCH) 88-89

High Lights— I—Money Spent on

(Rs. in Lacs)

	City	Western Subs.	Eastern Subs.	Octroi	Total
i) Establishment	231.26	143.95	103.59	383.44	862.24
ii) Other Expenditure	37.33	10.68	4.46	32.66	85.13
iii) Commission to Collecting agencies.	...	...	...	233.76	233.76

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. 76.24 Crores as compared with last year.

The details whereof are as under :—

(Rs. in Crores)

Municipal Property Taxes, charges and Wheel Tax.			Octroi		
Collection made in 1987-88	Collection made in 1988-89.	Excess	Collection made in 1987-88.	Collection made in 1988-89	Excess
209.76	238.25	28.49	270.31	318.06	47.75
					76.24

The Property taxes and Octroi are the main stay of revenue of the 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 remarkable improvement in the total tax collection including Government taxes during the year under report in as much as the department brought Rs. 261.82 Crores as against Rs. 231.37 Crores during the previous year.

The total demand of Municipal Property taxes, including Water Charges and Wheel Tax was Rs. 433.57 Crores whereas the total outstanding which includes arrears of past and previous years was Rs. 195.66 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 1987 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 by an ordinary person. Railway authorities in the meantime paid Rs. 1.53 crores. during the year 1988-89.

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, Valuer, 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. 11.82 Crores was collected during the year 1988-1989.

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 rateable value whereof being more than Rs. 1,500/-, at the rate of 10% of the rateable value per year. The work of levy and recovery of this tax is entrusted to Assessment & Collection Department. Maharashtra Tax on Buildings (with Larger Residential Premises) Cell collected Rs. 96,16,000/- during the year 1988-1989.

Octroi :—

In the year 1988-89, the rates of Octroi continued to be the same as in the year 1987-88.

The amount of Octroi collection during the year 1988-89 was Rs. 318.06 Crores as against Rs. 270.31 Crores during the year 1987-88. This showed an increase of Rs. 47.75 Crores in Octroi collection in the year 1988-89 as compared with the Octroi collection in the year 1987-88.

Figures of Octroi collection, refunds etc., for the years 1986-87, 1987-88 and 1988-89 are as under :—

	Figures in Crores			Increase over
	1986-87	1987-88	1988-89	1987-88
1. Gross collection.	230.77	270.31	318.06	47.75
2. Less Refunds.	13.21	14.38	20.51	6.13
3. Net Revenue.	217.56	255.93	297.55	41.62
4. Fees for stamping.	0.0001	0.0004	0.00006	0.00002
5. Fees in respect of Refunds.	1.65	2.05	3.15	1.10
6. Departmental Collection.	169.53	196.42	237.71	41.29

56,260 claims for refund of Octroi on goods exported out of Bombay were received during the year 1988-89 as compared to 64,757 claims received in the year 1987-88.

Election :—

During the year under report, the Election Branch was functioning under Dy. A. & C. (City) Shri K. G. Rahalkar.

The office of the tiny cell of Municipal Election Branch is situated on the ground floor of Municipal Head Office Building under the control of the Assessor & Collector. The Election Rolls, prepared for holding Municipal General Elections/Bye-elections from time to time, are made available for inspection on payment of scheduled fees to the applicants enrolled. Extracts from election rolls are provided on payment of scheduled charges, if necessary. The next Municipal General Elections of the Corporation are due in the months of January/March 1990. A temporary Election Department has started functioning from early April 1989 for making preparations for ensuing Municipal General Elections.

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	—do—
(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—
(7) Tree Cess	0.50		For R. V. between Rs. 1/- & Rs. 74/-.
(8) State Education Cess— Slabs of Annual letting value.	2.50		For R. V. between Rs. 75/- & Rs. 299/-.
	3.00		For R. V. between Rs. 300/- & Rs. 4,999/-.
	5.00		For R. V. of Rs. 5,000/- & above.
	0.50		In the areas of City and Subs.
			In respect of lands & buildings used or intended to be used for residential purpose.
(1) On R. V. Re. 1/- to Rs. 74/-		Nil	Nil
(2) Rs. 75/- or more but not more than Rs. 150/-.		2.00	4.00
(3) More than Rs. 150/- but less than Rs. 300/-.		3.00	6.00
(4) Rs. 300/- or more but less than Rs. 3000/-.		4.00	8.00
(5) Rs. 3000/- or more but less than Rs. 6000/-.		5.00	10.00
(6) Rs. 6000/- or more.		6.00	12.00
(9) 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.		
(10) Sewerage charges in case of properties metered and sewered.	50% of the amount of water charges billed where properties sewered.		
(11) Employment Guarantee Cess.	At 1/4th the rate of 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 1988-89.

Properties	City	Western Subs.	Eastern Subs.	Total
(1) Properties as on 31-3-1989.	58,139	1,02,629	62,680	2,23,448
(2) Properties Exempted from General Tax	3,039	1,330	781	5,150
(3) Properties Newly assessed.	199	2,031	922	3,152
(4) Properties Enlarged.	835	1,688	1,015	3,538
(5) Properties Demolished.	175	298	116	589

APPENDIX — III

Statement of Rateable Value as on 31-3-89, Rates of Rateable Value per head etc.

	City	Western Subs.	Eastern Subs.	Total
(1) Rateable Value	Rs. 133,64,41,790	Rs. 127,21,09,388	Rs. 50,66,97,410	Rs. 311,52,48,588
(2) Population (Census 1981)	32,85,040	28,58,152	21,00,443	82,43,635
(3) Rate per head of population	406.83	445.08	241.23	377.90
(4) No. of complaints against R. V.	1,143	2,778	1,241	5,162
(5) Percentage of Reduction in R. V.	11.35%	25.06%	22.48%	15.93%
(6) No. of appeals received against R. V.	318	1,226	177	1,721
(7) No. of appeals pending against R. V.	292	1,210	158	1,660

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.	1986-87	114.74	72.98	63.60%	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%
City.	1988-89	177.74	99.11	55.76%	78.63	44.24%
Western Subs.	—"	136.37	74.08	54.32%	62.29	45.68%
Eastern Subs.	—"	98.15	62.21	63.38%	35.94	36.62%
Wheel Tax						
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	1988-89	11.94	1.60	13.40%	10.34	86.60%
Western Subs.	—"	5.63	0.60	10.66%	5.03	89.34%
Eastern Subs.	—"	3.74	0.31	8.29%	3.43	91.71%

	City	Western Subs.	Eastern Subs.	Total
Miscellaneous Receipts 1988-89				
1) Notice Fee	1,86,947	1,98,742	1,07,657	4,93,346
2) Warrant Cost.	12,066	43,690	26,280	82,036
3) Penalty.	8,53,128	14,66,878	5,10,057	28,30,063
Amount of General Tax Exempted.	2,20,54,845	61,38,433	64,29,681	3,46,22,959

APPENDIX — 'V'

- 1) Statement showing total Demand, Collection and Outstanding of the Municipal Property Taxes during 1988-89 (Municipal Property Taxes including Water Tax, Water Benefit Tax, Sewerage Tax, Sewerage Benefit Tax but excluding Water charges & Sewerage charges).

(Rs. in Lacs)

(1988-89)

Period	Out-standing as on 1-4-88	Amount of bills issued during the year	Gross demand	Amount of bills re-called during the year	Net Demand	Less Unsettled demand	Effective Demand	Collection made during the year	Out-standing as on 31-3-89	Percentage of collection to net demand
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. — I City										
Upto 1986-87	2130.53	149.79	2280.32	95.03	2185.29	—	—	367.65	1817.64	—
1987-88	1733.40	130.52	1863.92	157.15	1706.77	—	—	465.28	1241.49	—
1988-89	—	7043.92	7043.92	640.45	6403.47	—	—	4543.39	1860.08	—
Total :	3863.93	7324.23	11188.16	892.63	10295.53	—	—	5376.32	4919.21	52.22%
Div. — II										
Western Subs.										
Upto 1986-87	2123.58	76.07	2199.65	77.73	2121.92	—	—	198.08	1923.84	—
1987-88	1425.38	311.79	1737.17	334.04	1403.13	—	—	532.11	871.02	—
1988-89	—	6385.73	6385.73	713.81	5671.92	—	—	3969.30	1702.62	—
Total :	3548.96	6773.59	10322.55	1125.58	9196.97	—	—	4699.49	4497.48	51.10%
Div — III										
Eastern Subs.										
Upto 1986-87	1268.18	12.41	1280.59	25.11	1255.48	—	—	104.94	1150.54	—
1987-88	582.33	172.27	754.60	142.30	612.30	—	—	253.53	358.77	—
1988-89	—	2532.01	2532.01	251.75	2280.26	—	—	1589.65	690.61	—
Total :	1850.51	2716.69	4567.20	419.16	4148.04	—	—	1948.12	2199.92	46.96%
Grand Total	9263.40	16814.51	26077.91	2437.37	23640.54	—	—	12023.93	11616.61	50.86%

2) Water charges by Meter Measurement including Sewerage charges & Meter Rent 1988-89.

(Rs. in Lacs)

Period	Out-standing as on 1-4-88	Amount of bills issued during the year	Gross demand	Amount of bills recalled during the year	Net Demand	Less Unsettled demand.	Effective Demand	Collection made during the year	Out-standings as on 31-3-89	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. I City Upto 1986-87	1123.72	36.10	1159.82	82.96	1076.86	—	—	87.32	989.54	
1987-88	1115.42	246.90	1362.32	109.93	1252.39	—	—	646.91	605.48	
1988-89	—	5592.65	5592.65	443.65	5149.00	—	—	3800.36	1348.64	
Total :	2239.14	5875.65	8114.79	636.54	7478.25	—	—	4534.59	2943.66	60.64%
Div. II Western Subs. Upto 1986-87	829.73	59.61	889.34	40.09	849.25	—	—	54.57	794.68	
1987-88	563.21	166.00	729.21	40.83	688.38	—	—	383.49	304.89	
1988-89	—	2960.23	2960.23	57.54	2902.59	—	—	2270.30	632.29	
Total :	1392.94	3185.84	4678.78	138.56	4440.22	—	—	2708.36	1731.86	61.00%
Div. III Eastern Subs. Upto 1986-87	589.31	58.04	647.35	44.79	602.56	—	—	74.58	527.98	
1987-88	506.26	112.33	618.59	89.25	529.34	—	—	273.57	255.77	
1988-89	—	4715.13	4715.13	180.09	4535.04	—	—	3925.19	609.85	
Total :	1095.57	4885.50	5981.07	314.13	5666.94	—	—	4273.34	1393.60	75.41%
Grand Total :	4727.65	13946.99	18674.64	1089.23	17585.41	—	—	11516.29	6069.12	65.49%

(3) Sewerage Charges

(Rs. in Lacs)

(1988-89)

Period	Out-standing as on 1-4-88	Amount of bills issued during the year	Gross demand	Amount of bills recalled during the year	Net Demand	Less Unsettled demand.	Effective Demand	Collection made during The year	Out-standings as on 31-3-89	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. I City Upto 1986-87	256.11	6.65	262.76	7.25	255.51	—	—	25.36	230.15	
1987-88	421.43	132.74	554.17	26.35	527.82	—	—	164.72	363.10	
1988-89	—	1,842.66	1,842.66	145.89	1,696.77	—	—	1,162.31	534.46	
Total :	677.54	1,982.05	2,659.59	179.49	2,480.10	—	—	1,352.39	1,127.71	64.53%
Div. II Western Subs. Upto 1986-87	134.21	17.12	151.33	3.62	147.71	—	—	8.87	138.84	
1987-88	241.41	47.35	288.76	16.02	272.74	—	—	145.15	127.59	
1988-89	—	930.87	930.87	17.69	913.18	—	—	684.92	228.26	
Total :	375.62	995.34	1370.96	37.33	1333.63	—	—	838.94	494.69	62.91%
Div. III Eastern Subs. Upto 1986-87	162.94	5.24	168.18	13.20	154.98	—	—	9.26	145.72	
1987-88	217.12	41.43	258.55	21.91	236.64	—	—	94.30	142.34	
1988-89	—	1038.70	1038.70	27.86	1010.84	—	—	722.24	288.60	
Total :	380.06	1085.37	1,465.43	62.97	1,402.46	—	—	825.80	576.66	58.88%
Grand Total :	1,433.22	4,062.76	5,495.98	279.79	5,216.19	—	—	3,017.13	2,199.06	67.87%

(4) Wheel Tax.*(Amount in Lacs) (1988-89)*

Period	Out-standing as on 1-4-88	Amount of bills issued during the year	Gross demand	Amount of bills recalled during the year	Net Demand.	Less Unsettled demand.	Effective Demand	Collection made during the year	Out-standings as on 31-3-89	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. I. City										
Upto 1986-87	726.49	5.82	732.31	6.12	726.19	---	---	35.23	690.96	
1987-88	168.74	3.79	172.53	2.47	170.06	---	---	28.36	143.70	
1988-89	—	301.46	301.46	3.21	298.25	---	---	99.00	199.25	
Total :	895.23	311.07	1,206.30	11.80	1,194.50	---	---	160.59	1,033.91	13.44%
Div. II Western Sub.										
Upto 1986-87	352.40	3.49	355.89	0.63	355.26	---	---	16.45	338.81	
1987-88	81.39	3.65	85.04	0.30	84.74	---	---	11.83	73.11	
1988-89	—	123.27	123.27	0.25	123.02	---	---	31.97	91.05	
Total :	433.79	130.41	564.20	1.18	563.02	---	---	60.05	502.97	10.67%
Div. III Eastern Sub.										
Upto 1986-87	246.86	2.52	249.38	1.53	247.85	---	---	10.50	237.35	
1987-88	52.01	2.63	54.64	0.39	54.25	---	---	8.55	47.69	
1988-89	—	72.12	72.12	0.41	71.71	---	---	13.76	57.95	
Total :	298.87	77.27	376.14	2.33	373.81	---	---	30.82	342.95	8.24%
Grand Total :	1,627.89	518.75	2,146.64	15.31	2,131.33	---	---	251.46	1,879.87	11.80%

(5) Water Tax

Period	Outstanding as on 1-4-1988		Amount of bills issued during the year		Cross Demand		Amount of bills recalled during the year		Net Demand		Less Unsettled Demand		Effective Demand		Collection during the year		Outstanding as on 31-3-1989		Percentage of Collection to Net Demand	
	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.
	(Rs. in Lacs) (1988-89)																			
Div. - I City																				
Upto 1986-87	205.12	—	5.02	—	210.14	—	14.96	—	195.18	—	—	—	—	—	27.13	—	168.05	—	—	—
1987-88	40.81	118.95	3.30	8.70	44.11	128.65	17.57	18.66	36.54	109.99	—	—	—	—	11.09	36.97	25.45	73.02	—	—
1988-89	—	—	183.00	367.17	183.00	367.19	12.06	33.02	170.94	334.17	—	—	—	—	127.07	204.33	43.87	129.84	—	—
Total :	245.93	118.95	191.32	357.89	437.25	495.84	34.59	51.68	402.66	444.16	—	—	—	—	165.29	241.30	237.37	202.86	41.06%	54.33%
Div. - II Western Sub.																				
Upto 1986-87	69.90	—	0.30	—	70.20	—	0.35	—	69.85	—	—	—	—	—	0.42	—	69.43	—	—	—
1987-88	10.62	0.44	0.20	0.25	10.82	0.69	0.06	—	10.76	0.69	—	—	—	—	0.16	—	10.60	0.69	—	—
1988-89	—	—	24.55	0.67	24.55	0.57	0.59	0.06	23.96	0.51	—	—	—	—	9.38	0.19	14.58	0.32	—	—
Total :	80.52	0.44	25.05	0.82	106.57	1.26	1.00	0.06	104.57	1.20	—	—	—	—	9.96	0.19	94.61	1.01	9.52%	15.83%
Div. - III Eastern Sub.																				
Upto 1986-87	23.93	—	—	—	23.93	—	—	—	23.93	—	—	—	—	—	0.16	—	23.77	—	—	—
1987-88	2.06	0.81	0.06	—	2.14	0.61	—	—	2.14	0.61	—	—	—	—	0.43	0.10	1.71	0.51	—	—
1988-89	—	—	19.75	2.06	19.75	2.06	0.15	—	19.60	2.06	—	—	—	—	17.11	0.77	2.49	1.29	—	—
Total :	25.99	0.61	19.83	2.06	45.82	2.67	0.15	—	45.67	2.67	—	—	—	—	17.70	0.87	27.97	1.80	38.76%	32.58%
Grand Total :	352.44	121.00	236.20	378.77	588.64	499.77	35.74	51.74	552.90	448.03	—	—	—	—	192.95	242.36	359.95	205.67	34.90%	54.09%

6) Water Benefit Tax.

(Rs. in Lacs) (1988-89)

Period	Outstanding as on 1-4-1988		Amount of bills issued during the year		Cross Demand		Amount of bills recalled during the year		Net Demand		Less Unsettled Demand		Effective Demand		Collection during the year		Outstanding as on 31-3-1989		Percentage of Collection to Net Demand		
	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	
Div. - I City																					
Upto 1986-87	290.24	—	6.91	—	297.15	—	9.79	—	287.36	—	—	—	—	—	35.01	—	252.35	—	—	—	
1987-88	41.39	271.95	5.73	13.32	47.12	285.27	4.43	19.12	42.69	266.15	—	—	—	—	19.48	53.13	23.21	213.02	—	—	
1988-89	—	—	297.65	839.29	297.65	839.29	11.59	108.28	286.06	731.01	—	—	—	—	228.94	481.21	57.12	249.80	—	—	
Total:	331.63	271.95	310.29	852.61	641.92	1,124.56	25.81	127.40	616.11	997.16	—	—	—	—	283.43	534.34	332.68	462.82	46.00%	53.69%	
Div. - II Western Sub.																					
Upto 1986-87	341.41	—	6.37	—	347.78	—	9.83	—	337.95	—	—	—	—	—	21.37	—	316.58	—	—	—	
1987-88	101.40	176.99	30.57	17.90	131.97	194.89	33.88	15.88	98.09	179.01	—	—	—	—	50.26	32.09	47.83	146.92	—	—	
1988-89	—	—	549.06	473.16	549.06	473.16	64.06	45.63	485.00	427.53	—	—	—	—	401.21	224.26	83.79	203.27	—	—	
Total:	442.81	176.99	586.00	491.06	1,028.81	668.05	107.77	61.51	921.04	606.54	—	—	—	—	472.84	256.35	448.20	350.19	51.34%	42.26%	
Div. - III Eastern Sub.																					
Upto 1986-87	144.55	—	1.92	—	146.47	—	2.85	—	143.62	—	—	—	—	—	15.72	—	127.90	—	—	—	
1987-88	54.33	53.38	7.52	24.51	61.85	77.89	7.51	17.12	54.34	60.77	—	—	—	—	23.50	20.69	30.84	40.08	—	—	
1988-89	—	—	167.03	258.12	167.03	258.12	14.78	29.53	152.25	228.59	—	—	—	—	122.30	143.36	29.95	85.23	—	—	
Total:	198.88	53.38	176.47	282.63	375.35	336.01	25.14	46.65	350.21	289.36	—	—	—	—	161.52	164.05	188.69	125.31	46.12%	56.69%	
Grand Total:	973.32	502.32	1072.76	1626.30	2046.08	2128.62	159.72	236.56	1887.36	1893.06	—	—	—	—	917.79	954.74	969.57	938.32	48.63%	50.43%	

CO

(7) Sewerage Tax

(Amount in Lacs) (1988-89)

Period	Outstanding as on 1-4-1988		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		Outstanding as on 31-3-1989		Percentage of Collection to Net Demand		
	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	
Div. - I City																				
Upto 1986-87	213.84	—	83.16	—	297.00	—	8.20	—	287.80	—	—	—	—	95.16	—	192.64	—	—	—	
1987-88	38.55	55.03	6.20	5.34	44.75	60.37	4.37	10.81	40.38	49.46	—	—	—	7.72	20.83	32.66	28.83	—	—	
1988-89	—	—	132.28	303.09	132.28	303.09	6.78	19.48	125.50	283.61	—	—	—	74.28	230.89	51.24	52.72	—	—	
Total :	252.39	55.03	221.64	308.43	474.03	363.46	20.35	30.39	453.68	333.07	—	—	—	177.14	251.72	276.54	81.35	39.06%	75.58%	
Div. - II Western Sub.																				
Upto 1986-87	276.71	—	20.34	—	297.05	—	10.67	—	286.38	—	—	—	—	30.42	—	255.96	—	—	—	
1987-88	66.25	125.83	16.07	11.77	82.32	137.60	25.37	14.69	56.96	122.91	—	—	—	21.99	15.36	34.96	107.55	—	—	
1988-89	—	—	297.04	283.64	297.04	283.64	47.57	36.34	249.47	247.30	—	—	—	156.99	90.28	92.48	157.02	—	—	
Total :	342.96	125.83	333.45	295.41	676.41	421.24	83.61	51.03	592.80	370.21	—	—	—	209.40	105.64	383.40	284.57	35.32%	28.54%	
Div. - III Eastern Sub.																				
Upto 1986-87	138.24	—	1.12	—	139.36	—	4.19	—	135.17	—	—	—	—	11.53	—	123.64	—	—	—	
1987-88	39.94	40.94	4.88	9.94	44.82	50.88	7.08	10.92	37.74	39.96	—	—	—	13.52	12.34	24.22	27.62	—	—	
1988-89	—	—	96.11	161.21	96.11	161.21	12.17	16.53	84.02	144.68	—	—	—	49.86	72.31	34.16	72.37	—	—	
Total :	178.18	40.94	102.19	171.15	280.37	212.09	23.44	27.45	256.93	184.64	—	—	—	74.91	84.65	182.02	99.99	29.18%	45.85%	
Grand Total :	773.53	221.80	657.28	774.99	1430.81	996.79	127.40	108.87	1303.41	887.92	—	—	—	461.45	442.01	841.96	445.91	35.40%	49.78%	

06

8) Sewerage Benefit Tax.

(Amount in Lacs) (1988-89)

Period	Outstanding as on 1-4-1988		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		Outstanding as on 31-3-1989		Percentage of Collection to Net Demand	
	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.	R.	N.R.
Div. - I City																				
Upto 1986-87	196.68	—	4.79	—	203.47	—	6.46	—	197.01	—	—	—	—	—	24.48	—	172.53	—	—	—
1987-88	23.52	171.95	5.46	8.91	28.98	180.86	3.60	11.49	25.38	169.37	—	—	—	—	11.68	32.85	13.70	136.52	—	—
1988-89	—	—	275.31	520.30	275.31	520.30	12.72	58.73	262.59	461.57	—	—	—	—	189.41	302.23	73.18	159.34	—	—
Total :	222.20	171.95	285.56	529.21	507.76	701.16	22.78	70.22	484.98	630.94	—	—	—	—	225.57	335.08	259.41	295.86	46.51%	53.11%
Div. - II Western Sub.																				
Upto 1986-87	256.93	—	4.07	—	261.00	—	6.67	—	254.33	—	—	—	—	—	14.18	—	240.15	—	—	—
1987-88	68.61	113.62	20.87	10.65	89.48	124.27	22.55	8.78	66.93	114.49	—	—	—	—	34.70	18.77	32.23	95.72	—	—
1988-89	—	—	365.86	283.10	365.86	283.10	42.06	26.62	323.81	256.48	—	—	—	—	265.90	145.02	57.71	111.46	—	—
Total :	325.54	113.62	390.60	293.75	716.14	407.37	71.27	36.40	644.87	370.97	—	—	—	—	314.78	163.79	330.09	207.18	48.81%	44.15%
Div. - III Eastern Sub.																				
Upto 1986-87	94.85	—	1.31	—	96.16	—	1.98	—	94.18	—	—	—	—	—	10.20	—	83.98	—	—	—
1987-88	28.13	28.16	5.03	15.09	33.16	13.25	4.89	10.74	28.27	32.51	—	—	—	—	14.07	13.85	14.20	18.66	—	—
1988-89	—	—	112.12	154.75	111.12	154.75	9.61	17.80	101.51	136.95	—	—	—	—	81.54	85.12	19.97	51.83	—	—
Total :	122.98	28.16	117.46	169.84	240.44	198.00	16.48	28.54	223.96	169.46	—	—	—	—	106.81	98.97	118.15	70.49	47.24%	58.40%
Grand Total :	670.72	313.73	793.62	992.80	1464.34	1306.53	110.53	135.16	1353.81	1171.37	—	—	—	—	646.16	597.84	707.65	573.53	47.73%	51.04%

9) Tree Cess

(Rs. in Lacs)

(1988-89)

Period	Out-standing as on 1-4-88	Amount of bills issued during the year	Gross demand	Amount of bills re-called during the year	Net Demand	Less Unsettled demand	Effective Demand	Collection made during the year	Out-standing as on 31-3-89	Percentage of collection to net demand
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. — I City										
Upto 1986-87	—	—	—	—	—	—	—	—	—	—
1987-88	—	—	—	—	—	—	—	—	—	—
1988-89	—	99.48	99.48	8.26	91.22	—	—	47.85	43.37	—
Total :	—	99.48	99.48	8.26	91.22	—	—	47.85	43.37	52.46%
Div. — II										
Western Subs.										
Upto 1986-87	—	—	—	—	—	—	—	—	—	—
1987-88	—	—	—	—	—	—	—	—	—	—
1988-89	—	69.18	69.18	7.07	62.11	—	—	43.03	19.08	—
Total :	—	69.18	69.18	7.07	62.11	—	—	43.03	19.08	69.28%
Div — III										
Eastern Subs.										
Upto 1986-87	—	—	—	—	—	—	—	—	—	—
1987-88	—	—	—	—	—	—	—	—	—	—
1988-89	—	26.50	26.50	2.73	23.77	—	—	16.48	7.29	—
Total :	—	26.50	26.50	2.73	23.77	—	—	16.48	7.29	69.33%
Grand Total	—	195.16	195.16	18.06	177.10	—	—	107.36	69.74	60.62%

APPENDIX — VI

Statement showing total Demand, Collection and Outstanding of Government Taxes and Cess during 1988-89.

(1) State Education Cess

(Amount in Lacs)

Period	Out-standing as on 1-4-88	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 31-3-89	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	%
Div. I. City										
Upto 1986-87	469.59	29.10	498.69	21.79	476.90	---	---	62.85	414.06	---
1987-88	344.12	24.06	368.18	29.25	338.93	---	---	80.61	258.32	---
1988-89	—	1319.83	1319.83	136.38	1183.45	---	---	771.82	411.63	---
Total :	813.71	1372.99	2186.70	187.42	1999.28	---	---	815.28	1084.00	45.78%
Div. II Western Subs.										
Upto 1986-87	375.73	11.82	387.55	15.04	372.51	---	---	27.82	344.69	---
1987-88	282.00	52.45	334.45	52.96	281.49	---	---	81.20	200.29	---
1988-89	—	1061.64	1061.64	116.46	945.18	---	---	650.35	294.83	---
Total :	657.73	1125.91	1783.64	184.46	1599.18	---	---	759.37	839.81	47.48%
Div. III Eastern Sub.										
Upto 1986-87	232.49	2.86	235.35	5.21	230.14	---	---	19.36	210.78	---
1987-88	103.00	31.85	134.85	28.92	105.93	---	---	44.57	61.36	---
1988-89	—	446.21	446.21	48.11	398.10	---	---	278.91	119.19	---
Total :	335.49	480.92	816.41	82.24	734.17	---	---	342.84	391.33	46.70%
Grand Total :	1806.93	2979.82	4786.75	454.12	4332.63	---	---	2017.49	2315.14	46.56%

(2) Urban Immoveable Property Tax

(Amount Rs. in lacs)

(1988-89)

Period	Out-standing as on 1-4-88	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 31-3-89	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	%
Upto 1982-83										
City	0.26	---	0.26	---	0.26	---	---	0.10	0.16	38.46%
W. Subs.	1.19	---	1.19	---	1.19	---	---	---	1.19	---
E. Subs.	1.06	---	1.06	---	1.06	---	---	0.01	1.06	0.94%
Grand Total :	2.51	---	2.51	---	2.51	---	---	0.11	2.40	4.38%

**(3) Employment Guarantee Cess
1988-89**

(Amount Rs. in Lacs)

Period	Out-standing as on 1-4-88	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 31-3-89	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. I. City										
Upto & 1986-87	195.16	6.74	201.90	6.39	196.51	---	---	15.33	181.18	---
1987-88	76.18	5.32	81.50	6.66	74.84	---	---	18.83	56.01	---
1988-89	---	265.27	265.27	30.64	234.63	---	---	159.21	75.42	---
Total :	271.34	277.33	548.67	42.69	505.98	---	---	193.37	312.61	38.22%
Div. II Western Subs.										
Upto & 1986-87	105.50	2.04	107.54	2.17	105.37	---	---	4.12	101.25	---
1987-88	50.42	5.75	56.17	5.66	50.51	---	---	10.16	40.35	---
1988-89	---	142.13	142.13	15.41	126.72	---	---	76.10	50.62	---
Total :	155.92	149.92	305.84	23.24	282.60	---	---	90.38	192.22	31.98%
Div. III Eastern Subs.										
Upto & 1986-87	49.05	0.59	49.64	1.14	48.50	---	---	3.31	45.19	---
1987-88	18.09	6.34	24.43	5.72	18.71	---	---	7.58	11.13	---
1988-89	---	75.49	75.49	9.04	66.45	---	---	44.71	21.74	---
Total :	67.14	82.42	149.56	15.90	133.65	---	---	55.60	78.06	41.60%
Grand Total :	494.40	509.67	1004.07	81.83	922.24	---	---	339.35	582.89	36.80%

4) Additional State Education Cess

(Amount Rs. in Lacs) (1988-89)

Period	Out-standing as on 1-4-88	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 31-3-89	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
(Upto & 1973-74)										
City	2.06	---	2.06	---	2.06	---	---	0.01	2.05	0.49%
Western Subs.	2.64	---	2.64	---	2.64	---	---	0.02	2.62	0.76%
Eastern Subs.	2.45	---	2.45	---	2.45	---	---	0.03	2.42	1.22%
Total :	7.15	---	7.15	---	7.15	---	---	0.06	7.09	0.84%

(5) Repairs and Reconstruction Cess

(Amount Rs. in Lacs) (1988-89)

Period	Out-standing as on 1-4-88	Amount of bills issued during the year 1988-89	Gross Demand	Amount of bills recalled during the year 1988-89	Net Demand	Less Unsettled Demand.	Effective Demand 1988-89	Collection during the year	Out-standings as on 31-3-89	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Past & Previous years										
Upto 1-4-88										
A	2,111.92	63.40	2,175.32	66.62	2,108.70	---	---	377.40	1,731.30	
B	172.77	2.34	175.11	26.60	148.51	---	---	21.30	127.21	
C	236.70	3.69	240.39	11.62	228.77	---	---	29.07	199.70	
Total :	2,521.39	69.43	2,590.82	104.84	2,485.98	---	---	427.77	2,058.21	17.21%
Current Year 1988-89										
A	---	1,888.95	1,888.95	108.21	1,580.74	---	---	639.92	940.82	
B	---	111.55	111.55	8.84	102.71	---	---	45.57	57.14	
C	---	144.36	144.36	7.86	136.50	---	---	68.42	68.08	
Total :	---	1,944.86	1,944.86	124.91	1,819.95	---	---	753.91	1,066.04	41.42%
Grand Total :	2,521.39	2,014.29	4,535.68	229.75	4,305.93	---	---	1,181.68	3,124.25	27.44%

APPENDIX — VII

Bills issued during the year 1988-89

	CITY		WESTERN SUBS.		EASTERN SUBS.		GRAND TOTAL	
	Past and Pre-previous 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
Property Taxes	2,67,560	1,16,649	8,21,406	1,96,950	7,09,962	1,22,450	17,98,928	4,36,049
Water Charges by Meter Measurement including Meter Hire.	43,520	87,051	1,34,273	1,91,483	1,37,556	83,030	3,15,349	3,61,564
Wheel Tax	10,36,781	2,51,607	4,72,637	1,26,824	3,40,659	72,918	18,50,077	4,51,349

APPENDIX — VIII

Break-up of locked up outstanding of Municipal Taxes and Charges as on 31st March 1989.

(Rs. in Crores)

Divisions	City	W. Subs.	E. Subs.	Total
(1) Amount involved in Writ petitions, appeals, etc. (G.T., E.C./G Budget Taxes)	5.89	6.14	1.57	13.60
(2) Amount involved in complaints against R. V.	25.61	7.39	3.26	36.26
(3) Amount involved in unauthorised structures, G.T., E. C./G Budget Taxes	0.79	8.89	8.80	18.48
(4) Taxes due from other departments pending adjustments	1.34	0.85	0.67	2.86
(5) Property Taxes due from B.P.T., Railway, Govt.	3.30	2.10	0.10	5.50
(6) Water Charges being amount of monthly and quarterly issue and disputes regarding rates and consumption thereof.	10.01	12.74	2.25	25.00
(7) Attachment cases under process	3.26	2.72	1.64	7.62
(8) Instalment allowed.	0.77	0.40	0.39	1.56
(9) Property & Wheel Tax disputes	11.35	6.10	4.26	21.71
(10) Bills issued at the fag end of the years.	3.76	6.96	3.93	14.65
(11) Arrears of textile mills & N. T. C.	5.37	0.07	0.15	5.59
(12) Disputes of under consumption bills (water charges)	2.78	0.46	0.23	3.47
(13) Court Cases of water charges disputes	2.30	0.76	0.86	3.92
(14) Official Liquidator	1.41	0.35	—	1.76
(15) Recoverable as on 31st March 89.	11.03	11.39	11.26	33.68
Total balance as on 31-3-1989 :	88.97	67.32	39.37	195.66

- (1) The matters are pending before the Court and recovery would be effected as and when appeals and petitions before the courts are disposed off.
- (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. 1.53 crores during 1988-89. The question of assessment of Railway properties from 1st April 1987 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 as it would affect production and increase unemployment.
- (12) Provision of Rule iii (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

A) Cinema Theatres and Tax

	No. of Theatres Class I	No. of Theatres Class II	Total No. of Theatres	Collection during 1987-88	Collection during 1988-89
				Rs.	Rs.
City	66	—	66	17,75,416/-	17,01,073
Western Subs.	40	—	40	6,07,475/-	10,15,134
Eastern Subs.	22	—	22	9,93,801/-	6,09,664
Total :	128	—	128	33,76,692/-	33,25,871

(B) Vehicles and Animals taxed under Public Conveyance Act.

(a) Hack Victories (2 Horses each)	—
(b) Labour Carts (with pair of bullocks)	2,362
(c) Hand Carts	16,078

Vehicles and Animals taxed during the year 1988-89.

Vehicles or Animals taxed during the year	No.	Vehicles or Animals taxed during the year	No.
1) Motor cycle solo.	1,91,893	12) Passenger Buses	2,329
2) Motor Cycle with side car.	4,014	13) Ambulance	228
3) Trade certificates	36	14) Others	—
4) Motor lorries	27,646	15) Four Wheeled Vehicles drawn by animals	—
5) Delivery Vans	16,884	16) Two wheeled vehicles drawn by animals	2,362
6) Trailors	671	17) Hand Carts	16,078
7) Tankers	1,098	18) Horses	14
8) Cranes	624	19) Ponies	16
9) Motor Tractors	358	20) Bullocks Carts	481
10) Motor Cars.	2,14,819	21) Auto Rikshaw	32,205
11) Taxes	33,017		
		Total :	5,44,773

APPENDIX - X

Classification of properties according to Rateable Value as on 31-3-89.

Rateable Value	City No. of properties	Western Sub. No. of properties	Eastern Sub. No. of properties	Total
Below Rs. 200/-	7,892	20,837	12,813	41,542
Between Rs. 201/- to 300/-	2,594	7,240	4,817	14,651
Between Rs. 301/- to 400/-	2,678	6,161	3,988	12,827
Between Rs. 401/- to 500/-	2,378	4,825	2,974	10,177
Between Rs. 501/- to 750/-	3,833	8,270	6,052	18,155
Between Rs. 751/- to 1,000/-	2,655	5,583	3,824	12,062
Between Rs. 1,001/- to 1,500/-	4,117	8,003	5,018	17,138
Between Rs. 1,501/- to 2,000/-	3,110	4,655	3,273	11,038
Between Rs. 2,001/- to 5,000/-	9,687	11,307	8,042	29,036
Between Rs. 5,001/- to 10,000/-	7,022	6,175	3,944	17,141
Between Rs. 10,001/- to 20,000/-	5,196	7,031	3,246	15,473
Between Rs. 20,001/- to 30,000/-	1,822	3,632	1,499	6,953
Between Rs. 30,001/- to 40,000/-	955	2,126	860	3,941
Between Rs. 40,001/- to 50,000/-	681	1,505	549	2,735
Between Rs. 50,001/- to 1,00,000/-	1,575	3,147	1,020	5,742
Between Rs. 1,00,001/- to 1,50,000/-	651	907	339	1,897
Between Rs. 1,50,001 to 2,00,000/-	366	433	144	943
Between Rs. 2,00,001/- to 2,50,000/-	202	249	93	544
Between Rs. 2,50,001/- to 3,00,000/-	156	161	44	361
Between Rs. 3,00,001/- & Above	569	382	141	1,092
Total	58,139	1,02,629	62,680	2,23,448

EDUCATION DEPARTMENT

Administrative Report for the year 1988-89.

Under Section 61 (q) of the Bombay Municipal Corporation Act, it is incumbent on the Corporation to provide primary education to the children in 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 runs 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, Shri B. P. Naik, B.A. (Hons.), M.A., B.Ed. upto 14-01-1989, Smt. Hamida Dar, B. A. (Hons.) M.A., B.Ed. from 15-01-1989 upto 03-02-1989 and Shri D. U. Dandwate, M.Sc. (Chem.) First Class First, M.Ed. (First Class First) from 04-02-1989 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 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 1988	As on 31st March 1989.	
	No. of school premises	No. of school premises
Municipal owned	311	382
Rented Buildings	345	270
Rent Free	27	23
W. O. Estate	—	34
Total	683	709

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 School :

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 normal school children the Corporation conducts special education classes especially for the Mentally Retarded Children and two 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 given as below :

Medium	No. of Classes	No. of division	No. of teachers	No. of children	Average
Marathi					
Gujarathi					
Hindi	37	37	31	608	506
English					

Information regarding Junior College of Education :

In addition to the Primary schools the Department conducts two Junior Colleges of Education for Urdu teaching. One each for Males and Females at mahim and Imamwada respectively.

	No. of students	Ist year D.Ed.	IInd year D.Ed.	Teaching staff
Municipal Urdu Teachers Junior College of Education, Mahim.	79	41	38	1. One Principal. 2. Full time Instructors—4 3. Physical part time Instructors—1 4. Special Teachers for Drawing, Music, Craft and Marathi, etc.—4
Junior College of Education, Imamwada.	233	116	117	1. Principal—1 2. Full time Instructors—14 3. Part time Physical Instructors—2 4. Special Teachers for teaching special subject, viz., Sewing, Drawing, Music, Marathi etc.—3

Sr. No.	Name of the Section.	Activity	No. of participants/ beneficiaries
1.	Sr. Sup. Phy. Inst.	Physical Training Institute	900 teachers completed the training in 8 batches from June 1988 to March 1989.
		Drill Competitions	10,243 students
		Game Competitions	6,284 students
		Annual sports	99,243 students
		Sports for Mentally Retarded children	250 students
		Mass Drill	12,000 students
		R. S. P. Units	Total Units 70
			Pupils 3,360
			Instructors 70
2.	Scout/Guide Activities		
		Cub Masters	133
		Cubs	2,430
		Scout Masters	134
		Scouts	3,230
		Flock leaders	129
		Bulbuls	2,353
		Guide Captains	103
		Guides	2,459
		Monsoon Hike	Teachers/Officers 66
		Revision Course	Officers 33
		Judges Trg. Camp.	Trs., officers & incharges 130
		Social Service project	Including students 1,303
			Trs., officers
		S/G Sports & Rallies	Pupils 5,000
			Teachers 510
		26th President S/G Rally	8 scouts, 17 guides & 2 teachers
		Patrol, Leader Trg. Camp	Including pupils & Teachers 1,179
		Cub-Bulbul Excursion	Including pupils & Teachers 1,237
		Patrol Hike	Including pupils & Teachers 1,170
		Tree plantation	Teachers 150
		Craft Std. Judging camp	Pupils, Judges & Officers 154
		Explanatory Trg. Camp.	Teachers & Officers 238
3.	Balbhavan Centres (47 Balbhavans)	Organising different games, handicrafts, drawing, painting, Folk songs, dramatic, elevation, etc. & other Programmes at all centres after school hours.	Centres 35 Participants 1,100
4.	Audio Visual Section	Schools	656
		No. of film shows	2,424
		No. of students benefited	3,48,006
5.	Teachers Training	Teaching aid centre for Inservice teachers	Centre 1 Subject Teachers 700 Special Teachers 30
		Prepared different Teaching aids	6,000
		Printing section of Teaching aid centre printed 'Pragati' magazine and different invitation cards for all activities of the department for the programme, etc. and different types of forms.	5,00,000

LANGUAGE DEVELOPMENT PROJECT

ADMINISTRATION REPORT

During the period under report, the activities of the Language Development Project were carried out in the three major areas of teacher-training, materials production and research and evaluation according to the broad objectives set out at the very inception of the project.

DEPARTMENT OF ENGLISH

Teacher-Training

1. Correspondence-cum-contact Course for teachers in English

Five batches of primary and secondary teachers teaching English in Stds. V to VII in Municipal schools attended contact sessions of the Correspondence-cum-Contact Course in Grammar, Methodology and Spoken English. The contact sessions were full-day sessions including work in the language laboratory, viewing of films and video films, listening to the Audio Active Course in English and sessions in conversational English. The audio visual experiences were in addition to the regular lectures in Grammar, Methodology and Spoken English. 157 teachers appeared for the final test. The papers were in Grammar, Methodology, Spoken English.

(b) Two hundred and seventy-four teachers have registered their names for the Correspondence-cum-Contact Course in September 1988 which will be completed in August 1989.

(c) Teacher-training has also been decentralized with the help of fifteen officers who have been trained at H. M. Patel Institute at Vallabh Vidya Nagar, Anand. About one hundred teachers are trained weekly by the Beat Officers in their own beats. These 100 Teachers come to the project centre once a month for a full-day programme of Spoken English, Conversational English Viewing of films and Practice sessions in functional English.

(d) A two-week workshop in 'Creativity in Writing' was organised in January 1988 with the help of British Council. The resource Person was Mr. Jeremy Rowe from England. He gave demonstrations-lessons in Nana Chowk Secondary School. About twenty-five teachers participated in the workshop. They saw the lessons and participated in the discussions that followed. Monthly meetings of the participants were held at the project centre and demonstration lessons by the participants were also arranged. Mr. Jeremy Rowe, the resource person from England has been invited again in December-January for two weeks for the follow-up work in the same area with the same participants. This is being done with the help of British Council Division, Bombay.

(e) A five-day workshop on 'Use of Dramatic Techniques for the Development of Language' was organized at the Project Centre with the help of British Council. Mrs. Elaine Philips from the Boll School of Drama, Norwich, England was the Resource Person.

(f) At the request of the Board of Trustees of the Indian Education Society in Bombay, the Language Development Project trained 59 teachers working in the primary and pre-primary schools of the Indian Education Society in a five-day full-time workshop in the Language Laboratory.

(g) At the centres for the S. S. C. students, the L.D.P. staff visited four secondary school during the summer vacation and trained about 300 students in English grammar, reading comprehension, letter writing, etc.

(h) Support material for the use of officers, trained at Anand was prepared and distributed to them. This materials will help them to hold training classes for teachers in their own areas.

(i) A small booklet on 'Conversational English' has been prepared for use during the contact sessions.

(j) About 990 picture-dictionaries were given away to the secondary students who were trained in the Spoken English Course, last year.

Total No. of teachers and students trained in English

	Teachers	Students
(1) Correspondence-cum-Contact Course in English 1987-88.	157	—
(2) Spoken English Course in the Language Laboratory (Indian Education Society).	59	—
(3) Intensive Course in English for S. S. C. students during summer vacation.	—	300
(4) Part-time orientation to teachers : (i) Tarabai Modak Adhyapak Vidyalaya.	40	—
(ii) H. M. Patel trained staff.	17	—
(iii) Beat No. Marathi 35	20	—
(iv) Girton School.	8	—
(5) Monthly meetings of teachers partly trained by officers at different centres.	100	—
	<hr/> 401	<hr/> 300

DEPARTMENT OF MOTHER-TONGUE

MARATHI

Teacher-Training

(1) Marathi was taught to about 200 non-Marathi Municipal teachers at nine centres throughout Bombay. After the training, a test was administered to the teachers and certificates were distributed to the successful teachers by Shri Dyaneshwar Gawade, Chairman, Education Committee.

(2) A lecture was arranged on the subject of 'Voice Preservation and Voice Culture' at Birla Kreedha Kendra. The lecture was given by Shri Ashok Ranade, Asstt. Director, N. C. P. A. About 450 Marathi teachers and officers attended this lecture.

(3) After the preliminary lecture on 'Voice Culture', a four-day intensive workshop on the same subject was organised at the Project Centre. About twenty-five Marathi teachers participated in this workshop. Shri Ashok Ranade was the Resource Person for the intensive workshop.

(4) A four-day, full-time workshop on 'Development of Creativity' was arranged at Hindu Colony School. The resource persons were Smt. Leela Patil and her team of teachers. About thirty-five teachers participated in this workshop. Students of Std. III from the Hindu Colony School were taught by Smt. Leela Patil and demonstration of lessons in integrated skills were given.

(5) As part of the project on 'Language Development through creative Dramatics', the noted stage artist, Smt. Sulabha Deshpande and Smt. Meena Naik visited the following schools every week :—

(i) Manmala Tank Municipal Marathi School.

(ii) Kherwadi Municipal Marathi School.

About 60 students and twenty teachers are covered under this project.

(6) Eight centres for teaching of Marathi have been started this year and the Marathi course prepared by L.D.P. is being taught in these centres. The material and course-books are provided by the L.D.P. It is a great credit to the L.D.P. that the courses in Marathi for non-Marathi speakers is being used by the Bombay University at the request of Mrs. Sarojini Vaidya, Head of the Marathi Department of the Bombay University.

(7) Live demonstrations of poem-recitation by a popular poet-cum-singer Shri Visubhau Bapat were organized at 6 centres in Municipal schools. About 100 students and 75 teachers participated in this programme at each centre. The objectives of this programme was to create interest in poetry at the student level and to give a model in poem-recitation at the teachers' level.

(8) Monthly meetings for all the participants in the workshop for the 'Development of Writing' were held and all the participants were given writing material for their students. Experiments in the development of creativity in writing are being done by the participants in Marathi and students' writings are being exhibited in the classrooms.

(9) Meena Naik took a group of 30 students from Kherwadi School for a visit to the Gold Spot Company as an enrichment experience.

(10) Mrs. Dhawan attended and guided a workshop arranged by CASP and Teachers' Foundation.

Total number of teachers trained

		Students
a) Non-Marathi teachers	205	—
b) Ashok Ranade's workshop on 'Voice Culture'	25	—
c) Ashok Ranade's lecture.	400	—
d) Leela Patil's workshop.	35	—
e) Dramatic techniques.	40	—
f) Development of Writing.	25	—
g) Programmes of Shri Visubhau Bapat at 6 centres.	300	—
h) S.S.C. Classes during the summer vacation.	—	120

GUJARATHI

1) Guidance classes for S.S.C. students in Gujarathi language were conducted at Borivali, Kandivali and Goregaon (E) Secondary schools. About 100 students were given guidance in the areas of poetry, grammar and literature (included in the text).

(2) Based on the experience of the coaching-classes for S.S.C. students, extra coaching classes were organised during the summer vacation of 1988 for the S.S.C. students who would be appearing for S.S.C. in March 1989. The students were guided in the following areas of language :

(i) Reading comprehension

(ii) Precis writing

(iii) Grammar

(iv) Essay Writing

(v) Letter writing

The S.S.C. students were coached in English, Gujarathi, Marathi and Hindi in Secondary Schools at four centres. Out of the total number of students coached at the four centres, about 100 students were helped in Gujarathi. A regular monthly follow-up programme was planned during the year for the same students.

(3) The workshop in the use of puppetry were held for Gujarathi teachers. The first one was conducted for Handicraft teachers for the preparation of puppets and the second one was conducted for teachers of Std. I to II, for the use of puppets in language teaching. About 50 teachers participated in these 2 workshops.

(4) A 'Festival of words' was organised in October 1988 in two project schools as part of the project on communicative skills. About-fourty students participated in the demonstration of recitation of poems, presentation of skits, dialogues and soliloquies. The programme was presented before a group of 100 language teachers in a seminar at Vile Parle (E).

(5) Material for improvement of pronunciation in the form of prayers, Sanskrit-hymns, poems, etc. in selected and given to project schools.

(6) A seminar on 'Writing Skills' was organised under the guidance of the L. D. P. staff and an exhibition was organised on different types of writing. About 90 Gujarathi teachers participated in the seminar organised at Ghatkopar.

(7) Cyclostyled material for S. S. C. students : A cyclostyled booklet on 'Figures of Speech' and two original scripts of dramas were prepared and given to schools for use in the classrooms.

No. of Teachers trained.		Students trained.
I. Puppetry workshop		
Handicraft	25	—
Class teachers	25	—
II. Seminar on 'Festival of Words.'	100	40
III. Seminar on 'Writing Skills'	100	—
IV. S. S. C. students	—	300 ('88 batch) & 75 ('89).

Urdu

(1) A workshop for the preparation of assignments based on the language textbooks of Std. V to VII was conducted during the summer vacation and about 15 teachers participated in the preparation of material under the guidance of L. D. P. staff. This material is cyclostyled and distributed to Urdu schools.

(2) A collection of twelve poems based on the language textbook of Std. I was prepared and an audio-cassette was prepared containing these poems, for use in the classrooms. The audio-cassette and the booklet of poems were released by Shri Naushad Ali, the noted Music Director at Birla Kreedha Kendra, Chowpatty.

(3) Lectures on 'Children's Literature in Urdu' were given by Smt. Rafia Shabnam, Head of the Department of Urdu in Maharashtra College and Shri Riaz Ahmed Khan, Editor of 'Inquilaab' were delivered to about 600 teachers of Std. I and II teaching Urdu.

(4) Two-day workshop on the grammar units prepared by the language Development Project were organised at five different centres in different Municipal Schools and about 150 teachers teaching Std. V to Std. VII were trained in 'Modern Trends of teaching grammar.'

(5) Three-day workshop on 'Joining of Urdu letters' were organised at three different centres in Urdu schools. About 120 Urdu teachers were trained in the subject by the L. D. P. staff.

(6) Projects on 'Improvement of pronunciation and development of reading skills' are being taken up in two Urdu project schools.

(7) A literary programme was conducted on 'Humour in Urdu Literature' for the teachers teaching Std. V to VII Mr. Yusuf Nazim, Well-known Urdu writer was the guest lecturer.

Number of teachers trained	
I. Enrichment programme on children's literature	600
II. Workshop on Grammar Units.	150
III. Workshop on Joining of Urdu letters.	120

Hindi

1. Preparation of material for the S. S. C. students was done and the material was distributed to the S. S. C. students. About 60 students of Goregaon (East) Secondary School were helped during the summer vacation.

2. Two projects were taken up in Municipal Hindi School :—

- (a) Development of Creative Expression at Spoken level in Std. II
 (b) Improvement in Reading in Std. II. Several activities were planned and followed up in the slum schools of Kherwadi, Bandra. Reports of these projects were also prepared.

3. Workshops on 'Reading Skills' were conducted at the following centres for teachers of Hindi :

- a) Santacruz (East) Hindi School.
 b) Dadar Woollen Mill Lane Hindi School.
 c) I. B. Patel School, Goregaon (West).
 d) M. S. Barve Marg School, Kurla.
 e) Gilder Lane School, Bombay Central.
 f) J. V. School, Ghatkopar (West).

About 175 teachers were trained during the workshop. The teachers also prepared teaching-aids. Reading competitions were held at each centre and the best readers of prose and poetry were given prizes at each centre.

4. A booklet on 'Language games for students' and 'A collection of passages for reading comprehension' have been compiled. An audio cassette of samples of model reading has also been prepared. This was utilised during the workshops on reading skills.

No. of teachers trained	175	Students trained
i) Workshops on Reading.	—	—
ii) S. S. C. Centre	—	60
iii) Development of creativity	—	60
iv) Improvement of reading.	—	60

MATERIAL PRODUCTION ENGLISH

(Printed)	1. Dialogues for Secondary Schools	Dr. R. S. Saraf.
(Cyclostyled)	2. Support material for centres.	Smt. Swati Karnik.
(Cyclostyled)	3. A course in Conversational English.	Smt. Sheila Nazareth.

GUJARATHI

- (Cyclostyled) 1. A booklet on 'Figures of Speech'

MARATHI

- (Printed) 1. A booklet on 'Language Skills'
 (Cyclostyled) 2. Pre-reading material.

URDU

- (Cyclostyled) 1. A booklet of 12 poems based on the textbook of Std. I.
 2. A booklet of Joining Urdu letters.
 3. Booklets of grammar units for Std. V to VII.

AUDIO-CASSETTES

1. Marathi audio-cassette of poems and ethnic songs.
 2. Urdu audio-cassette of poems for Std. I.

VIDEO-CASSETTES

1. Transfer of 8 video cassettes for teacher-training from RELC, Singapore.
 2. Recording of a video cassette the project on creativity conducted by Smt. Leela Patil.
 3. Prepared a video tape for teacher training on dramatics for language use with the help of Mrs. Elyne Philips.

VISITS OF THE L. D. P. STAFF

1. Smt. Laxmi Dhawan was deputed to Hyderabad for the conference of Linguists. She read the research paper on the dialect 'Kunchi Kurve'.
2. Smt. Panna Adhvaryu, Superintendent, L. D. P. and Smt. Swati Karnik, Inspectress of Schools attended and 'Attachment Programme' at RELC, Singapore.
3. Mr. S. Madhav, Inspector of Schools attended E. L. T. Seminar CIEFL, Hyderabad.

VISITS TO THE L. D. P.

1. Mr. Jeremy Rowe, Deputy Head Teacher, St. Andrew's School, Headington, Oxford, visited L. D. P. in January 1988.
2. Mr. Khubchandani, from Indian Institute of Advanced Study, Simla, visited L. D. P. in January 1988.
3. Mrs. Elaine Philips from Bell School of Drama, Norwich, visited the L. D. P. in March 1988 and February 1989.
4. Mr. Clive Brasnett, First Cultural Secretary of British Council visited L. D. P. in March 1988.
5. Mr. Pravin Kamdar, D.M.C. (I), Mr. Dange, D.M.C. and Mr. Dyaneshwar Gawade, Chairman, Education Committee, visited L.D.P. in March-April 1988.
6. Mrs. Marry Zurbachen, Programme Officer of Ford Foundation, New Delhi, visited L. D. P. in November 1988.

MUSIC WING

Educational and other	Music Activities	Singing song of 'Vande Mataram in the several programmes organised at Corporation Hall and other places-employees of Music Academy participated same.	
Training classes of 25 days in Music About 700 subject teachers took benefit of Music, Dance, Drama training in 7 sessions	Music competition in vocal, shastriya, Natya, Instruments playing and Dance was organised. About 6089 students, 1036 schools and 112 teachers participated in it.	1. 5-04-88 2. 18-04-88 Chatrapati Shiv Jayanti 3. 01-05-88 Maharashtra Day 4. 15-05-88 Reception of S.S.C. students 5. 15-08-88 Independence Day 6. 10-12-88 Celebration of Ganesh Gaurav	9 Trs. 14 Trs. 13 Trs. 10 Trs. 14 Trs.
25 days Training class of Special Music Teachers—19 Teachers	Bhakti-Sangeet Programme on account of Aashadhi Ekadashi was organised. About 275 music teachers were participated.	7. 24-12-88 Reception of Russian artists 8. 26-01-89 Republic Day 9. 14-03-89 'Clean City, Green City' Function.	11 Trs. 5 Trs. 11 Trs. 5 Trs.
Arranged lecture-cum-demonstration in Music, Dance, Drama and Instrumental playing. About 128 music teachers took part in it.	Sangeet Saptaha and International Music Day was organised. About 250 teachers daily for 7 days have taken benefit of the same programme.	10. 15-03-89 Reception of Marathi artists 11. 25-03-89 Function of Krida Kendra at Bhandup 12. 31-3-89 Programme at Mayor's Residence	6 Trs. 14 Trs. 13 Trs.
Seminar and gathering-Bal Gandharva Natya-Yug and Natya-sangeet programme About 280 teachers took part.	Programme of students of Gun-vikas Kendra.		
Given training to Music teachers-198 at 5 music centres conducted every month-end.	24 students of Gun-vikas Kendra have passed Govt. Music Exam.		
Five Gunvikas Kendra and Nritya Kendra were conducted at different places About 148 students have taken benefit of the same.			
Monthly meetings of Kendra-Premukh and Upakendra-Premukh—5 centres Total Presenty—14 nos.			

ART WING

Educational and other activities :

1. Training classes in Art—About 700 subject teachers took benefit of the same. 25 days training classes in 7 sessions.
2. 25 days special training class of Art Teachers—30 nos.
3. 4 lecture-cum-demonstrations on about 300 Art Teachers participated.
4. Seminar & Gathering of Art Teachers—Cultural programmes and Seminar on pictorial composition. About 300 art teachers participated.
5. Six Gun-vikas Kendra of drawing were conducted at different places. About 150 students have taken benefit of the same.
6. Given training to 325 Art Teachers at 5 Art Centres conducted at different places, on every month-end.
7. Monthly meetings of 10 Kendra-Pramukh, 6 Gun-vikas Kendra-Pramukh and 27 Senior Teachers who have given Dy. Allowance.

Art Activities :

1. Child Art Competition in drawing—Ward level of 23 Wards. Participant students—18,000 nos. Guide teachers—325 nos. Central level—460 students.
2. International child Art Competition—Participant students—500 nos.
3. Competition and Exhibition on 'Bal Gandharva Jeevan Darshan'—Participants—30 nos. Display at Birla Kreedha Kendra—7 days and National Library—4 days. About 3000 to 5000 visitors have taken benefit of the same.
4. Rangoli Competition/Exhibition—1 week—Participant teachers—28. Municipal staff—30. About 5000 visitors have taken benefit of the same.
5. Prepared design of certificate of 'Ganesh Gaurav Puraskar'.
6. Prepared cover page of book 'Sanskrit Subhashite'.
7. Prepared cinema slides of L.D.P.—Coloured designs 40 nos.
8. Stage decoration of the functions of Balkotsav and Music Programmes.

RESEARCH AND STATISTICAL UNIT

A) Research Projects undertaken :

1. Study of remarks given by supervising officers at the time of their visit to schools. A study report with conclusions and suggestions is prepared.
2. A study of the working of school libraries is being undertaken. The data is collected and the work of tabulation and analysis of data is completed.

B) Material production :

Prepared a hand book for teachers for guidance to conduct the summer classes (pre-primary classes) in May Vacation.

C) Study of Drop-outs :

1. A report regarding the drop-outs rate in Std. I to VII for the years 1984-85, 85-86, 86-87 and 87-88 has been prepared after collecting the data from schools.
2. A report of the drop-outs rate of school social service centres for the years 1985-86, 1986-87 and 1987-88 are prepared after collecting the data from school service centres.
3. The drop-outs rate for the first Semester (from June 1988 to October 1988) is calculated after collecting the relevant data from schools.

D) Recruitment test for teacher candidates :

A recruitment test for 750 teacher candidates from various medias was administered and the results were prepared after assessment of answer-sheets.

E) Evaluation of the progress of Municipal Primary School children :

A tool in form of questionnaires to evaluate the overall progress of the children studying in Municipal Primary School was prepared.

A work of tabulation and analysis of the data collected from the questionnaires is being done.

F) Work regarding Language Development Project :

1. Helped in the teacher training programme conducted by L.D.P.
2. A follow-up study of the work done by the L.D.P. trained Non.-Marathi teachers in Teaching Marathi in Non-Marathi schools is done and a report is prepared.

G.) Data for the survey regarding the Mali-cum-caretakers residing in various Municipal owned schools is collected by the tool of questionnaires.

H) Parisar Asha :

Supervised the work of the project 'Parisar Asha' and prepared a report with suggestions.

I) Children Learning Interest (Reading) :

Supervised the work of project 'Childrens Learning Interest' and prepared a report with suggestions.

J) Review of books and films is done.

K) Participated in In-Service Teacher Training Programme.

L) Statistical Work :

Collected various types of statistical information from schools, prepared consolidated reports and submitted them to various concerned authorities.

M) Guided Beat Officers, Head Teachers and Teachers for research work.

SCHOOLS HEALTH SERVICE

During the year 2,90,677 children were examined in 1,198 Primary Municipal Schools. 22,068 children were examined in 38 Secondary Municipal Schools. 2,70,763 children were found defectives. Total defects noted among the children were 5,44,503. 9,831 cases were treated at the Municipal General Dispensaries. 1,10,169 (new & old) cases were treated at the school clinics.

30, 250 children were referred to the out patient departments of Municipal General Hospital for experts opinion. 301 Toncils operations were performed at the schools clinics. 832 children were supplied with spectacles, 25 children were supplied with special aid, such as caliper & hearing aid, etc. 754 cases of lepracy and 589 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	55.75%	Lungs & Tuberculosis	1.12%
Throat	10.01%	Spleen	0.005%
Nose	12.41%	Skin	4.72%
Eye (external diseases)	1.57%	Detormity of Bones	4.09%
Eye (vision)	2.26%	General debility	23.60%
Ear (Diseases)	5.02%	Other diseases	6.20%
Lymphathetic	30.07%	Vitamin Deficiency	10.11%
Heart & Circulation	0.39%		

Health education was imparted to about 18,807 parents and Teachers 13,264 domiciliary visits and Re-visits were paid. Health parade, Health Ministry and Health Trophy competition were arranged in schools in A, F/S, G/N, H/E, K/W, M/E, M/W, N wards with a view to inculcate Health habits among the children.

Immunisation work done as under :—

Diphtheria and Tetanus	1st dose	1,12,305
T. T.	—	76,609

The medical examination in Municipal schools were also carried out by :—

(1) Child welfare at J. J. Group of Hospitals	3 schools
(2) Department of Preventive Social Medicine T. N. M. College.	5 schools
(3) L. T. M. G. College	11 school
(4) K. E. M. Hospital.	14 schools
(5) Mobile Health Unit, Parel.	82 schools

KEY SCHOOL PROJECT

There is a key school centre almost in all the divisions and senior officers are in-charge of centre. According to the test and aptitude of the pupils, different courses prescribed for the pupils and training is being given by the expert teacher usually language, music, instrumental music, drawing, mathematics, etc.

ENDOWMENT FUND

In order to provide financial assistance to Municipal Schools children for encouraging to develop their talent in various fields like Art, Music, Drama Dance, Sports, etc., the regular endowment fund known as 'Municipal Primary Schools Talented Children Development Fund' is raised. This will enable the deserving children to express their talent and their interest as well which will almost help them to develop their personality. This year 21 talented children in various fields like Art, Music, Drama, Dance, Sports are selected for the talent scholarship.

SCHOOL SOCIAL SERVICE PROJECT

In the Education Department of Bombay Municipal Corporation School Social Workers are working through the school social project centres in 17 school building.

110 schools and about 80,000 pupils are beneficiaries of these centres. These centres are working to achieve the following objectives :

1. To minimise the rate of drop-out in the school. Out of 2236 dropped pupils 1096 have been brought back to the school.

2. To conduct the non-formal classes for the children within the age group of 9 to 14 years.

3. To create the liking about Education in pupils and parents.

4. To arrange guidance programme for pupils-parents and people of society regarding the good habits, health, education and nutritious food.

5. To make women parents independent.

6. Scheme of nutritious food.

7. To obtain donations from various trusts, institutions for the project.

8. Scheme of adoption of pupils and parents.

9. Help to solve the problems of pupils, parents and society.

a) This year about 350 pupils have taken benefit of non-formal classes. Out of these 195 pupils have appeared for the Annual examination and 75% pupils have passed.

b) This year for the School Social Service Project two workshops have been arranged on following subjects :—

(i) Participation of society in the Education

(ii) Non-formal Education.

c) The pupils have been provided uniforms, nutritious food and note-books, etc., from the donation of Rs. 2,50,000/- collected from various trusts by the social workers.

It is seen that the rate of drop-out has been decreased in the schools where these centres are working.

Now-a-days a Head Schools Social Worker and six Social Workers have been deputed towards the Slum Community Improvement Scheme.

TEACHERS' LIBRARY

1. Education Department of Municipal Corporation of Greater Bombay has 4 libraries running for the benefit of teachers and employees under Budget 'E'.

2. Collection of Books :

Name of Library	1987-88	1988-89	Total
Gilder Tank	65,744	1,368	67,112
Santacruz	18,901	574	19,475
Ghatkopar	11,551	304	11,855
Hindu Colony	4,222	245	4,467
	1,00,418	2,491	1,02,909

3. Membership :

Name of the Library	1987-88	1988-89	Total
Gilder Tank	7,984	102	8,096
Santacruz	2,679	84	2,763
Ghatkopar	1,460	48	1,508
Hindu Colony	78	30	108
	12,201	264	12,475

4. Newspapers :

During the year newspapers and magazines are purchased for libraries.

5. Circulation :

A) Gilder Tank : During the year 1988-89, 40798 books were issued and received from this library, i. e. 138.77% books issued and received during the working days. Out of this nearly 30% educational books have been issued. The cost of the books increased leaps and bound and it is beyond the power of individual teacher to buy the same.

The librarian felt the need of educational books. In view of that 4 or more than 4 sets of educational books were purchased for the benefit of our teachers.

B) Santacruz : During the year 1988-89, 22,322 books have been issued and received, so the average per day comes to 75.93%.

C) Ghatkopar : During the year 1988-89, 10,066 books have been circulated from the library, so the average per day comes to 34.23%.

D) Hindu Colony : During 1988-89, 2,259 books have been circulated so the average per day comes to 13.02%.

MUNICIPAL FREE READING ROOMS & LIBRARIES

The Corporation has provided at its discretion Reading Rooms and Libraries to cater to the needs of large population of Mumbai. In 1943, the separate unit was temporarily attached to the Museum. In 1954, a Chief Librarian was appointed to co-ordinate the working of these Libraries. There were 31 Municipal Free Reading Rooms and Libraries in Mumbai. 3 more libraries opened during 1987-88, that brings the total strength of the Municipal Free Reading Rooms and libraries to 34. Out of which 29 have been handed over to Mumbai Marathi Granth Sangrahalaya for management. During the year 1987-88, the post of Chief Librarian was abolished and the entire department was brought under the control of Education Officer with effect from 1st March, 1987.

BALKOTSAV

As usual during Balkotsav, Cultural programmes, Dramatic competitions and Folk dances, etc. were arranged. 19,750 students and 1,930 teachers participated in this programme which were enjoyed by 43,500 parents. The performance was very much appreciated.

IN-SERVICE TRAINING PROGRAMME

The Inservice Training Centre has organised different courses in sequential batches for the teachers, of the Municipal Primary Schools with a view to develop their professional efficiency and to acquaint them with modern trends and techniques in education. The courses embodied various subjects, i.e. Art, Music, Physical Education, preparation and use of Teaching Aids, Puppetry, Science and Mathematics.

SCHOOL FEEDING PROGRAMME

Under the School Feeding Programme of the Education Department of Brihan Mumbai Mahanagarpalika during the year 1988-89 snacks in the form of special sweet sliced breads and usal in the form of sprouted seed grain (i. e. chana, vatana, chavali, matki, etc.) were supplied to Municipal Schools children.

Special Sweet sliced breads prepared by Modern Food Industries (India) Ltd. were supplied, to 3,10,000 children from Std. I to III in 1209 Municipal Schools.

The P. S. M. Department of Nair, Sion and K. E. M. Hospital have prepared and supplied snacks in the form of usal, khichadi, Daldhokala to about 11,000 children from 20 Municipal Schools. Besides eight registered women organisations have also prepared and supplied snacks in the form of usal of sprouted seed grains, Rajgira Ladoo and Sheera, Upma, etc. to about 20,000 children from 96 Municipal Schools. The schools situated beyond city limit, i.e. Tansa, Vaitarna, Dhamangaon, Manori and Gorai, the children of these schools are supplied snack by preparing the food articles in schools premises to about 1200 children from 5 municipal schools were catered under this programme.

FREE DISTRIBUTION OF TEXT BOOKS

The Municipal Corporation has spent Rs. 48,74,931/- towards distribution of free text books to the students of Municipal Primary Schools studying in Std. I to VII.

SUMMER CLASSES

The classes are conducted in May vacation to prepare the children to admit in Std. I. This year 105 summer classes were conducted in May 1988 & 4,517 children were benefitted.

TEACHERS SEMINARS

The performance report of teachers and Head Teachers' Seminars held on 1988-89 :

The Seminars for the Teachers and Head Teachers held annually for all the languages schools on topics of Educational importance. The Teachers Seminars are held beat-wise by the Beat Inspectors and the Head Teachers. Seminars are held by the Superintendants Division-wise.

Superintendants of private primary schools also held the Seminars for the Teachers and Head Teachers of those schools.

Objective of the Seminars :

1. To improve the professional competency of the teachers.
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 education by inviting them as resource persons to the teachers Seminars.

Serial No.	Language	Total Seminars	Total Teacher participants	Total Resource Persons
1.	Marathi	26	6050	40
2.	Urdu	4	1600	20
3.	Hindi	5	1500	16
4.	Gujarathi	4	950	13
5.	South Indian, English & Sindhi	5	700	13

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, it has undertaken these activities purely with a view to meet the need of children from low income group and also to supplement the efforts of private schools.

Number of Secondary Schools	51
Number of Divisions	1,832
Number of students	78,186
Number of teacher staff	2,605

Different activities :

To improve the S. S. C. result additional study classes were conducted for 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 School is as follows :

Year	Total No. of students		Percentage of passing	No. of students who secured more than 70% marks.
	Appeared	Passed		
1988	9,245	3,886	42.03%	233
1989	8,889	2,901	32.63%	221

Candidates who secured first rank subjectwise is awarded merit certificate by S. S. C. Board, Bombay—

1. Miss Bhavani Pandiyan (L. K. Waghji S. S.)—Tamil
2. Miss Rapul Lalitha Sudarshan (G. K. Marg S. S.)—Telugu.

Students who came first and second in Municipal Secondary Schools are :

1. Miss Vijaya Manohar Narvekar (Prabhadevi S. S.) 622/700
2. Miss Jyoti Chintaman Kini (Kher Nagar S. S.) 612/700

ORGANISATIONAL CHART

Education Officer

Dy. Education Officer (Zone-I, II & III)			Dy. Education Officer (Central)		
Superintendent (Schools)	Research Officer	S. S. P. I.	A. O. (I. T.) Principal, Music & Art Academy		
Administrative Officer (School)	Administrative Officer (Officer & other staff)		Assistant Research Officer		
Beat Inspectors	Supervisor Physical Instructor	Inspector -Training			

Statement showing the number of Municipal Schools, Pupils and Teachers as on 31st March 1989.

Medium	Language	City				Suburbs				Ext. Suburbs			
		Schools	Classes	Pupils	Trs.	Schools	Classes	Pupils	Trs.	Schools	Classes	Pupils	Trs.
1.	Marathi	240	...	117248	3344	204	1	153662	3804	128	1	92266	2285
2.	Gujarathi	56	1	11880	341	54	2	14326	399	45	4	17787	508
3.	Hindi	55	2	26945	633	79	2	51923	1094	45	2	37194	771
4.	English	20	—	5743	147	12	—	4143	111	6	—	3425	69
5.	Urdu	99	3	39707	1025	88	2	63199	1380	25	1	13285	318
6.	Kannada	11	3	3301	100	22	3	5286	189	11	1	2780	105
7.	Tamil	13	2	6388	151	14	1	5234	124	12	1	4981	117
8.	Telugu	18	2	6930	193	10	5	2793	65	8	3	2290	57
9.	Sindhi	...	...	...	...	1	...	20	6	1	...	35	4
Total		512	13	218142	6034	484	16	300586	7172	281	13	173043	4234

A statement showing the number of private primary schools and pupils as on 31st March 1989.

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	14218	35	13454	26	10405	52	23560	7	3690	27	10178
2.	Gujarati	29	5559	22	5277	20	12332	20	13185	16	9987	26	16926
3.	Hindi	3	1170	10	5647	4	2040	12	4544	3	1707	9	3706
4.	English	143	81960	31	12312	160	66472	34	15096	76	30145	8	4523
5.	Urdu	4	1046	10	4774	6	1076	5	699	...	...	...	...
6.	Kannada	1	47	5	338	...	...	...	...	...	...	1	143
7.	Tamil	1	205	1	583	...	...	...	...	1	208	...	...
8.	Malayalam	1	403	...	...	...	...	...	...	1	145	...	...
Total :		208	84608	114	42385	216	92325	123	57084	104	45882	71	35476

LIST OF MAYOR AWARD WINNING TEACHERS OF 1988-89

Sr. No.	Name of the Teachers	Designation	Name of the school
1.	Shri Gulabrao Ganpat Pol	Head Teacher	Byculla (W) Marathi School
2.	Shri Maruti Tukaram Shinde	—,—	New Mahim Marathi School
3.	Smt. Leela Keru Ladi	—,—	Bhandup Salt Marathi School
4.	Smt. Vidyaxmi G. Joshi	—,—	Supari Tank Marathi School
5.	Shri Zinguri A. Singh	—,—	I. B. Patel Hindi School
6.	Smt. Ranjanbala J. Joshi	—,—	Dr. S. Radhakrishnan Gujarathi School
7.	Smt. Agnes A. Consesaw	—,—	Pant Nagar Kannad School
8.	Smt. Hatima Abdul Gafurkhan Sarguran	—,—	Mahim Mori Road Urdu School.
9.	Smt. Shashikala A. Khare	—,—	Globe Mill Passage Secondary School
10.	Shri Shyamrao S. Patil	—,—	Chembur Education Society's Primary School
11.	Smt. Sushila N. Khare	—,—	Naigaon Bal Mandir & Primary School
12.	Smt. Nirmala B. Rawal	—,—	Ramji Asar Vidyalaya, Ghatkopar
13.	Smt. Snehalata S. Rajadhyaksha	—,—	Hindu Colony Marathi School
14.	Shri Ramvilas D. Singh	—,—	Kasturba Cross Road No. 2 Hindi School
15.	Shri J. Peter Danial	—,—	Dharavi Cross Road Tamil School
16.	Smt. Ayashabi M. Hussain	—,—	Quresh Nagar Urdu School No. 1.
17.	Smt. Mushtaribegam M. Shaikh	—,—	Mitha Nagar Urdu School
18.	Smt. Vanita V. Naik	—,—	N. M. Joshi Road Municipal Secondary School.
19.	Smt. Veena R. Bajel	—,—	Shri R. G. Bajarria English School
20.	Smt. Kalpana Kamalkar Kamat	—,—	Shri Krishna Vidyalaya, Borivali
21.	Smt. Rehmani Mohmood	—,—	Anjuman E. Islam Girls' Primary School
22.	Shri Parshuram S. Redkar	Dy. Hd. Tr.	Bajaj Lane Mentally Retarded Boys' School
23.	Smt. Halimabi M. Khan	—,—	Mominpura Urdu School
24.	Smt. Suhasini S. Parte	Trained Teacher	Chembur Upper Primary Marathi School No. 2
25.	Smt. Pushpa N. Bapat	—,—	Chandramani Buddha Vihar Marg Marathi School
26.	Shri Tomas B. Lopis	—,—	Bhavani Shankar Road Vacational Marathi School
27.	Smt. Mangala M. Shirodkar	—,—	Goregaon (E) Marathi School No. 2
28.	Shri Dharma G. Patil	—,—	Tagore Nagar Marathi School No. 1
29.	Smt. Mangala A. Gaitonde	—,—	kalina Upper Primary Marathi School No. 1
30.	Smt. Jaylaxmi H. Thakar	—,—	Kherwadi Gujarathi School
31.	Shri Arun Mahadeo Ashtekar	Carpentary Teacher	Goshla Marg M. School No. 1
32.	Smt. prabhavati S. Godbole	Handcraft Teacher	South Girgaon Marathi School

PUBLIC HEALTH

HIGH LIGHTS.

Expenditure :

	...	Rs.
(1) Maternity and Child Welfare Centres.	...	4,08,52,878
(2) Pre-School and School Health Services.	...	66,36,000
(3) Prevention and Control of Infectious Disease, etc.	...	2,08,20,202

INCOME

Issue of licences, certificates of Births, Deaths, etc.	...	51,44,632
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Control of Food Adulteration.

Samples under P. F. A. Act	...	1,408
Adulterated.	...	20
Prosecutions.	...	12
Fines realised	...	Nil

	Food Establishments.	Eating Houses.	Bakeries.
Grade I	707		2
Grade II	862		5
Grade III	4359		510
Total	5928		517

HYGIENE

Maternity and Child Welfare Services :

	Maternity Homes.	Maternity Wards.	Maternity & Child Welfare Centres.
	25	11	39
Deliveries conducted.	35,729	39,147	—
Cases treated at Clinics.	—	—	6,88,369

Family Welfare Centres.

I. U. C. D. insertions.	11,235
Vasectomy Operations.	4,464
Tubectomy Operations.	17,434
Condoms distributed free.	14,62,731

Dispensaries.
150

Mobile Dispensaries.
7 (Munl.)

Municipal Laboratory.

	Water samples.	Samples found unfit for potable purposes.
Total samples received.	46,361	27,170
	27,170	3,323

Municipal Hospitals.

	Indoor	Outdoor
1) Eye Hospital, Kamathipura.		
i) New Cases.	1,609	24,854
ii) Old Cases.	14,132	43,662
2) 13 Municipal General Hospitals under Executive Health Officer.		
i) New cases.	1,53,923	13,51,871
ii) Total attendance.	7,75,276	45,57,785
3) Kasturba Hospital for Infectious Diseases.		
Total beds.	680	
Admissions.	20,649	

New Activities.

- (1) Composite Cemetery at Malvani, Malad (W) is under construction, Muslim Cemetery out of this Composite Cemetery has been started from 15-1-1988.
- (2) Municipal Hindu Cemetery at Madh Malad has been started from 22-2-1988.
- (3) Additional Coroner's court at Rajawadi Hospital, Ghatkopar has been started from 4-2-1988.

STATISTICS FOR THE YEAR 1988

Sr. No.	City	Suburbs	Ext. Sub.	Greater 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 1988.	71984	86589	59727	218300
5. Birth rate per 1000 population census 1981	21.9	28.1	31.7	26.6
Mid year estimated 1988.	17.2	22.8	25.6	21.4
6. Death registered in 1988.	32303	26555	15351	74209
7. Death rate per 1000 population census of 1981.	9.9	8.7	8.1	9.0
Mid year estimated 1988.	7.9	6.7	6.6	7.2
8. Total Deaths among infants (under 1 year).	3996	4866	2731	11593
9. Infant death rate per 100 live births.	55.5	56.1	45.8	53.1
10. Maternal Deaths.	43	40	15	98
11. Maternal Death rate per 1000 live births.	0.6	0.4	0.2	0.4
12. Still births 1988.	1900	1890	1713	5503
13. Plague, Cholera, Small Pox deaths.	—	—	—	—
14. Tuberculosis death.	3802	2460	912	7174
Death Rate.	0.9	0.6	0.3	0.7
15. Acute Anterior Deaths Poliomyelitis.	29	27	11	67
Death Rate.	0.0	0.0	0.0	0.0
16. Diptheria Death.	16	4	5	25
Death rate.	0.0	0.0	0.0	0.0
17. Typhoid Deaths.	20	14	3	37
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.

DESTRUCTION OF UNWHOLESOME FOOD :

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

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.
2,10,316	1,01,817	35,763	1,48,873

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 relevant 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 21 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 7,06,604 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. 1,35,292 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 20,067 T. B. cases were notified and deaths numbered 7174. Services of Health Visitors have been integrated with the services of Treatment Organisers working under Dy. Executive Health Officer (N.P./C.T.O.) Head Office, New Bldg., Public Health Department, 2nd floor, Mumbai-400 001.

B. C. G. Vaccination : In view of the new policy for B. 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.

Sexually 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.

45,886 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, 185 health drives were carried out when 43,309 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 breeding was detected on 377 occasions and stegomyia index for the year was 0.011%.

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 185 cemeteries in use in Greater Bombay, out of which 31 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.

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 Office Building, Off Woolen Mill Lane, Dadar, Bombay 28. (Table No. 14).

The water sampling programme continued as usual and the sampling was done both in the morning and evening so as to collect samples from all the wards of the City.

The Municipal Analyst attended different courts in the City and Suburbs and in Pune as Public Analyst in 5 cases.

Apart from the examination of samples of water, food-stuffs collected by Sanitary Inspectors and Food Inspectors, samples collected by the Food and Drug Administration and the B. P. T. authorities and samples of stores from Controller of Stores and samples from different departments of the Corporation were examined.

Mahalaxmi Dhobighat.

Dhobighat at Mahalaxmi is under the control of Public Health Department. In all 709 wash stones are provided to Dhobies for washing linen. Facilities such as water supply, electricity, land for drying clothes and sanitary accommodation 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 but 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.

During the year 1988, in all 4244 cattle were impounded and 983 prosecutions were launched Rs. 16,18,730.50 were recovered by way of pound fees, transport charges and feeding charges while Rs. 1,92,439/- realised by way of fines by the Court.

Maternity and Child Welfare Services

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 1579. The number of deliveries conducted was 74876. 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 propaganda amongst mothers. Institutional care included antenatal, post-natal, infant and pre-school age child care, follow up work and health education by propaganda through posters, leaflets, group-talk, demonstrations and filmshows, etc.

Milk was given free to the poor and needy expectant and nursing mothers, 3 months before and 3 months after delivery at the Maternity Homes. Poor mothers who delivered at their homes were also given help in the shape of milk.

Paediatric centres were conducted at 8 Maternity Homes with a view (i) to providing a service to the community in which efficient, effective and comprehensive paediatric care can be given outside the hospital, by promoting good growth and development, providing immunization facilities, teaching family and community health as also nutrition, (ii) to reducing the load of the hospital out-patients departments by referring cases for different medical care and (iii) to providing a teaching field and education experience in a urban centre to doctors, nurses and allied workers.

Family Welfare Planning.

With a view to promote the small family norms, the instruction and guidance in spacing of births is given to married men and women and operation of male and female sterilization and loop insertions distribution of condoms and oral pills are done free of charge. Medical Termination of Pregnancy services are also available free of charge in all Municipal Maternity Homes, and General Hospitals.

These activities are conducted under the supervision of the special officer i/c Family Welfare, F/South Ward Offices, Dr. Ambedkar Road, Parel, Bombay- 400 012.

Health Posts

With a view to render basic integrated health and family Slum like welfare services to the urban poor at a place within walking distance from the slums and other residential areas where they live Bombay Municipal Corporation has located 56 Health posts in existing Family Welfare Centres.

About 28,00,000 population is to be covered through these posts. The health workers attached to these posts render preventive and curative service to this population, such as Family Welfare, Mother and child health care, immunization, health education, advice of nutrition, prevention of anaemia in mother & children, prevention of blindness. As regards promotive services Private Voluntary Organisations are also involved in rendering these services so as to achieve 100% target. H. Vs. also help in registration of unregistered births. The entire scheme is fully financed by the Govt. 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	:—	20,649
Expenditure	:—	2,66,84,651

Pharmacy Department

The Pharmacy Department at this hospital is under expansion 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

604 persons were immunized against Diphtheria, 2328 against Enteric Fever, 2328 against Cholera, 113 against meningococcal meningitis and 8 against Hepatitis B.

Ward Laboratories

As required by the Bombay University, the ward laboratories have been started for 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 651 as against 394 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 230 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 done thereat are detailed in Table No. 13.

Dispensaries

New cases treated at the 150 dispensaries and 7 Mobile Dispensaries were 1598,458 and the total attendance was 46,88,696.

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

2,45,416 new cases were treated at the 39 Maternity and Child Welfare Clinics and total attendance was 6,88,369 during the year 1988.

Municipal Eye Hospital, Kamathipura

The total number of new cases and the total attendance at the out-patient department of this hospital was 24,854, and 68,576 as against 23,845 and 68,591 respectively during the previous year. The number of indoor patients amongst new cases and total attendance was 1609 and 14,132 respectively, as against 1622 and 15,546 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 case on payment within the limits of Greater Bombay.

Ambulance service at Sane 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 P 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.

Expanded Programme on Immunization

Multi-purpose Worker's Scheme is prevalent in Greater Bombay and includes Expanded Programmed of Immunization. Under the scheme every child in Greater Bombay is contacted and immunized for Diphtheria, Tetanus Whooping Cough, Tuberculosis within 1 to 1-1/2 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 85% of eligible children (0-1 yrs.) and 100% pregnant women by the year 1990.

Anti-Rabic Treatment

Anti-Rabic Treatment is given at 14 Municipal Hospitals, 1 private hospital, 1 Government Hospital and 16 Municipal Dispensaries, (list shown in the Annual Civic Health Bulletin) pet dogs are also immunized against rabies at ten 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 During the year 1988 in all 45,819 dogs were caught and 43,196 dogs were destroyed.

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 on understanding 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 1988.
1.	Plague.	—	—
2.	Cholera.	—	—
3.	Small Pox.	—	—
4.	Dephtheria.	—	—
5.	Enteric Fever.	67	25
6.	Infectious Hepatitis.	137	37
7.	Tuberculosis.	1062	187
8.	Meningococcal Infection.	20067	7174
9.	Typhus.	113	26
10.	Puerperal Fever.	—	—
11.	Anterior Poliomyelitis.	—	—
12.	Influenza.	418	67
13.	Virus Encephalitis.	—	—
14.	Scarlet Fever.	—	—
15.	Yellow Fever.	—	—
16.	Relapsing Fever.	—	—
17.	Haemorrhatic Fever.	—	—
18.	Leprosy.	—	—
19.	Dangue Fever.	2493	30

Table 1 (Cont.)

	Immunization.	Total during 1987.
Diphth. Tetanus.	1st dose.	95,197
	2nd dose.	30,982
	Booster dose	3,189
Triple.	1st dose	1,68,878
	2nd dose	1,28,019
	3rd dose	1,10,461
	Booster dose	36,352
Polio	1st dose	1,81,584
	2nd dose	1,34,308
	3rd dose	1,18,587
	Booster dose	97,687
T. A. B.	—	96,340
Cholera.	—	1,35,292.
Small Pox	Primary	—
	Re-vaccination.	—
Tetanus Toxide.	1st dose	3,91,992
	2nd dose	1,02,198
	3rd dose	32,936
	Booster dose	10,427
B. C. G. Vaccination		1,16,670
Measles		30,700

TABLE NO. 2.

Deaths and Death Rates from Epidemic and Principal Cases 1988.

Cause of death.	Average of Year 1982-86		1987		1988	
	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate
Smallpox.	—	—	—	—	—	—
Measles.	208	0.0	17	0.0	97	0.0
Plague.	—	—	—	—	—	—
Enteric Fever.	31	0.0	25	0.0	37	0.0
Influenza.	—	—	—	—	—	—
Cholera.	—	—	—	—	—	—
Malarial Fever.	—	—	—	—	—	—
Diphtheria.	15	0.0	23	0.0	25	0.0
OTHER PRINCIPAL CAUSES.						
Tuberculosis.	7802	0.8	7008	0.7	7174	0.7
Meningococcal Infarction.	14	0.0	45	0.0	26	0.0
Diseases of Nervous system.	1073	0.1	805	0.0	969	0.0
Diseases of Respiratory system,	11404	1.2	12827	1.2	10604	1.0
Dysentery, Diarrhoea & Enteritis.	3269	0.3	2463	0.2	2465	0.2
Purperinal State.	106	0.0	111	0.5	98	0.4
Congenital Dibility & Early Infancy.	4475	0.4	3522	0.3	3860	0.3
Senility without mention of psychosis.	2872	0.3	2024	0.2	2097	0.2
Violence.	5648	0.6	6628	0.6	7253	0.7
Other causes.	27750	3.0	37261	3.7	39504	3.8
Total :—	65167	7.0	72759	7.3	74209	7.2

TABLE NO. 3.
Deaths among Infants from Principal causes by age period 1988.

Age Period	Small-pox	Measles	Malarial fever	Diarrhoea & Dysentery Enteritis	Congenital malformation & disease at early infancy	Diseases of respiratory system	Poliomyelitis	Other causes	All cases	Percentage to the total of infant death
Upto 7 days.	—	2	—	30	3343	447	—	1373	5195	44.81
1 to 4 weeks.	—	—	—	70	275	309	—	695	1349	11.63
Total under 4 weeks.	—	2	—	100	3618	756	—	2068	6544	56.44
4 weeks to 6 months.	—	2	—	484	116	1153	—	1464	3219	27.77
6 months to 12 months.	—	19	—	384	17	604	11	795	1830	15.79
Total under 4 weeks to 12 months	—	21	—	868	133	1757	11	2259	5049	43.56
Grand Total	—	23	—	968	3761	2513	11	4327	11593	100.00

TABLE NO. 4.
Infant Mortality from Principal Causes (1981 — 1988)

Cause of Death	1983	1984	1985	1986	1987	1983 to 1987 (A)	1988 (B)	Difference between (A) & (B)
Poliomyelitis.	17	24	62	60	69	45	11	-35
Small pox.	—	—	—	—	—	—	—	—
Measles.	17	103	89	10	3	44	97	+53
Malarial Fever.	—	—	—	—	—	—	—	—
Diarrhoea & Dysentery and Enteritis.	1449	1531	1735	1421	1181	1463	968	-530
Congenital malformation disease of early infancy.	5832	4588	4001	4453	4533	4681	3751	-930
Disease of respiratory System.	3148	2777	2536	2959	3089	2901	2512	-389
All Causes.	13558	13061	13282	12493	12468	12972	11593	-1379

TABLE NO. 5
Cases of Notifiable Diseases reported in 1988.

Wards	Cholera	Small-pox	Plague	Enteric Fever	Diphtheria	Typhus	Puerperal Fever	Tuberculosis	Relapsing Fever	Influenza	Spinal Fever	Acute Interior Polio Myelitis	Scarlet Fever	Infective Hepatitis	Leprosy	Total
A	—	—	—	—	2	—	—	192	—	—	—	3	—	23	21	241
B	—	—	—	14	—	—	—	1325	—	—	—	2	—	61	10	1412
C	—	—	—	—	—	—	—	911	—	—	—	3	—	23	10	947
D	—	—	—	5	1	—	—	2098	—	—	—	5	—	55	90	2254
E	—	—	—	62	3	—	—	907	—	—	—	24	—	212	100	1298
F/S	—	—	—	23	1	—	—	4755	—	—	—	16	—	76	159	5029
F/N	—	—	—	5	7	—	—	0502	—	—	—	27	—	50	220	611
G/S	—	—	—	8	3	—	—	1071	—	—	—	11	—	53	188	1335
G/N	—	—	—	4	4	—	—	2200	—	—	—	31	—	53	126	2418
H/E	—	—	—	2	2	—	—	410	—	—	—	24	—	35	138	611
H/W	—	—	—	1	1	—	—	486	—	—	—	7	—	20	63	578
K/E	—	—	—	6	3	—	—	558	—	—	—	21	—	37	122	744
K/W	—	—	—	—	1	—	—	994	—	—	—	9	—	13	89	1006
L	—	—	—	7	4	—	—	640	—	—	—	20	—	52	73	696
M	—	—	—	—	3	—	—	227	—	—	—	48	—	78	166	523
N	—	—	—	1	3	—	—	571	—	—	—	18	—	36	89	898
P/S	—	—	—	—	—	—	—	621	—	—	—	14	—	9	—	644
P/N	—	—	—	—	5	—	—	210	—	—	—	16	—	18	156	405
R	—	—	—	1	2	—	—	800	—	—	—	17	—	21	125	766
S	—	—	—	4	1	—	—	654	—	—	—	8	—	29	—	696
Imported.	—	—	—	1	—	—	—	337	—	—	—	6	—	11	54	409
Total	—	—	—	137	67	—	—	20087	—	—	—	418	—	1062	2493	24245

TABLE NO. 6

	No. of fever cases detected.	No. of persons given treatment.	No. of Blood smears			Found +ves	Parasite Species				Persons treated Epidemiological classification						
			Collected	Examined	Broken		V	F	M	Mixed	Completely	Partially	Imp.	Ind.	Relap-sed	Ind.	Not treated
1. ACTIVE :																	
CITY	9731	9731	9731	9731	—	130	124	8	—	—	120	3	18	109	—	—	3
W. SUBS.	56369	56369	56369	56369	—	92	79	12	—	1	80	1	47	37	—	—	8
E. SUBS.	23744	23744	23744	23744	—	162	106	53	—	3	141	—	16	129	—	—	17
	89844	89844	89844	89844	—	384	309	71	—	4	341	4	81	275	—	—	28
2. PASSIVE :																	
	184144	184144	184144	184144	—	2515	2320	187	—	8	1915	39	733	1358	—	—	424
W. SUBS.	96799	96799	96799	96799	—	557	507	48	—	4	395	13	232	200	—	—	125
E. SUBS.	77995	77995	77995	77995	—	244	210	32	—	2	180	8	113	78	—	—	53
	358938	358938	358938	358938	—	3316	3037	265	—	14	2490	60	1078	1636	—	—	602
3. MASS :																	
CITY	38973	38973	38973	38973	—	346	323	21	—	2	298	3	42	274	—	—	30
W. SUBS.	2586	2586	2586	2586	—	—	—	—	—	—	—	—	—	—	—	—	—
E. SUBS.	28110	28110	28110	28110	—	29	24	5	—	—	20	2	5	17	—	—	7
	69669	69669	69669	69669	—	375	347	26	—	2	318	5	47	391	—	—	37

TABLE - 7

Ward-wise Malaria Positives cases with species and classification for the year 1988.

Ward	No. of + ve cases	Malaria Parasites					Classification		
		V	F	M	Mixed	Imp.	Indig- enous	Untra- ced	Unclas- sified
A	302	255	46	—	1	33	195	24	50
B	69	56	12	—	1	28	22	11	8
C	60	52	8	—	—	20	22	11	7
D	313	297	16	—	—	134	127	19	33
E	413	376	36	—	1	170	163	23	57
F	1131	1068	56	—	7	191	811	39	90
G	693	654	39	—	—	210	395	44	44
H	260	244	14	—	2	75	145	18	22
K	182	164	18	—	—	80	51	17	34
L	57	44	13	—	—	16	35	4	2
M	64	52	12	—	—	14	32	11	7
N	74	66	7	—	1	42	18	7	7
P	105	97	7	—	1	66	21	12	6
R	106	85	19	—	2	62	22	16	6
S	176	117	55	—	4	23	124	4	25
T	70	66	4	—	—	42	19	4	5
Total	4075	3693	362	—	20	1206	2202	264	403

TABLE NO. 8

Admissions, deaths and average number of patients at Kasturba Hospital, Sane Guruji Marg, Bombay—11.

Months	Chicken pox	Measles	Mumps	B+ve Hepa- titis	Anterior Polio- myelitis.	Inf- luenza	Cholera	Diarrh- oea & Vomi- ting due to Gastro Enteritis	Dip- theria	Enteric Fever	C. S. Fever	Typhus Fever	Erysip- elas	B. Dy- senteria	A. Dy- senteria	Who- ping Cough	Other Disea- ses	Total	Dis- charged	Death	Daily average No. of patient.
Jan.	229	29	28	79	36	—	—	251	3	2	14	—	—	—	35	—	543	1249	1192	57	288
Feb.	528	46	73	79	36	—	—	191	9	11	20	—	—	—	28	1	441	1463	1430	33	370
March	653	49	97	82	19	—	—	332	1	6	24	—	—	—	50	—	483	1796	1751	45	417
April	525	69	63	72	23	—	—	418	3	5	10	—	—	—	48	1	588	1825	1777	48	446
May	204	83	46	100	32	—	—	513	3	7	9	—	—	—	50	—	557	1604	1554	50	354
June	71	57	20	92	29	—	—	531	5	6	10	—	—	—	13	—	565	1399	1340	59	321
July	47	40	10	84	45	—	—	967	4	11	5	—	—	—	38	1	909	2161	2087	74	409
August	31	52	9	101	36	—	—	1156	5	7	6	—	—	—	39	1	1047	2490	2402	88	470
September	47	93	19	116	47	—	—	561	3	12	6	—	—	—	32	2	993	1931	1869	62	417
October	57	88	40	68	37	—	—	488	10	15	4	—	—	—	24	—	875	1704	1641	63	381
November	89	111	36	77	25	—	—	379	11	25	—	—	—	—	23	—	717	1493	1443	50	342
Dec.	260	178	40	112	53	—	—	256	10	30	5	—	—	—	10	—	580	1534	1466	68	371
Total	2741	895	481	1062	418	—	—	6041	67	137	113	—	—	—	390	6	8298	20649	19952	697	383

TABLE No. 9

Admission from 1985 to 1988 at the Kasturba Hospital for Infectious Disease.

Year	Chicken pox	Measles	Mumps	C. S. Fever	Diphtheria	Influenza	Whooping Cough	Enteric Fever	B. Dysentery	A. Dysentery	Cholera	Typhus Fever	Diarrhoea & Vomiting due to Gastro enterites	Anterior Polio myelitis.	Infective Hepatitis	Other Diseases.	Total	Death	Discharge	Daily average No. of patients
1985	2100	789	394	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	18308	804	17502	376
1987	2118	724	371	150	43	—	—	165	1	121	—	—	3837	1032	732	7852	17146	760	16386	337
1988	2741	895	481	113	67	—	6	137	—	390	—	—	6041	418	1062	8298	20048	698	19952	383

TABLE NO. 10
Average weekly cost per patient admitted at the Kasturba Hospital for Infectious Diseases, Sane Guruji Marg, Bombay-400 011.

Particulars	1985	1986	1987	1988
	Rs.	Rs.	Rs.	Rs.
Drug, Dressing & Disinfectants	39.41	51.24	51.94	78.26
Diet	62.16	48.09	81.34	64.12
Clothing	14.77	6.86	9.24	10.64
Stores	19.11	14.98	6.44	16.94
	135.45	121.17	148.96	169.96

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-patient Department
Diet	9.16	—
Stores and Linen	3.95	0.44
Drugs, Dressing & Disinfectants	11.18	3.06
Lighting, Miscellaneous	11.98	0.05
Repairs	7.26	—
Establishment	135.11	5.69
	178.64	9.24

TABLE NO. 12
Immunization done by Mobile Health Unit in 1980 (in field)

	Immunization	In Field	Total
1.	D. T.		
	1st dose	93	93
	2nd dose	278	278
2.	Triple		
	1st dose	225	225
	2nd dose	47	47
	3rd dose	67	67
	Booster dose	668	668
	Polio		
	1st dose	247	247
	2nd dose	47	47
	3rd dose	67	67
	Booster dose	686	686
	T. A.	1240	1240
	Cholera	24992	24992
T. T.			
	1st dose	3917	3917
	2nd dose	—	—
	Meaxles	1039	1039
		33613	33613
(2)	Health Drives	185	
	Total No. of patients	43309	
	No. of patients days treatment.	89528	

TABLE No. 13

Work done at Municipal General Hospitals under the Executive Health Officer during the year 1988.

Accommodations of Beds	Khurshedji S. Bhabha Hospital Bandra.	Vishnu Prasad Nandraj Desai Gen. Hospital Santacruz (E).	Dr. R. J. Cooper Hospital, Juhu.	Khan Bhador N. K. Bhabha Hospital, Kuria.	Diwalibai Mohanlal Mehta (Maa) Hospital, Chembur	Seth V. C. Gandhi & M. A. Vora Gen. Hospital, Rajawadi, Ghatkopar.	Shri M. W. Desai Memorial Gen. Hosp. Malad (East).	Shri Harilal Bhagwati Hospital, Borivli.	M.T. Agerwal Gen. Hospital Mulund (West).	Gen. Hospital Mulund (East).	Sant Muktabai General Hospital, Brave Nagar Ghatkopar.	Municipal Centenary Gen. Hospital, Govandi.	Municipal Centenary Gen. Hospital, Kandivali (West).													
Children Ward.	50	27	60	31	20	78	26	35	33	20	20	30	20													
General Male Ward.	52	75	195	90	28	42	35	100	40	30	20	20	40													
General Female Ward.		75	175	50	12	37	25	85	37	30	20	20	35													
Maternity Ward.	114	30	—	75	—	110	30	50	—	20	40	30	20													
Septic & Gynec. Ward.	208	40	90	75	10	60	20	25	18	10	—	—	5													
Others.		4	—	60	4	235	—	5	—	—	—	30	—													
Total No. of Beds.	422	251	520	309	74	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.												
In-patients.	81,665	345	55,394	152	1,70,252	523	74,245	204	18,351	54	1,71,116	468	32,322	88	18,032	49	29,783	82	24,789	67	21,394	58	36,678	101	30,255	83
Surgical Operation	20,781	41	7,546	25	17,108	75	4,138	12	2,889	8	15,000	60	1,306	5	11,989	32	4,545	15	760	5	321	0.4	4,817	13	2,775	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 Dept.	216758	881991	106447	250664	195794	587397	124658	473419	78328	283430	178148	770168	50,466	1,37,470	1,07,521	2,26,175	58,462	255268	43,195	173734	50,435	117610	95,183	355933	56,476	242538
In Patients remained on 31-12-87.		338		145		441		176		35		388		88		269		90		66		60		66		69
Admitted in 1988.		16,874		12,388		31,899		12,728		3,992		29,044		7,969		18,032		4,638		4,940		5,904		13,662		7,685
Total No. of Patients treated in 1988.		15,449		12,533		1,70,252		74,245		3,852		29,430		1,37,470		18,301		2,85,041		1,73,734		56,339		36,678		2,42,538
Discharged cured.		15,393		12,105		30,015		12,582		3,852		23,081		7,405		16,490		4,329		4,125		5,773		13,382		7,895
Otherwise.		289		—		813		—		87		4,453		100		585		177		721		131		144		69
Died.		419		283		1,887		302		76		1,498		223		970		164		125		41		232		164
In-patients remaining on 31-12-88.		338		145		438		144		48		398		88		256		82		56		60		87		78
Daily Average (Out-patient).		2,956		836		642		1,297		945		560		382		626		837		475		322		976		808
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.
	1,57,12,025	128.15	1,54,38,060	158.81	2,71,09,123	87.41	1,76,04,652	176.15	78,85,910	106.82	3,45,28,471	144.81	17,97,767	38	2,60,71,570	82.66	81,62,751	44.50	14,82,596	36.80	58,29,184	168.44	97,31,967	136.90	51,40,215.80	86.38

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TABLE NO. 14

Examination of food and water samples during the year 1988.

I. Chemical Examination :	
1) Food (1) P. F. A. Act	2650
(2) Other than P. F. A. Act.	8827
2) Water Samples	6671
3) Controller of Stores.	322
4) Hospitals	38
5) Miscellaneous	378
Total :	18886
<hr/>	
II. Bacteriological Examination :	
(1) Water from City, Suburbs & Extended Suburbs.	25812
(2) From B. P. T. Area	463
(3) Water (Private)	895
(4) Foods	304
(5) Ice	1
(6) Miscellaneous	—
Total :	27475
<hr/>	

TABLE NO. 15

Wardwise confinements in Institutions in Greater Bombay doing Maternity Work during 1988.

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	7	54	16	33	14	33	17	13	37	45	53	11	19	8	28	19	41	34	20	22	25	572
Total No. of beds.	2754	247	255	2168	3827	1587	2719	489	798	380	1044	1588	1121	437	265	450	3595	270	700	712	807	578	882	27787
No. of Mat. beds.	588	135	44	763	984	418	506	335	348	125	478	618	520	150	177	155	501	228	408	430	313	285	310	8225
Live Births.	7982	2967	1435	11568	10709	14072	17412	4640	6937	7036	11597	14000	13933	7583	6064	9349	18017	6367	10034	9684	8792	7744	9249	217151
Still Births.	237	80	26	230	239	244	465	72	86	161	78	397	225	180	109	208	440	188	185	238	165	163	289	4673
Total Confinements.	8190	3027	1461	11799	10948	14316	17877	4712	7012	7197	11675	14397	14158	7763	6173	9557	18450	6555	10219	9897	8957	7837	9538	221763
	(297)			(97)				(111)			(27)						(77)				(37)			(817)
Deaths among mothers.	5	—	—	8	22	20	20	—	—	—	—	—	—	—	—	2	8	—	—	—	—	—	—	75
B.C.C. Vaccination.	10492	1355	1048	3819	8949	10911	3570	1800	4803	7366	8177	11218	6536	7632	5437	5245	13461	5404	10288	10752	3362	9530	6055	157830

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

HOSPITAL :	Rs.
I	
—Expenditure :	
A —On In-Patients.	10,96,33,647.00
—On-Out-Patients.	2,90,54,0973.00
B —Average cost per : —	
(i) In-Patients per day.	231.27
(ii) In-Patient admission.	1,793.30
(iii) Out-Patient attendance.	19.11
(iv) Out-Patient admission.	89.50
II —Results :—	
A—	
1. Schedule Bed Strength.	1,615
2. Daily Average —In-patients in Ward.	1,589
3. Admission including those brought over from the previous year 1988.	62,133
4. Patients discharged.	60,704
(i) As cured.	46,962
(ii) Otherwise.	9,234
(iii) Expired.	4,508
(iv) Remained in the hospital on the last day of the year 1988.	1,485
5. Average stay of In-patients(In days).	9.50
B—	
1. New Out-Patients attendance.	3,27,096
2. Daily average of New Out-Patients.	1,083
3. Out-Patients New & Old.	15,45,292
4. Daily average of Out-Patient attendance.	5,116
5. Casualty cases (Medico-legal).	20,411
C — Operations :	
1. Major.	19,653
2. Minor.	37,795
D— Confinements :	
1. Booked cases.	3,829
2. Emergency cases.	195
3. Normal.	3,305
4. Abnormal.	719
5. Neonatal & Maternal Deaths :	
(1) Maternal Deaths.	13
(2) Neonatal Deaths. (Full term babies)	57
Neonatal Deaths. (Premature babies)	76
(3) Still Births.	106
(4) Premature.	12
III — Specialised Treatments :	
1. Artificial Kidney Departments :	
(i) Peritoneal Dialysis.	405
(ii) Haemodialysis.	2,679
2. I. C. C. U. Ward :	
(i) Number of Admissions.	611
3. Open Heart Surgery.	
4. Other Operations (Heart).	
5. Neuro-surgery :	
Operations.	876
6. Sterilisations :	
Male.	104
Female.	1,078
IV Radiology :	
1. General Radiology.	1,07,685
2. Vascular Radiology.	11,659
3. Neuro-Surgery.	1,659
4. Orthopaedic.	31,299

V	—	Blood Bank :	
	(i).	Number of Blood samples collected from :—	8,683
	(1)	Voluntary Donors.	7,968
	(2)	Relative Donors.	398
	(3)	Indoor Voluntary Donors.	2,859
	(4)	Others Hospitals.	20,118
	(ii).	Number of bottles supplied.	23,062
	(iii).	Total Number of grouping & X—matching.	
VI	—	School Clinic.	
	1.	School Children treated :	2,963
	(i).	New.	19,381
	(ii).	Old.	3,70,000.00
	2.	Total expenditure on Clinic. (Rs.)	
VII	—	Physio Therapy :	
	(1)	Attendance at the Centre :	23,155
	(i)	Out-patients.	2,79,990
	(ii)	In-patients.	
	(2)	Treatment given to :	79,811
	(i)	Out-patients.	2,00,179
	(ii)	In-patients.	40
	(3)	Students admitted during the year.	112
	(4)	Students in the school.	25
	(5)	Students graduated during the year.	
VIII		Occupational Therapy :	2,11,548
	(a)	Patients treated at the Centre.	
	(b)	Treatment given to—	
	(i)	Students admitted in the School during the year.	40
	(ii)	Number of students in the school.	134
	(iii)	Students graduated during the year.	28
		COLLEGE :	
	(i)	Total expenditure on Hostel.	Rs. 4,08,292.64
	(ii)	Revenue from Tution Fees, Hostel Rent.	Rs. 11,25,919.00
	(iii)	Revenue from Post-Graduate fees.	Rs. 2,23,175.00

Students :

	Male	Female	Total
1st M. B. B. S. (June-88) admission.	92	108	200
1st M. B. B. S. (Casual)	17	20	37
2nd M. B. B. S. — 1st Term.	93	88	181
2nd M. B. B. S. — 2nd Term.	11	15	26
2nd M. B. B. S. — 3rd Term.	92	92	184
3rd M. B. B. S. — 1st Term.	25	11	36
3rd M. B. B. S. — 2nd Term.	70	99	169
3rd M. B. B. S. — 3rd term.	05	09	14
3rd M. B. B. S. — (Casual).	47	11	58
Interns.			
B. Sc. (O. T.).			
B. Sc. (P. T.).			
Post-graduate students including Research.			
Grand Total			

B—Occupation of parents or Guardians :

(i) Service.	130
(ii) Medical Profession.	23
(iii) Legal Profession.	—
(iv) Misc. Occupation.	05
(v) Engineering.	07

The King Edward VIIth Memorial Hospital or 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. Parulkar, M.B.B.S., M. S., FACS, FAMS, FASC.

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

Asstt. Dean—Dr. G. R. More, M. B. B. S., M. D., D. C.

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 1988.

Staff members at present.	42
Students at present on Roll.	134
Students graduated during the year.	28
Students admitted in School for B.Sc. (O.T.)	40
Students admitted in School for M.Sc. O. T.	5
Students passed M.Sc. O. T.	5
Attendance of the patients.	15,221
Total Nos. of treatments given.	2,11,548

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 was given to the patients. Patients produced handloom products like bed-sheets, towels, hankees, rug mats etc. This year the sale money amounted to Rs. 8,992.00/- was credited to P. B. C. Fund of the K. E. M. Hospital.

Printing Activities :— During the year Rs. 2,47,282.00/- worth printing work was done & amount collected Rs. 47,167.00/- was credited to P. B. C. Fund of the K. E. M. Hospital.

Splints : Total 909 splints worth of Rs. 19,777/- were prepared and given to the patients. The total amount recovered for these were Rs. 17,551/- which was credited to the P. B. C. Fund of the K. E. M. Hospital. This year 24, New Ortheplast splints worth of Rs. 12,150/- were prepared and amount was credited to the Impress Accounts.

The academic activities of the department are going on progressively inspite of shortage of space, discrimination in pay scales and lack of funds to purchases the equipments etc. on the whole the 1988 was a year of progress.

GYMKHANA

Approximately Rs. 64,500/- were used for various Gymkhana activities.

Volleyball & Gymnasium . Introduced intercalss rowing competition for the first time. Other usual activities were cycling, road race, tournaments in volleyball & throwball & sports week 88-89.

Cricket : Our college participated in may intermedical tournaments even at All-Indian level.

Hockey : Interclass Hockey tournaments were arranged as usual.

Wall paper & Magazine : Among other programmes were the Grand Junior personality contest. The college magazine was brought out.

Reading room & Debating Dept : Our college participated in many festivals, Aavishkar-89 and intercollegeiate festival was organised in co-ordination with the cultural dept.

Hiking : Organised hike to various spots all over Maharashtra.

Badminton : The dept. functioned efficiently as always.

Tennis : Organised film shows on great tennis matches. Also organised an exhibition match between ranked players.

Indoor Games : Our college participated & won many prizes in inter-collegiate chess & carrom tournaments.

Football : Participated in many tournaments including Quad football.

Cultural dept. : A No. of latest films were screened. Also a programme on 'Blind faith & superstition' was arranged. The college week was a grand affair.

DEPARTMENT OF PREVENTIVE & SOCIAL MEDICINE

Principal Activities of the Department :—

Teaching : Under-graduate to & Post-graduate teaching, Interns & Nurses.

Under-graduates Teaching :—

No. of Field visits.	11
No. of Diadecti Lectures : Clinical Clerkship.	100 hrs.
Regular Classes.	60 hrs.
Revision Classes.	10 hrs.
No. of Demonstrations.	16 hrs.
No. of Seminars.	8 hrs.
No. of Practical.	10 hrs.
No. of family visits.	10 hrs.

Post-graduate Teaching :

Seminars, Journal Club, lectures & Practicals.

Health Education Unit.

1. Total No. of Interns trained in Health Education.	190
2. Total No. of undergraduate medical students trained in Health Education.	400
3. Total No. of nursing students trained in H. E.	100
4. Total health education programme in Textile mill.	82
5. Total No. of health promoters trained in Textile mill.	1100
6. Textile workers of M.O.A. & N. T. C. Mills.	62000
7. Total Nos. of slum health education programme.	70
8. Total slum dwellers educated with help of voluntary organisation.	7000
9. Total No. of Health promoters (for slum dwellers) of Kamgar Kalyan Mandal trained.	100
10. Health education by way of Mass media like (Television, Radio, uncountable news paper articles, magazines etc.)	

Malvani Health Centre (1988).

1. Curative Services.

(a) O. P. D. :—Male	7024
Female.	13750
Children	11939
Total	32713
(b) Under Five's Clinic :	
Children seen.	8063
O. R. S.	544
Refer to NRC.	138
Health the Education.	4071
(c) Mother Craft Clinic :	
Total Patient Regd.	1512
Follow up visit.	4772
(d) Scabies :	
Patients.	290
Family members given bath	1281
(e) Leprosy :	
New patients.	46
Follow up treatment.	915
f) Tuberculosis :	
New patients.	170
Follow up	1346
Home visits para.	642
T. B. Deaths.	37

II) (a) Immunisation :

O. P. V.	5517
D. P. T.	5490
Measles.	961
B. C. G.	1816
b) T. T. O. P. D.) :	
T. T.	2965
T. T. (Mother craft).	2779
Inj. S. M.	1680
Inj. Infeon.	4068

School Health Programme :—		
a)	O. P. D.	9988
b)	Check-up.	8459
c)	Demonstration.	4427
d)	Vit. A.	3027
4) Camps :		
	Dental Camp	870
	Ophthalmic Camp	862
	Family Planning : TL—55+63 Choksy—	118
	MTP with TL	57
	IUCD	25
	MTP with IUCD	51
	OC	7
5) Pathological Investigations :		
	Urine.	1592
	Stool.	167
	Blood.	6845
	Sputum	193
	Malaria.	1649
6) Rehabilitative Services :		
	New patients	23
	Follow up.	1562

Naigaon & Lower Parel Community :

1) Material & Child care in Naigaon Community :—

i)	Children treated in under Fives clinics.	2815
ii)	Mother check-up.	96
iii)	Milk Powder & oil distribution.	100
iv)	Cases referred to K. E. M. Hosp. for further investigations & treatment.	40
v)	Homes visit & follow up of old as well as New cases.	450
vi)	Health Education given to No. mothers.	450
vii)	Patients motivated for family planning.	200
viii)	Medical students trained.	400
ix)	Interns trained.	180

x) Immunisation report as follows :

O.P.V.	DPT	0-1 year	1 to 6 yrs.
P1		444	30
P2		360	19
P3		335	20
B1		155	
B2		72	
Measles	...		193

B) Universal Immunization Programme :

i)	Population surveyed at Lower parel.	50,000
ii)	Additional population included for U. I. P. at Lower Parel.	5000
iii)	Health education talks given.	12
iv)	Gynaecological checkup & family planning advice given.	200
v)	Incentives given as Johnson Baby Powder to under one year fully immunised children.	130
vi)	Co-operation was obtained from 40 local mandals from lower parel area for U.I.P.	200
vii)	Treatment of Adults & Children.	200
viii) Immunization Report as follows :		

	0-1 year	1 to 6 yrs.
P1	207	242
P2	124	171
P3	105	116
Measles	146	131
B1	657	
B2	363	

Vit. A—	1891
Inj. T. T.	449

C) Camps at Lower Parel :

(1) Medical Check up and De worming camp at Lower Parel —	beneficiaries —200
(2) School Health check up at D-Foman —	Children —400
(3) Medical Check up Camp at Blind School, Dadar. —	beneficiaries —250

Investigations done at "F" South for O. P. D., M. M. E.,/P. P. patients. :

1. H. B.gm%	:	2,899
2. R. B. C.	:	5
3. W. B. C.	:	2,403
4. W. B. C.	:	2,407
5. E. S. R.	:	881
6. A. L. B.(Urine)	:	2,629
7. Sugar(Urine)	:	2,714
8. Microscopic	:	1,393
9. BSBP	:	1,171
10. Stool.	:	293
11. Sputum.	:	84
12. Serum	:	18
Total	:	16,897

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 General Hospital at Malad and at Santacruz hospital and Baridra Bhabha Hospital.

In respiratory care ward clinically ill patients were treated. Anaesthesia O. P. D. continued to work smoothly. 7,683 patients attended the O.P.D. facilities to do routine investigations like Hb, Urine were provided. Pain clinic and Acupuncture clinic continued to work.

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.

The 37th Annual Conference of Indian Society of Anaesthetists at Udaipur.

C. M. E.:	(a) New trends in the anesthetic management of hypertensive patients.—	... Dr. M. M. Bhatt.
	(b) Anaesthetic circuits—	... Dr. D. Das Gupta.
	(c) Anaesthesia machines—	... Dr. D. B. Deval.
Symposium :	Pain symposium	... Dr. D. Das Gupta.
	Symposium on 'Open Heart Surgery with patients with concurrent diseases'—	... Dr. M. M. Bhatt.

DEPARTMENT OF BIOCHEMISTRY AND CLINICAL 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.

Under graduate teaching :	No. of students.
M. B. B. S.	200
B. Sc. (OT/PT)	80
Post Graduate teaching (University of Bombay)	
D. M. L. T.	10
M. Sc. (By papers)	
Part—I	12
Part—II.	12
M. Sc. (By Research).	20
M. Phil.	2
Ph. D.	15

ARTIST SECTION :

The following work is carried out in the deptt. during the year 1988-89.

1) Patient's Photograph taken.	1659
2) X-Rays exposed.	6268
3) Specimen etc. exposed.	882
4) Book copping, charts, etc. exposed.	8235
5) Preparing of charts, graphs, drawing etc.	3018
6) Function's photographs taken.	544
7) Nurses phtographs.	211
8) Slides prepared.	12144
9) Prints prepared.	5250
10) Marco Photographs.	598

MEDICAL RECORD DEPARTMENT.

The Scheduled beds 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 4508 deaths 864 died within 24 hours of admission, 721 after 24 hours but within 72 hours of admission and 2901 after 3 days or more from the date of admission. The figures are inclusive of 69 still births, Prematurity and Neonatal deaths. Death rate was 7.35 as against 7.51 during the last year.

Confinement and Abortion : The total number of confinement was 4,239 and that Abortion was 215 (S. P. 61 + M. T. P. 154).

Medico-Legal Cases : Resident Medical Officers attended the Various Courts for giving evidence in 590 Medico-Legal cases, as follows :— Labour Court : 70, Lower Court : 317 Session Court : 22 M. A. C. T. : 176 Juvelian court : 2, Explanad Court : 3.

215 P. M. Notes were filled in the Coroner's Court and 318 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.	17,380
II) Compensations.	214
III) Insurance.	226
IV) Injury.	195
V) Injury to Ctf. to Police (Free)	1,286
VI) Municipal Staff.	8,228

Anti-Rabic Vaccination given during the year.

New	Old	Total	Deaths
6,103	15,634	16,237	25

SOCIAL SERVICE DEPARTMENT :

The Social Service Department of this hospital was started in 1954. Now there are fifteen Social Workers.

Principal Activities of the Deptt. :

(1) Library for the patients is continued this year also in the Orthopaedic Centre, C. V. T. C. and the in the main building with the help of the donations received.

(2) Supervision of full time teacher for bed ridden children in Orthopaedic Centre is done by Smt. A. P. Shah since last 14 years.

(3) Free food to Indoor patients' relatives, milk powder, old clothes to patients and their relatives given through different chartable Organisations. 5 Kg. Wheat and Rice given once a month to poor patients and their families through Vishwa Hindu Parishad.

(4) Donation in Lakhs of rupees arranged by Social Workers for costly medicines, orthopaedic appliances, C. T. Scan cardiac surgery, kidney transplant etc.

Mrs. Shah arranged donation of twenty wheel chairs and twenty four pieces of adjustable crutches for physically handicapped patients with the co-operation of Mrs. Mrinal Gore, M.L.A. She also arranged donation of three Wheelar for six patients.

(5) Social workers from C. V. T. C. arranged Doners Day' to Felicitate donors who are helping poor patients for Cardio-vascular surgery.

(6) Social Worker arranged various entertainment programmes, distributed sweets, biscuits, fruits etc. to Indoor patients, Mrs. Shah arranged X'mas party for all three Hospitals, Physically handicapped patients through Rotary Club of Bombay uptown.

(7) Group sessions are conducted with patients and their relatives in wards & O. P. D. Diet demonstrations arranged in Ward. I through Food & Nutrition Board.

(8) Mrs. Shah arranged opening Public Telephone booth for paraplegic patient of K. E. M. Hospital new building through Lions club of Byculla.

(9) Smt. Goswami attended Drug Abuse Seminar Hope 1988. She also attended a training programme on 'Skill formation in Development Activities', held at Delhi. She trained 10 FPH a group of retired people who wish to work as volunteers in Hospitals. She continued to remain in the managing committee of Council of International Fellowship and Paraplegic foundation. She started a stall for paraplegic patients to sell sanitary pads made by paraplegic foundation near Labour ward. She was able to get a legal compensation claim cheque for Rs. 1,11,355/- for a Quadriplegic patients.

On Foundation day Smt. Goswami and Smt. Vijaya Naik were awarded for outstanding services in Medico-Social Work.

The old patients come regularly to Social workers for follow-up for services like material aid, care work rehabilitation etc., etc.

Annual report of the medico-social workers attached to Blood Bank and the Psychiatric Deptt. is included in the respective Deptt. report.

The total No. of New cases are referred to the Social Services Deptt. is 5,915.

Service Rendered.	No. of cases.
1) Material aid (Medicines, appliances equipment for heart surgery, kidney transplant, milk powder, clothes, etc.).	3,396
2) Case work.	395
3) Discharging patient from the hospital when there is a problem.	311
4) Rehabilitation.	441
5) Social Data.	391
6) Referrals to other agencies.	727
7) Follow up.	248
Total :	5,915

SETH DHURMAL BAJAJ ORTHOPAEDIC CENTRE AND RESEARCH INSTITUTE :

Principle activities of the Department.

Teaching : Undergraduate :

Every day tutorials, Lectures, OPD Clinics, & Ward rounds.

Postgraduate :

Spine Update meeting, Trauma Uptdate meeting, Spine-Radiology & Neurology meeting, Clinico-Path. meeting, lecture & Clinics.

Clinical Services :

Nature of deseases treated in Deptt, Congenital, Traumatic, Associated Complications, Degerative, Infections, Neoplastic, Special Surgeries.

No. of New & Old OPD Cases :

New OPD Cases :	30,560
Old OPD Cases :	36,730
No. of Admissions :	4,178
No. of Operations :	
Rountine	
Major	1,025
Minor	3,99
Emergency Operations (O.T.S.T)	
Major	1,060
Minor	4,404
No. of Investigations carried out in Laboratory :	
Total Blood Collection.	9,354
Total Blood Investigations.	28,334
Total Blood Collection.	2,260
ESR	7,080
HB	7,080
WBC—total.	7,080
WBC—Diff.	7,080
Bl. Time	3
Clothing time	3
MP	8
Total Urine Collections	2,311
Total Urine Investigations.	4,622
Radiological Investigations :	
Old X-rays.	13,378
New X-rays.	18,963

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY.

Obstetric cases & Operations :

Total No. of Confinements.	4,239
Total No. of Deliveries.	4,024
Registered Cases.	3,829
Emergency Cases.	195
Normal Deliveries.	3,305
Abnormal Deliveries.	719
Premature Deliveries.	260
Breech.	72
Face.	14
Lower Segment Caesarian Section.	292
Forceps Deliveries.	103
Vaccum Extraction.	91
Twins.	41
Cord Presentation/Prolpase.	5
Placenta Previa.	2
Abortion (S. P. 61 + M. T. P. 154).	215
Mortality :	
Maternal Deaths.	13
Neonatal Death in full term babies.	57
Neonatal Death in Premature babies.	76
Still Births :	106
Full Term.	94
Premature.	12
Foetal Malformations.	6
Maternal Abnormalities :	
Pre-eclampsia.	23
Eclampsia.	3
Previous L.S.C.S.	30
Heart Diseases.	7
Hypertension.	2
B.O.H. with Pregnancy.	3

Obstetrics Operations :

Total No. of Obstetrics Operations.	4079
Major operations.	366
Emergency L.S.C.S.	265
Exploratory.	55
Elective L.S.C.S.	35
L.S.C.S. with T. L.	5
Obstetric Hysterectomy	4
Hysterotomy.	2
Minor Operations :	3713
D. & C. With Scopy.	756
Check Curettage	529
Diagnostic Scopy.	452
D. & C.	428
Abdoeminal T. L.	400
M. T. P. with Lap. T. L.	227
Laparostic T. L.	215
E. M. Crydil.	123
M. T. P.	101
Sec. Suturing of wound.	93
Ovum Aspiration.	59
Tighting of OS.	51
Ex. Biopsy.	46
Exchange Transfusion.	43
F. Curretage.	25
D. & C. with T. L.	24
Internal Podalic Version with Extraction.	19
Polypectomy	16
E. U. A.	13
Incision & Drainage	10
Cautery.	9
M. R. P.	9
Colpotomy.	6
Miscellaneous.	59

Gynaecological Cases & Operations.

Total No. of Gynaecological Operations.	1109
Major Operations :	1066
Vaginal Hysterectomy.	609
Abdominal Hysterectomy.	138
Exploratory Laparotomy.	77
Shirodkar Viginal Repair.	19
SUI Repair.	38
Wertheim's Operation.	14
Myomectomy.	15
Tuboplasty.	40
Vesico Vaginal Fistula Repair.	5
Fothergill's Operations.	12
Abdominal Cervicopexy.	16
Khanna Sling.	2
Repair of Vault Prolapse.	3
Burch's Operation.	2
Fistula Repair.	6
Raz Operation ✓	1
M. M. K.	1
Kelly's operation.	14
A. P. Repair.	41
Hernia repair.	9
Le Fort's.	3
R. V. F.	1
Minor Operations :	43
Vaginal Cyst removal.	7
Vaginal Plasty.	1
Polypectomy.	5
D & C +EUA.	10
Cone Biopsy.	3
Hysterescopy.	3
Secondary suturing.	3
Miscellaneous.	11

Dr. N. A. Purandare Research Centre & Cytology Laboratory :

Investigations :

Blood Urea Nitrogen.	3148
Blood Sugar	4015
Plasma creatinine.	1932
Plasma Uric acid.	1680
Plasma Total proteins.	1824
Plasma Albumin.	1824
Serum G. O. T.	1800
S. G. P. T.	1800
Serum bilirubin	1800
Fibrinogen.	25
Prothrombin.	40
Haemoglobin (Antenatal).	4335
V. D. R. L.	15966
Blood Grouping with Rh typing	6036
Rh Titers.	386
Haemogram.	3665
R. B. C. Count.	25
R. B. C. Morphology.	60
Blood Indices.	20
Platelet count.	120
24 hrs Urine albumin.	16
T. T. C. in urine.	47
Urine HCG (Urine pregnancy test).	432
Semen Analysis.	1879
Amniotic fluid analysis foetal maturity test.	52
Amniotic fluid L/S ratio.	48
Toxoplasma THA.	330
Toxoplasma Igm.	520
Toxoplasma IgG.	520
Chlamydia IgG.	476

CYTOLOGY :

Total No. of patients screened	13027
Repeat smears.	126
Mild Dysplasia.	21
Moderate Dysplasia.	20
Smear Dysplasia.	6
Carcinome in Situ.	3
Suspicious.	36
Invasive carcinoma clinically visible.	50
Herpes.	7
Condyloma.	54
Chlamydia.	67
No. of Colposcopies.	63
Endometrial Biopsy.	44

Immuno Cytochemistry :

Immunoperoxidase staining for detection of Human Papilloma virus antigen.	83
Immunofluorescent staining for detection of chlamydia antigen.	81

POST PARTUM PROGRAMME SECTION :

M. T. P.	1181
Sterilisation.	1078
I. U. C. D.	879
Condoms.	50880 pieces
Oral pills.	1151 packets

ORAL CONTRACEPTIVE CENTRE :

	Oral pills	Cut	ML	MIUD	LP
Total No. of New cases.	90	879	352	—	—
No. of cases at the end of the year.	710	4157	807	103	248
No. of cases closed during the year.	90	335	23	7	6

Special Clinics :

High Risk Pregnancy, Endocrinology, Family Planning, Leucorrhoea clinic, Cytology, Orgal Conceptive, IVFET.

In Special Activities :

Department conducted training in following :—

1. Laparoscopy in Obstetrics & Gynaecology,
2. M. T. P. training.

Special contribution to patient's Care :

1. Microsurgical technique for tuboplasty and recanalisation in order to improve the success rate.
2. Developed infertility clinic, IVF clinic.

C. V. T. C. LABORATORY

The Cardio-Vascular & Throacic 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, 1988 were as follows :

CLINICAL PATHOLOGY SECTION :

(a) Complete Haemogram (Haemoglobin, RBC, Total & differential count, PCV & ESR) Malarial Parasites. Lupus Erythematosus (L. E. Cell).	11265 7 36	56325 72 36
(b) Routine analysis of Urine, Stool, Sputum & body fluid including microscopic Examanination :		
Urine.	3,854	11,562
Stool.	1,610	3,220
Sputum.	3,077	3,077
Pleural fluid.	128	128
All Total :	20,042	74,420

Biochemical Section :

(a) Liver Function Test	6969	34,845
Alkaline Phosphatase.	151	151
Prothrombin Time.	3,611	3,611
Clotting Time.	371	371
Bleeding time.	31	31
Serum Glutamic Oxalacetis Transaminase.	8,145	8,145
(b) Carbohydrate Metabosism		
Blood sugar	8,281	8,281
Urine Sugar	684	684
(c) Kidney Function Test :		
Blood Urea Nitrogen.	10,041	10,041
Creatinins.	2,261	2,261
Uric Acid	90	90
(d) Serum Electrolytes (Sodium, Potasium & Cholorides).	27,034	81,102
Calcium.	108	108
P. O4	66	66
Bilirubin.	20	20
R. A.	208	208
Misc.	52	52
Total :	76,268	1,58,212

II—Biochemical Section :		No. of Tests.
Cholesterol.	...	2,137
HDL Cholesterol.	...	2,082
VLD Cholesterol.	...	2,067
LDL Cholesterol.	...	2,071
Triglyceridos.	...	2,107
Lipoprotein Electrophoresis.	...	2,023
Protein Electrophoresis.	...	376
Creatine Phosphokinase C. P. K.	...	189
C.P.K. Isoenzymes.	...	201
Lactate dehydrogenase.	...	595
L.D.H. Isoenzymes.	...	331
Amylase.	...	84
Amylase Isoenzymes.	...	68
Creatinine.	...	46
Trypsin.	...	76
Lipase.	...	99
ACCR	...	35
HDL2	...	325
HDL3	...	325
APO—B.	...	2,192
APO—A.	...	2,168
Total :		19,597

III—Immunology Section :		No. of Samples
Immunoglobulin :		
Ig G	...	73
Ig A	...	70
Ig M	...	68
Complement		
C3	...	70
C4	...	8
Alfa Feto. Protein		
AFP	...	54
C. Reactive Protein		
C R P	...	31
		355

HISTOPATHOLOGY SECTION :		
1. Surgical slides prepared.	...	1,638
2. Autopsy specimen received.	...	415
3. P. M. Slides stained.	...	12,520
4. Cytology slides stained.	...	885
5. Special stins on P. M. & Surgical.	...	458
		15,916

Principal Activities :

Undergraduate Teaching :

1. Under graduate lectures for Regular & Casual batch students. Lectures related to Cardiovascular system.
2. Practical class for undergraduate students.
3. Revision class for undergraduate students.
4. Autopsy batch & discussion with undergraduate students.

Post-graduate teaching :

1. Participate in post graduate teaching programme of the department-slide seminars, journal reading case discussions, gross meetings.

Clinical :

Special investigations which are helpful for diagnosis of cardia patients :

1. HDL Cholesterol.
2. Apolipoprotein AI.
3. Apolipoprotein.
4. Creatinekinse & its cardiac specific isoenzyme M. B.
5. Vanylamandelic acid.

E. N. T. DEPARTMENT, SPEECH THERAPY & AUDIOLOGY

Principal Activities of ENT Department :—

Teaching :—

Undergraduate :

a) Clinical & Case presentation, Discussions, Operations, Lecturers.

b) Postgraduate : P. G. Clinics & Lecturer, Seminars, Journal club. Video Sessions Teaching, Cadaveric Dissection, Multidisciplinary lectures.

c) Clinical Services :

Deafness—Otosclerosis, SOM

Otorrhoea—CSOM

Rhinitis—Sinusitis, Headache, Sinuscopy

Head & Neck Malign & reconst. surgery

Otoneurotology—Vertigo, Menieres' diseases & all other ENT procedures.

d) Clinical :

(i) Ear.Clinic, ENT followup OPD

(ii) Head Neck : follow up OPD

(iii) ENT follow up OPD, Head Neck follow Up OPD

(iv) Sinuscopy : Clinic.

No. of New & Old cases treated during the year :

New
Old

19,092

47,732

Total :

66,824

No. of Admissions during the year :

Dr. S. B. Ogale's Unit :

1,293

Dr. M. V. Ingle's Unit :

1,290

No. of Investigations carried out in the Deptt. :

Caloric Tests :

154

No. of Audiometry Reports

3,934

No. of Speech Therapy

187 (New)

No. of Impedence.

932 (Regular)

No. Glycerol.

433

No. Sp. Tests.

104

No. of Operations:

2,602

Any other information like equipment : Purchase.

2,007

(i) Nasal Sinus Endoscopic.

(ii) Two West Germany Microscopes.

TUMOUR CLINIC

Principle Activities :

Followup of Cancer patients. Treatment of advanced cases, planning of treatment.

No. of New OPD patients :

250

DEPARTMENT OF MEDICINE

Principle Activities :

Teaching : Teaching the nurses, Physiotherapy & Occupational therapy students, undergraduate & Postgraduate students of department of Medicine. The Undergraduate students are taught bedside clinics in the wards. The students attend the OPD & clinics taken in the OPD. On the day of emergency the students attend the evening ward and see the emergency procedure, treatment and the lecturers/Registrar take a clinic in the evening.

Lectures : The undergraduate lectures are arranged by the department of medicine during the second posting of the medicine. The lectures are arranged in the morning & afternoon from Monday to Friday.

Tutorials : The tutorials are arranged by each unit in the afternoon. The tutorials are taken by lecturers. They cover up the topic such as procedures, instruments, emergency management, drugs and the topics which are not covered in the routine lecture programme.

Postgraduate Teaching : Every unit has a postgraduate teaching round which is conducted 2 to 3 times a week. One is on the post-emergency day of every unit and the other two are spread over rest of the week. The postgraduate students attend the P. G. Clinic on Tuesday at 12.30 p. m. and attend meeting on Wednesday between 12 noon and 1.00 p.m. where the postgraduate students present and discuss the interesting cases. On Thursday, between 11.30 a.m. & 12.30 p.m. postgraduate class is conducted where they present the interesting and problematic cases to the staff members. On Fridays there is a P. G. Thesis Cell meeting where the postgraduate students are guided for formulating writing thesis. In the afternoon there is a journal Club by the Department of Medicine.

No. of New & old OPD cases treated during the year :

	New OPD cases	Old OPD cases.
Medicine (General)	40,757	93,256
Rheumatology & Arthritis.	459	1,899
Geriatric Clinic	139	988
Nuclear Medicine Endocrine OPD	1,823	3,694
No. of admissions during the year to the department :		15,235

No. of Investigations carried out in the laboratories if attached :

Renal Profile (BUN, creatinine, Na, K, Cl, HCO ₃)	...	13,820
LFT, (Total protein, Bilirubin)	...	...
SGOT, SGPT	...	5,760
Alkaline Phosphatase.	...	2,200
Bone profile (Calcium, phosphorus, Alk. Phosphatase).	...	188
Blood sugar	...	7,587
Prothrombin time.	...	152
Total :	...	1,73,643

Part time Medical Unit :

Samples for Electrolytes, Na, K, Cl, HCO ₃.	...	7,620
Scintigraphy (Liver scans, hepatobiliary scans, brain scans, bone scans, renal scans, ascitic fluid, splenic scans etc.	...	2,046
Thyroid function tests (T—3 charcoal uptake tests : radioiodine uptake tests, thyroid scans with radioiodine—131, thyroid scan with 99mTc, Radioactive iodine-131 therapy)	...	1,667

DEPARTMENT OF NEPHROLOGY

Principle Activities :

Teaching : Undergraduate : M. B. B. S., Physio & Occupational Therapy.

Post-graduate : D. M. & Diplomate of National Board in Nephrology & M. D. Medicine, M.Sc. & Ph.D. (Applied Biology).

The Department was recognised as an independent post-graduate Department for D. M. Course in Nephrology & since then a total of 4 students have registered for D. M. Course in Nephrology. Besides this 5 of them are being trained for Diplomate of National Board in Nephrology. The staff members i. e. Dr. V. N. Acharya & 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. There are 5 students doing HISC & Ph. D. with Dr. V. N. Acharya.

Clinical :

The department carries out its OPD service in the following 4 out-patients that is 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 Clinical 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 two more out-patient Sections have been started functioning in the department.

(iii) The Nephrology OPD is run on Tuesday morning between 9.30 a. m. to 12.30 p.m. noon.

(iv) The Renal Transplant Clinic is run on Thursday morning between 9.30 a.m. to 11.30 a.m. In these clinics bacteriology of urine, diet advise, 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 study year.

The Indoor patients of the department have a total of 34 beds assigned between ward No. 34, 34A, ward No. 12 and Ward 4.

No. of New & Old Cases treated during the year :

A total of 7,481 patients were seen in the above various Out-patients clinics run by the department, the breakup of which is as follows :

1) Renal clinic and Renal Diabetic Clinic.	393	2,883
2) Renal Transplant Clinic.	...	500
3) Nephrology OPD.	781	2,924
Total :	1,174	6,307

No. of Admissions during the year to the department :

A total of 1700 admissions were done distributed over 34 beds. It may, however, be noted that a large number of dialysis were done on out-patients basis and then admitted in day Care beds.

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 Culture.	...	4,079
Mid stream urine samples.	...	3,888
Catheter samples.	...	191
Bladder puncture samples.	...	96
2. Blood cultures.	...	85
3. Miscellaneous cultures	...	990
Swabs from woun & other.	...	339
Peritoneal fluids.	...	651
4. Australia Antigen detection.	...	226
5. Immunoglobulins & Complement determination.	...	87
6. Prothrombin time estimation.	...	263

In the Bio-Chemistry Section housed in Lab. 44, the following No. of investigations were done :

1. Haemogram.	...	10,160
2. Urine analysis (R—) 24 hrs protein—	...	9,020
...	...	5,200
3. Renal Profile (Plasma BUN, Creat, Sodium, Potassium, Chloride & Bicarb.)	...	15,230
4. Liver function tests.	...	15,230
5. Bone Profile (Calcium, Phosphorus, Alk, P) 4 ase.	...	1,110
6. Serum & Urinary Uric acid.	...	270
7. Blood sugar.	...	8,584
8. Creatinine clearance.	...	320

No. of Operations or procedures carried out if any (with details break-up) :**Minor Operations :**

Kidney biopsies.	...	222
Fine Needle Aspiration.	...	62
Cytology (FNAC).	...	...
A—V shunts.	...	220

Major Operations :

Hemodialysis.	...	2,679
Peritoneal dialysis.	...	405
Total	...	3,084
Plasmapheresis.	...	25

Very Major Operations : Kidney Transplantations—

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 Wd. 34A for a period of 3-4 weeks each after transplant.

Any other information like creation of new facilities, purchase of New equipment.

This year has been Silver Jubilee year of the Department and such the Scientific Activity has been stopped up to an enormous extent starting from 2 oration lectures in January 88 :

1. The Annual Motashaw Oration was delivered by Prof. Peter Uldall from Toronto University Hospital. Cannada followed by a talk on Slow continuous methods of Blood purification for critically ill patient of Acute Renal Failure.

2. Dr. Carl M. Kjellstrand, Prof. & Chief. Divn. of Nephrology of Karolinska University, Sweden, talked on Dialysis and transplantation in diabetic subjects.

Since then attempts have been made to establish this form of therapy in the department.

DEPARTMENT OF GASTROENTEROLOGY

Principles activities :

Teaching :

Undergraduate : The Department participates in the lecture series for undergraduate students as part of the programme of the Department of Medicine.

Postgraduate : The department participates in the lecture series, bedside clinics and clinical conferences under the Department of Medicine Programme. In addition, we conduct bedside clinics, histology, medico-surgical and radiology sessions, journal club and subject review sessions every week for the postgraduate and postdoctoral students in the Department of Gastroenterology.

Clinical service : All diseases pertaining to the gastrointestinal tract and hepatobiliary system are treated in this Department. Liaison 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 procedure (routine and emergency), including esophageal variceal sclerotherapy and ERCP.

O. P. D. Cases :

New	...	...	...	1,728
Old	...	...	...	1,384
Admissions	...	...	...	216

Laboratory Investigations :

Hamogram, liver function tests, serum amylase, routine stools, examination, fecal fat, D.xylose absorption carried out by attached laboratory for the department.

Procedures :

Upper G. I. Endoscopy (Diagnostic)	...	3,427
Endoscopic variceal sclerotherapy.	...	700
ERCP (diagnostic & therapeutic)	...	144
Laparoscopy.	...	5
Sigmoidoscopy.	...	128
Colonoscopy	...	42

DR. J. C. PATEL DEPARTMENT OF HAEMATOLOGY

Principal activities :

(a) **Teaching :** Post-graduates : Ward rounds twice a week slides sessions twice a week.

Undergraduates : Lectures—12 per year.

(b) **Clinical Service :** Investigations and treatment of various haematological disorders which include Iron deficiency anemia, megaloblastic anemia, aplastic anemias, leukemias, bleeding disorders, hemoglobinopathies, thalassemias, ITP, AIHA, etc.

(c) **Research :** (i) Collaborative study of Hemophilia Financed by ICMR.

(ii) Effect of Danazol on F VIII levels in hemophiliacs.

(iii) Tissue effects of iron deficiency.

(iv) Interaction between thalassemia and nutritional anemias.

No. of new patients attending O.P.D.	...	1,309
No. of old patients attending O.P.D.	...	4,339
No. of Admissions.	...	155

No. of Investigations :	...	1,894
Hemoglobin.	...	1,894
Packed cell volume.	...	1,864
Reticulocyte count.	...	1,722
Giemsa stainings.	...	1,722
Total WBC counts.	...	1,722
Differential WBC counts.	...	17
LE cells.	...	54
Erythrocyte sedimentation Rate.	...	311
Bone marrow aspirations.	...	267
Bone marrow iron stains.	...	49
Urine hemosiderin.	...	87
Surcose lysis test.	...	
Hemoglobinopathies :	...	1,987
Screening test.	...	52
Complete osmotic fragility.	...	626
Fetal hemoglobin.	...	842
Hb electrophoresis.	...	654
Sickling test.	...	648
Serum iron.	...	648
Total iron binding capacity.	...	648
Transferrin saturation.	...	
Coagulation tests :	...	300
Bleeding time.	...	300
Clotting time.	...	329
Prothrombin time.	...	382
Partial thromboplastin time.	...	200
Thrombin time.	...	158
Thromboplastin generation test.	...	300
Clot retraction.	...	10
PF3 availability.	...	30
Factor VIII antibody screening.	...	2
Factor VIII antibody quantitative.	...	485
Factor VIII assay.	...	10
Factor IX assay.	...	300
Factor XIII (Quantitative).	...	30
R. V. V. time.	...	
Liver Function tests :		
Bilirubin.	...	200
SGOT	...	200
SGPT	...	200
Alk. Phosphatase.	...	200
Total protein.	...	200
Albumin.	...	200
Anti-tetanus antibody titre.	...	200
HTLV3	...	130
Other tests.		
Sr. Ferritin.	...	700
Anti-idiotypic antibody titre.	...	200
Circulating immune complex.	...	200
Immunoglobulins titre.	...	200

DEPARTMENT OF CARDIOLOGY

Principle activities : Unit—I Dr. A. S. V.

Teaching : Undergraduate : Lecturers on different subject of Cardiology are taken by staff members for undergraduate students.

Postgraduate : Clinical rounds made by staff members with PG students and residents.

Department Conferences : 2 per week for postgraduate training.

Inter department conferece with surgeons for PG training & clearing surgical cases. Inter Hospital conferences : once/month arranged by Dept., of Cardiology of teaching hospital of Bombay in turn and of Cardio-vascular and Thoracic surgeons.

Cardiological society of India (Bombay Branch) conference : 3-4 yrs. National and International speakers of reputations are invited to speak on 'update cardiology'.

CSI—National Conference—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 echochardiographic studies with doppler assessment, computerized and regular stress tests, Holter monitoring are done.

No. of New Cases.	...	6,334
No. of Old Cases.	...	10,857
No. of Admission during the year.	...	4,045

No. of Investigations carried out :

E. C. G.	...	5,845
Treadmill Stress Test.	...	424
Computerised Stress Test.	...	198
Catheters and Angio.	...	600
Balloon Dilatation.	...	52
PTCA	...	5
2-D Eche.	...	1,400

No. of Operations or procedures carried out if any :

Rehabilitation Programme :		
a) Occupation Therapy—	...	236
b) Physiotherapy.	...	1,235
Cardiopulmonary Resuscitation.	...	300

Invasiv Studies :

—His Bundle Electrocardiography.	...	20
—Transvenous Bedside pacing.	...	207
—Permanent Pacemaker Implantations.	...	12
—Bedside Haemodynamic studies.	...	107

Cardiology Unit-II Dr. P. A. Kale

Principle acitivities :

Teaching : Undergraduate : Clinic for students & Lectures on various topics of Cardiology to undergraduate students.

Postgraduate : Clinics for students, Hemodynamic, interventional cardiology procedures, work in Cardiac Cath. Lab. & conference.

Clinical Service : Nature of diseases treated in the department (briefly)—All Paediatric & Adult cardio-vascular disorders.

No. of New cases.	...	6,334
combine I & II		

10 No. of Old cases.... 10,857

No. of admissions during the year.	ICCU—	...	611	units.
	Wd—32	...	1,026	
No. of investigations :	2—D Echo—	...	1,395	
	Stress test.	...	370	
	ECGs	...	4,361	
No. of Operations or procedures :				
Cath. Angio.		...	553	
Coronary angioplasty.		...	6	
Balloon dilatation.		...	85	
Pacing : Temporary.		...	42	
	permanent.	...	19	
SNRT		...	31	
Telemetry.		...	8	
Cardiac Rehabilitation :				
Physiotherapy.		...	1,077	
Occ. Therapy.		...	291	
Other information : Started interventional Cardiological procedures.				

DEPARTMENT OF UROLOGY

Medical Education :

Undergraduate teaching : A series of 10 lectures are delivered every term to batches of undergraduate students to teach common urological problems.

Post-graduate teaching : A great emphasis is given to teaching Post-graduate students preparing for M. Ch. (Urology) & for D. N. B. E. A total No. of 91 teaching sessions were carried out during the year 1988. These sessions included clinical lectures, clinical case presentations, journal reviews, morbidity meeting, Quiz programmes, uro-radiology, uro-nephrology meetings etc.

Medical care :

Total No. of admissions.	...	869
No. of OPD Cases. New	...	1,195
(Urology). Old.	...	4,182
No. of Infertility cases :		
New	...	1,057
Old.	...	3,699
No. of Urinary stone cases :		
New	...	278
Old.	...	869
Open Surgery :		
Major.	...	158
Minor.	...	292
Transplant.	...	22
Abandoned Transplant.	...	1
Microsurgery.	...	61
	Total : ...	534
Percutaneous :		
PCN	...	8
PCNL	...	16
Staged PCNL	...	15
Percut. Choleldocho. Lithotripsy.	...	1
	Total : ...	40
Endoscopic :		
TURP	...	138
TURB	...	17
OTIS—VIU	...	123
Stone Crushing.	...	48
Others.	...	29
	Total : ...	355
Diagnostic Scopy.	...	1,600
Laboratory (No. 40) :		
1. Semen Analysis.	...	2,030
2. Testicular Biopsies.	...	129
3. Urine Culture (OPD)	...	1,400
4. Urine Culture (Ward).	...	703
5. Urine Routine.	...	168
6. Haemogram.	...	462
	Total : ...	4,892
Biochemistry :		
1. Renal Chemistry.	...	324
2. Blood sugar.	...	132
3. Uric acid.	...	175
4. Ca/P	...	11
5. Acid Phosphatase.	...	25
6. SGOT/SGPT	...	11
	Total... : ...	1,405

DEPARTMENT OF PLASTICSURGERY.

	No. of Patients attended.
1. Weekly out-patient Clinic held every Thursday.	1,041
2. Follow up Clinic conducted by the Professors-Thrics a week.	1,947
3. Patients referred from other Departments.	688
4. The feeding guidance clinic held every Sunday morning for cleft lip & palate patients.	358
5. Keloid clinic for Kenacort Injections every Thursday.	308
6. Patients referred from Casualty Deptt.	3,169
7. Indoor patients admitted in Wd. 16 & 16A.	655
8. Patients treated in Burns Unit.	125
9. Operative pcedures carried out in Plastic Surey Theatre.	2,774
10. Emergency procedures carried out in M.O.T.	323
11. Outdorr dressing carried out in the Deptt.	4,470

DEPARTMENT OF RESPIRATORY MEDICINE & ENVIROMENTAL POLLUTION & RESEARCH CENTRE.

Principal Acitivities :

a) **Teaching :** This dept. teaches undergraduate students in respiratory medicine and T. B. (divided as batches for 2 weeks) in a 3 yrs. training period. In this there arte clinical teachings, demonstrations and classroom lectures (6 per semester). The Deptt., does postgraduate teaching for M. D. (Resp. Dis.) students twice a week, clinical meeting once a week, radiology meeting once a week & clinical teaching rounds.

b) **Clinical Services :** This dept., runs out-patient clinic 3 times week, runs an indoor ward of 30 beds with respiratory intenstive care unit of 5 beds. These beds deal with investigation and treatment of various lung diseases and complications including chronic bronchitis, bronchial asthma, bronchiectasis, acture lung infections, lung cancer, respiratory failure, respiratory paralysis, centre respiratory weakness, posttraumatic respiratory problem, respiratory failure following poisoning interstitial lung disease, pneumoconiosis, inhalational lung toxicity and T. 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.

No. of Investigations carried out in the laboratories :

Blood gas : Ward Samples.	9,300
Artery puncute study.	363
Catheter samples.	2,338
Pulmonary Function Test :	
Old & Indoor patients.	1,521
Research patients.	130
Community subjects.	1,770

DEPARTMENT OF NEUROLOGY

Clinical Service : Out patients—New cases & follow Up

Teaching :- Undergraduate : 8 to 6 lectures every 3 months.

O. T./P. T. Students—40 lectures per year.

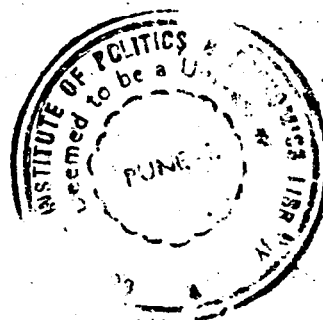
Postgraduate :

- 2 clinical clinics,
- 1 Neuroradiology meeting,
- 1 Neurophysiology meeting,
- 2 Neuropathology meetings.

There are also combined lectures and meetings between Neurology & Neurosurgery Deptt.

O. P. D. New Cases :

Neurology	1,898
Epilepsy.	1,539
Indoor Admissions :	
Referrals cases.	900 approximately.
E. E. G.	1,496
EMG/NG	538
Evoked Potentials.	135



DEPARTMENT OF NEUROSURGERY	
Total No. of Out-patients.	6,006
New cases.	2,702
Old cases.	3,304
Total No. of Admissions.	884
Total No. of Referral patients.	2,515
Total No. of Investigations.	1,659
Total No. of Operations.	876

DEPARTMENT OF PAEDIATRICS	
Indoor Patients (total)	3,495
Male.	2,109
Female.	1,386
O. P. D. Patients :	
New bonns : Ward-I-ICU Admissions.	322
Total No. Deliveries.	4,137
Live Births.	4,036
Still birth.	101
Perinatal mortality.	39.215
	per 1000 live births.
Neonatal mortality.	35.4
	per 1000 live births.

Speciality OPD Attendance :

Unit—I—Genetic Clinic (New cases).	1,148
—High risk infant OPD(BOH).	524
	1,141
Unit—II—Pediatric Chest Clinic.	69
—Pediatrics Gastroenterology Clinic	484
	35
	120
Unit—III—Pediatric Rheumatology :	44
Nephrology :	542
	43
	366
Well Baby Clinics (3-Units) :	2,100
	7,500

Urban Health Centres :

1. Gandhinagar Slums—Registrar Unit-I visits every Thurs. afternoon.
2. Prabhadevi Child Welfare Centre—Unit-II : twice a week visits by Asso. Hon. Prof./Reader/Reg.
3. Naigaum Child Welfare Centre—III : twice weekly visits by Prof./Lec. : Joint Undergraduate teaching programme by pediatrics & P. S. M. Deptt.

School Health Clinic :

Under this programme, Children from Municipal wards F & G. are transported to K. E. M. Hospital for regular check-up, investigations and treatment, held from 1.00 p.m. 3.00 p.m. on all days except Saturday. All 3 units are involved.

Undergraduate teaching programme :

- 3 months posting in pediatric at III MBBS.
- 60 Didactic Lectures, 50 ward clinics, 25 emergency day attendance, evening clinic by Registrar on emergency day, case records.
- Evaluation at the end of term : Theory 100 mrks case & Viva 100 mark.

Postgraduate teaching programme :

1. University Lecture Series on Neurology & Genetics-Oct./Nov. 88.
2. C. M. E. Programme by Bombay Branch of IAP-April'88.
3. Pediatric Interhospital Clinic meeting-every 3rd Friday.
4. Death Conference (Clinico Pathological)-every month.
5. Journal Club once a month.
6. Unitwise postgraduate Seminar.
7. Clinico Radiological Meeting every Wednesday-Dr. Ravi Ramchandani and Postgraduate in Radiology.
8. Series of 10 lectures & 5 practical demonstrations in Pediatric Dermatology--Dr. D. A. Parikh (Reader Dermotology).

Pediatric Research Laboratory :

1148 new cases were seen in Genetic Clinic which is higher than any other previous year; with reference from all city hospitals-public & private and from outside the city, from other clinics in Maharashtra. Referrals have also come from other states.

One M. Sc. student has been registered under Dr. N. B. Kumta, One previous M. Sc. student has completed thesis and submitted and accepted, on subject " Stool Electrolytes in childhood Diarrhoea and Rotainers in stool".

Prenatal diagnosis of Down Syndrome and other Chromosomal disorders from amniotic fluid is well standardised and in use.

Division of Neonatology :

Perinatal & Neonatal mortality was further reduced in this year. New equipment installed included glucometer, HO2 meter, neonates Bird Respirator. Intermediate ICU has been created in ward 14A for babies moving out of critical case.

Pediatrics Research Laboratory :

1) Leucocyte seperation.	...	81
2) Leucocyte Lysatep Seperation.	....	81
3) Protein by Lowry's method.	...	81
4) B—Hexosaminidase (total).	...	81
Leucocyte	...	81
Villi.	...	7
5) B-Hexoseminidase% of a Leucocyte.	...	81
Plasma.	...	81
6) B — Hexosaminidase EPP.	...	81
7) B—Galactosidase (Leucocyte)	...	81
(Villi)	...	7
8) Aryl SO 4 ase (Leucocyte)	...	81
(Villi).	...	7
9) B—Glucorunidase (Leucocyte).	...	9
10) B—Glucosidase.	...	—
11) D—Galactosidase.	...	—
12) 2 B—galactosidase (Krabbe's).	...	—
(Leucocyte under trial).	...	—
13) Sphingomyelinase.	...	12
14) L-Fucosidase.	...	10
15) D—Manosidase.	...	10
16) N—Aceryl glucosaminidase (Plasma).	...	12
17) RBC glycogen.	...	4
18) Oilgosaccharides.	...	51
19) Mucopolysaccharides EPP.	...	162
Plasma and Urine Amino acid chromatography (Interpretation).	...	

ess.

1) Aminocaidogram (Plasma, Urine).	...	2,116
2) Porphyrine (Blood, Urine).	...	1,008
3) Sugar chromatography.	...	1,002
4) T. L. C.	...	2,051

M. R. Tests :

1) FeC13 tests.	...	2,116
2) Benedict's test.	...	2,116
3) Cynide nitroprusside tests.	...	2,116
4) 1.2 Nitrosonaphtol tests.	...	2,116
5) Alcian Blue Spot tests MRS/MPS.	...	1,008
6) Toludine Blue Spot Tests MRS/MPS.	...	1,008
7) C. T. A. B. turbidity tests.	...	1,008
8) D. N. P. H. tests.	...	2,116
9) Isatin tests.	...	—
10) Ninhydrin tests.	...	2,116
11) P. Dimethyl Aminobenzaldehyde tests.	...	2,116
12) Conc. H2 So4.	...	2,116
13) O. Toludine tests.	...	1,008

M. P. S. :

1. Albumin turbidity tests.	...	989
2. C. P. C. Turbidity tests.	...	989
3. E.P.P. for differentiation.	...	162
4. Quant. estimation of MPS	...	547
5. Alcian blue spot test.	...	1,008
6. Toluidine spot tests for MRS/MPS.	...	1,008
1. Ammonia.	...	250
2. Bilirubin Total & Direct.	...	348
Indirect.	...	450
3. Cholesterol.	...	186
4. Creatinine (Serum & Urine). Serum.	...	562
Urine.	...	70
5. Copper.	...	210
6. Ceruloplasmin.	...	210
7. Sweat chloride.	...	8
8. Calcium (Serum, Urine)—	...	866
Serum.	...	866
Urine.	...	50
9. Hair bulb test.	...	10
10. Phosphorus (Serum, Urine)	...	681
Serum.	...	681
Urine.	...	37
11. Proteins & protein EPP —	...	1,000
Protein.	...	1,000
Prot. EPP.	...	170
12. Uric Acid.	...	70
13. Lactic Acid (Blood).	...	65
14. Alkaline phosphatase.	...	911
15. Hb-EPP.	...	269
16. Hb-A2	...	269
17. Fe TIBC.	...	170
18. G-6 PD.	...	25
19. Sickling.	...	98
20. Urine Albumin.	...	220
21. Creatine clearance.	...	30
22. SGOT, SGPT.	...	—
23. Blood sugar.	...	305
24. Osmotic fragility incubated.	...	87
25. Urinary Copper.	...	73
26. CSF Lactic Acid.	...	56

CYTOGENETICS :

1. Chromosomal studies.	...	318
2. Barr Body studies.	...	146
3. Y — Chromatin studies.	...	18
4. Chorionic villus sampling.	...	—
5. Skin Fibroblast culture.	...	8
6. Amniotic cell culture.	...	9

Paed. G. I.—OPD :

New patients.	...	38
Old patients.	...	120

Naigaum clinic : Attendance.

Home visits.	...	3,054
New Infant registered.	...	1,401
Previous Toddlers.	...	97
Became toddler.	...	800
Total No. of deliveries.	...	88
	...	873

Immunization :

	Ist	IInd	3rd	Booster	Total
Tripal.	440	374	320	218	1,352
Polio.	465	408	325	218	1,416
O. T.					65
Measles.					209
D. T.					108
B. C. G.					801
Vitamin A :	463	1,498			1,961
Tonics given.	264	2,007			2,271

Milk Clinic : Daily 20 liters Milk supply to Children—Reffrals to K. E. M.	1,234
Skin. ...	36
ENT. ...	19
Medical. ...	18
Surgical. ...	10
Total : ...	83

Investigations :								
CBC	HB	ESR	URINE	STOOL	Screening	X-ray	Total	
69	65	25	57	39	18	21	294	

Health Education	
No. of classes.	46
Mother attended.	1,603

Nutrition class :	
NO. of classes.	24
No of mother attended.	1,170
Medical students.	188
Nursing students.	50
Milk powder : 1st	50
Re-185	
Film show	
No. of mother attended.	400
Total :	235

School Clinic Statistics : Dr. P. W. Kandoth's Unit :

I) Alimentary System :

Pain in abdomen.	20
Prolapse rectum.	—
Worms.	47
Anorexia.	5
Vomiting.	3
Loose motions	12
Constipation.	—
Amoebiasis.	5
Hepatosplenomegaly.	1

II) Respiratory System :—

URTI	45
Asthmatic Bronchitis	6
Pneumonia.	8
Kochs.	19

III) Cardiovascular system :—

Congenital heart disease.	3
Rheumatic heart disease	—
For investigations.	—

IV) Renal :

Urinary tract inf.	10
Acute nephritis.	—
Chronic nephritis.	—

V) Lymphnodes :

Tuberculous lymphadenitis.	20
Non-specific.	18

Miscellaneous :

Eosinophilia.	15
Allergic manifestations.	—
Cellulitis/Abscess	3
Burns.	—

VIII) ENT :

Otorrhoea.	27
Tonsillitis.	52
Decreased hearing.	1
Vertigo,	—

VIII) DENTAL :						
Caries.	...					38
IX) OPHTHALMOLOGY						
Squint.	...					—
Diminished vision.	...					19
Conjunctivitis.	...					6
X) CNS :						
Epilepsy.	...					2
CP	...					1
Headache.	...					4
Old poliomyelitis.	...					1
Poluneuritis.	...					—
Dermatomycosis.	...					—
Speech problems.	...					4
Facial palsy.	...					—
XI) NORMALS.	...					—
XII) ANIMAL BITE	...					5
XIII) CONG. ANOMALIES	...					—
XIV) PUO :	...					—
XV) ENDOCRINE						
Goitre.	...					6
XVI) JOINTS						
Joint pains.	...					3
XVII) SKIN						
Scabies.	...					33
Keloid.	...					—
Pediculosis.	...					4
Pyoderma.	...					4
Lypus vulgaris.	...					—
Eczema.	...					—
Hypopigmented patches.	...					1
XVIII) PSYCHIATRY :						
Scholastic backwardness.	...					—
MR	...					—
Nocturnal enuresis.	...					3
Others.	...					1
XIX) NUTRITION						
Anemia.	...					19
Vit. A	...					47
Vit. B.	...					—
Vit. D.	...					2
Vit. C.	...					—
PEM	...					5
XX) BONY DEFORMITIES.						
Orthopaedic problems.	...					4

WELL BABY CLINIC—VACCINE :

WELL BABY CLINIC—VACCINE :

ORAL POLIO :	2,914	2,010	1,509	997	723
D. T. P.	1,871	1,462	1,069	—	—
BOOSTER	378	160	—	—	—
MEASLES	397	—	—	—	—
B. O. H. attendance.				New	Old.
Premature.	...	...	...	147	426
LSCS	...	...	...	116	254
FORCEPS	...	...	...	75	148
BREECH	...	...	...	6	18
MIS	...	...	...	107	170
L. B. W.	...	...	...	—	3
B. A.	...	...	...	59	97
LVF ET	...	...	...	15	26

PRABHADEVI MAT.

HOME :

Milk Distributions.	Morning.	...	...	...	4,169 Ltrs.	
	Evening.	...	...	...	580 Ltrs.	
				New	Old	
Nutrition cases.	...	...	...	56	2,250	
Clinic Visits.	...	...	217	305		
Home visits.	...	...	...	1,008	433	
Attesting of milk.	...	...	...	...	779	
B. C. G.	...	...	...	...	2,394	
Measles.	...	...	...	...	545	
	I	II	III	IV	V	Booster.
INJ. TRIPLE	940	758	745	—	—	615
ORAL POLLO	1,399	958	779	738	631	762
127	98	6	—	—	—	—
M. T.	12	—	—	—	—	—
INJ. T. T.	1,869	1,304	—	—	—	—
VIT. Ist.	475	—	—	—	—	—
A RE	1,134	—	—	—	—	—
Sterilization.	378	—	—	—	—	—

DEPARTMENT OF DERMATOLOGY & VENERELOGY.

Principal Activities :

1. Undergraduate :

- Case demonstration,
- Clinic,
- Leprosy lectures,
- S. T. D. lecturers,

2. Postgraduate :

- P. G. Clinic,/case discussion/surgery clinic,
- Ward rounds & discussion.Vitiligo clinic,
- Histopathology session,
- Journal club/seminar.

3. Nursing lectures.

4. O. T. & P. T. Lectures.

Clinical Services :

- Nature of disease treated in the department.
- Skin diseases together with sexually transmitted diseases.
- Leprosy diseases.
- The common skin conditions,
- Pyodermas, skin infestations, pigmentary disorders Eczemas, fungal and viral infections of the

skin Non-gonococcal urethritis & leprosy.

Special Clinical :

- Surgery, Vitiligo, Psoriasis & Leprosy Clinic.

Research :

- Titles of Research projects.

1. Prognostic evaluation of the various treatment of pemphigus vulgaris using new scoring system.

1. Prognostic evaluation of the various treatment of pemphigus vulgaris using new scoring system.

	New	Old.
No. of New & Old cases :	50,900	30,642
No. of New & Old Leprosy Cases :	466	4,234
No. of Admissions.	...	436
No. of Investigations carried out in the laboratories :		
Urethral Smear (TS/PS/VS/CS).	...	264
Biopsy.	...	513
V. D. R. L.	...	1,292
Allergy patch tests.	...	95
Skin snips for A. F. B.	...	
No. of Operations :		
Electro-cautery.	...	625
M. C. Removal.	...	567
chemical Cautery.	...	368
Gryosurgery.	...	78

MYCOLOGY SECTION :

	...	1,145
Total Scraping done.	...	467
Cultures done out of which.	...	70
T. Corporis.	...	20
T. Cruris.	...	12
T. Barbae.	...	32
T. Capitis.	...	22
T. Pedis.	...	6
T. Axillaris.	...	9
T. Manum.	...	15
Onycogingivitis.	...	42
Moniliasis.	...	9
Mycetoma.	...	
Deep mycosis including CSF, Sputum, PUS.	...	230
Fluids, Gastric lavae, Biopsies etc. for cultures.	...	120
Ophthalmic scraping & cultures sent from theatres.	...	
Bacteriological & fungal studies in washing from sinucitis cases.	...	10

Stains, routine media & special media are prepared in the laboratory.

SCHOOL CLINIC :

No. of cases treated in the Skin department :		
1.	Scabies.	35
2.	Tinea Versicolor.	19
3.	Leprosy.	20
4.	Vitiligo.	8
5.	Eczema.	19
6.	Pyoderma.	25
7.	Lichen Planus.	3
8.	V. Vulgaris.	2
9.	Molluscom Contagiosum.	7
10.	T. Corporis.	6
11.	Urticaria.	3
12.	Itchyosis.	5
13.	Psoriasis.	1
14.	P. Alba.	83
15.	P. L. E.	3
16.	P. Sinos.	1
17.	Fissuring.	4
18.	Pitiriasis Rosia.	3
19.	Cutaneous Kochs.	1
20.	Prinoderma.	8
21.	Freckles.	1
22.	Insect Bite.	1
23.	Naevi.	3
24.	Scar.	2
25.	Xerosis.	1
26.	Hair loss.	1
27.	Mucosal-cyst	1
28.	Hyper-Hidrosis.	1
29.	Post inflammatory hypo-pigmentation.	6
30.	Keloid	1

DEPARTMENT OF PSYCHIATRY

Treatment Programmes :

O. P. D.—The department operates daily out-patients services.

1. **Drug Therapy** : Most of the essential psychotropic durgs are available free of cost in the hospital pharmacy for the O.P.D, patients when stocks are available. Indoor patients receive the durgs which are on schedule at the hospital.

2. **Abreiative therapies** : These are offered to suitable patients in the morning sessions. Technique used are carbon dioxide therapy and the use of sodium pentothal and hypnosis.

3. **Electroconvulsive Therapy** : The E. C. T. services runs every day in the morning for OPD & Indoor patients, in the deptt. of psychiatry.

4. **Psychotherapy (Individual & Group)** : Offered to suitable in the morning & evening sessions.

5. **Behaviour therapy clinic** : Behaviour therapy is carried out in selected patients.

6. **Group Psychotherapy for sexual problems of males** : Sex Education and Therapy clinic is conducted twice a week in the evening.

7. **Child Guidance Clinic** : This service is offered to the children suffering from psychiatric problems. It is conducted four days a week during mornings or afternoons.

8. **Occupational Therapy** : All the indoor patients and selected O. P. D. patients attend the occupational therapy department.

9. **Lithium therapy clinic** : Patients on long term lithium therapy are treated and followed up in this clinic.

10. **Biofeedback** used for psychosomatic illness e. g. tension headache, asthma, tachycardia etc. is carried out by the senior technician.

11. **Deaddiction Programme** : Facilities for the diagnosis and treatment of patients suffering from substance abuse disorders (alcohol, cannabis, opium etc.) have been developed on out-patient as well as in-patient basis. Patients are evaluated to determine whether the alcohol and/or drug dependence is of a primary or a secondary variety and whether it has resulted into Medical/Psychiatric Social and violent deterioration. Patients are encouraged to attend the O P D for follow-up and treatment, on a regular basis. Some patients are admitted for detoxification as well as the treatment of complications. Patients suffering from alcoholism are treated with group psychotherapy (once a week session) family counselling, disulfiram therapy and yoga therapy. Alcoholic patients also attend meetings of Alcoholics Anonymous which are conducted in the department on a twice a week basis. Liaison is maintained with the referring agencies (doctors, welfare officers in the industry, social workers) to ensure better compliance to the treatment by the patients and longer follow-up.

EDUCATIONAL ACTIVITIES :

1. **Postgraduate** : Twelve students were registered for D. P. M. and six students for M. D. (Psychiatry) during the last year. Emphasis is on active learning in postgraduate studies.

A : Clinical discussions are conducted twice a week. The indoor psychiatric cases are discussed by residents in training, clinical psychologists, psychiatric social workers, occupational therapists and nurse in charge. The consultant psychiatrists supervise, help in the diagnosis making process and in formulating a therapeutic plan.

B. Post-graduate seminars : are held once a week.

C. Journal Reviews : are held twice a week.

D. Guest lectures : by visiting professors as well as by staff members of other departments are held periodically.

E. University Lectures : are taken once a week by post-graduate teachers of the University as per programme.

F. Theses : The theses were submitted and accepted by the University of Bombay for M. D. (Psychological Medicine) Exam.

II. Undergraduate :

A. Didactic lectures on psychiatric topics are taken by the Honorary Professors and Lecturers.

B. Undergraduate students are posted in psychiatry department for a period of one month as part of their clinical training. During their psychiatry term they attend the OPDs of the respective unit where clinics are taken by honoraries. Ward round and lecture demonstrations are taken by Honoraries and Residents on the indoor days. Ward work includes taking history of indoor cases and their follow up under the guidance of residents and honorary staff. The students are also exposed to the various treatment methods (viz. ECTs, insulin therapy) used in Psychiatry.

III. **Parapsychiatric students** : Lecture programme and clinics are held for occupational therapy, physiotherapy, nursing students, Bombay University post-graduate psychology students (M. Phil, Ph.D.— Clinical Psychology, M. A. Clinical Psychology) student social workers from the Tata Institute of Social Sciences, students clinical psychologists and B.Sc. and M. Sc. University student of SNTD and students of Nirmala Niketan attend the department for clinical field work training. Students of Medical Electronic Engineering from Bhagubhai Mafatlal Polytechnic Institute attend the department for lectures on electrophysiology.

IV. **Continued Education** : Department hosted Bombay Psychiatric Society Meetings by rotation.

V. **Health Education** : Members of the department published popular articles, gave talks on stage, radio and television, participated in symposia, with a view to promote a better understanding of psychiatric illnesses and patients in the general public.

No. of patients offered various services :	No. of pts.
1. New patients seen in OPD.	7,726
2. Follow-up OPD visits.	34,100
3. Indoor admissions.	2,214
4. Electroconvulsive therapy (ECT).	612
5. Modified Insulin therapy.	—
6. Carbon dioxide abreactive therapy.	—
7. Behaviour therapy.	60
8. Alcohol group therapy.	550
9. Child Guidance clinic.	150
10. Sex education therapy.	610
11. Occupational therapy—OPD cases.	550
Ind. cases.	1,980
12. Biofeed back therapy.	1
13. E. M. G. tracings.	Nil.
14. Electroencephalograms (EEG).	1,123
15. Workload of clinical psychologist Psychological testings :	
(a) Rorschach.	623
(b) M. M. P. I.	781
(c) Intelligence tests (I Q & S Q)	889
(d) TAT & CAT	120
(e) B. G. and WMS	415
(f) Miscellaneous (TMAS, HARS, HPRSD, HQQ, MRS).	151
16. Workload of Psychiatric Social Worker :	
(a) Collection of Socialdata.	758
(b) Social case work—short term.	522
—long term.	252
(c) Brief Psychotherapy.	20
(d) Family therapy.	38
(e) Marital counselling.	68
(f) Orientation to parents of mentally retarded children.	117
(g) Referral to school for mentally retarded.	38
(h) Free drugs supplied to patients.	226
(i) Fund arrangement for poor patients requiring expensive investigations (E. G. CT Scan etc.).	55

DEPARTMENT OF RADIOLOGY :

Procedures.	No. 10 KEMH	No. 53	Orth. Centre.
1. Angiogram, four vessel.	24	—	—
2. Angioplasty.	—	40	—
3. Aortogram.	16	344	—
4. Arteriogram :			
a) Cerebral	523	18	—
b) Peripheral.	—	147	—
c) Spinal.	7	12	—
d) Visceral.	—	141	—
5. Arthogram	—	—	7
6. Bead chain Cystography.	—	1	—
7. Biopsy :			
a) Percutaneous fluoroscopic.	—	47	—
b) Transjugular, liver Ultrasonographic.	—	2	—
	—	50	—
	—	76	—
8. Bronchogram.	—	—	—
9. Cavitograms.	30	—	—
10. Calculus, Biliary, percutaneous removal.	—	9	—
11. Cavernosography.	1	—	—
12. Cholangiogram, transhepatic.	—	14	—
13. Cholangiogram, T Tube.	45	—	—
14. Cholangio-pancreatogram.			
endoscopic, retrograde.	86	—	—
15. Cholecystogram, oral	97	—	—
16. Cisternogram, Myodil.			
Conray studies of the G.I.T.	35	—	—
17. Cystogram, renal.	—	1	—
18. Cystourethrogram, micturating.	371	—	—
19. Distal Cologram.	22	—	—
20. Dilatation, Urethra.	—	—	—
21. Drainage, biliary, transhepatic.	—	20	—
22. Embolisation : transarterial.	—	49	—
transhepatic portal.	—	3	—
23. Enema : large bowel.	359	—	—
small bowel.	14	—	—
24. Esophagogram, barium.	465	—	—
25. Facet Injection.	—	32	—
26. Gastrointestinal—Lower series.	981	—	—
—Upper.	968	—	—
	—	—	—
27. Genitogram.	1	—	—
28. Hysterosalpingogram.	261	—	—
29. Hypotonic Duodenography.	7	—	—
30. Lymphangiogram.	—	22	—
31. Membranotomy, Venacava.	—	2	—
32. Myelogram.	267	—	191
33. nephrostomy, Percutaneous.	—	89	—
34. Plain radiographs.	101, 505	—	31, 101
35. Pneumoperitoneum.	—	5	—
36. Portogram-Transhepatic.	—	1	—
37. Pyelogram, antegrade.	—	9	—
retrograde.	—	17	—
38. Sialogram.	35	—	—
39. Splenoportogram.	—	82	—
40. Syringiogram.	—	1	—
41. Tomogram.	85	—	—
42. Ultrasonogram.	—	10230	—
43. Ureter, stenting-Antegrade.	—	22	—
44. Urethrogram, retrograde.	106	—	—
45. Urogram, excretory.	1374	—	—
46. Venacavogram.	—	27	—
47. Venogram ; Jugular	—	2	—
Orbital.	—	15	—
Peripheral.	—	105	—
Visceral.	—	12	—
48. Ventriculogram.	—	2	—
Grand Total.	1,07,785	11,659	31,299

DEPARTMENT OF PATHOLOGY :

Principal activities :

- Teaching : (Undergraduates) : IInd MBBS Course.
 Practicals & Lectures : Gen. Pathology, Systemic pathology & Clinical Pathology.
 Revision : lectures & practicals for 3rd term students.
 Lectures : Occupational & Physiotherapy courses.

Post-graduates :

M. D. (Path.) : Post-graduate teaching & training programme consists of postings in various sections of the department such as clinical pathology, chemical pathology, surgical histopathology, neuropathology, cardiovascular pathology, Pediatric path., G. I. Path, & Blood Bank.

In addition, PG students have following assignments, performing postmortems, Carrying out Emergency investigations. Students also participates in teaching sessions, weekly gross meetings and slide meetings, monthly journal reviews and case discussion etc., there are also brain cutting sessions, kidney biopsy meetings, Liver, G-I meetings with the respective clinical staff.

Diploma in Medical Laboratory Technology Course :

10 students per year. The course consists of 18 months. The students attend lectures & practical training in various sections.

I) CLINICAL PATHOLOGY :

Investigations. (Central Clinical Lab., OPD—4, Orth. Centre Lan.)

Types of analysis.	No. of samples.	No. of Investigations.
1. Haematological.	68,675	2,67,963
2. Urinalysis.	38,774	1,16,322
3. Stool.	12,779	25,558
4. C.S.F. & other fluids (d-5/sample).		2,251
5. Fine needle Aspiration cytology	—	1,331
Kidney cytology.	—	150
6. Immunofluorence on Kidney biopsy.	—	110
II) BIOCHEMICAL : Central & Emergency Lab.		
Blood Chemistry BUN, Sugar, LFT Electrolytes, Prothombin time, chemistry of fluids.	74,606	2,47,892

III) ANATOMICAL PATHOLOGY.

	No. of tillues.	No. of Block prepared.	No of slides prepared.
Surgical Histo- Pathology.	9,099	24,621	23,449
Post-mortem histopathology.	2,055	12,729	12,153
HISTOPATHOLO	No.		
Surgical tissue.	417	550	890
Autopsy Brain spens.	371	1,360	1,560
			2,000
			245

NEUROPATHOLOGY LABORATORY :	No. of samples.	No. of investigations
1. Biochemical investigations.	2,184	7,673
2. Haemgrams (average 5 investigations for sample).	1,239	—
3. C. S. F. (average 5 invest. for samples).	709	—
4. Urine sample for special study.	16	—

BOMBAY MUNICIPAL BLOOD CENTRE (BANK)

1. No. of Grouping & Cross matching.	...	23062
2. No. of Bottles collected.	...	20118
3. No. of Blood Fractions :—	Plasma	4329
	Cryo.	913
	F. F. P.	2744
4. No. of HbsAg Testing :—	Rel.	8528
	Vol.	9391
5. No. of Outdoor Vol. drives-127.	...	17919
Blood procurement details :	Opening Balance :	210
Collection from Rel. donors.	...	7968
Collection from Vol. Donors.	...	8683
1. Colleges—	2076	
2. Industries & Offices—	3754	
3. Club & Social Groups—	2853	
Indoor Vol. donors.	...	398
Brought from other Hospital.	...	2859
Blood supplied to various Deptt. :		
1. K. E. M. Hospital.	...	17682
2. Other Hospitals : -	...	1377
Municipal—	596	
Public—	408	
Government—	373	
3. Discarded.	...	833
4. Closing Balance.	...	226

Blood supplied in various deptt., in hospital & Replacement basis :

Deptt.	Blood supplied.	Replacement.
Gen. Surg.	4417	1605
Cardiac Surg. ...409	3466	3023
Medical.	40	28
Orth.	2492	1502
Gynaec.	759	687
Urology.	341	199
Plastic Surg.	366	176
Neuro Surg.	608	594
A. K. D.	655	376
S. G. D.	146	91
BCM	96	33
Paed. Surg.	928	305
Paed. Med.	...	1265
Orther Medicine Department.	1704	624
Total...	17283	9378

Any other information. :

The Plasma fraction unit has started functioning at the 7th floor of the multistorey building.

MOLECULAR BIOLOGY DEPARTMENT.

Teaching : All the teaching staff members are actively participating in the undergraduate teaching of IInd M. B. B. S. students, O. T. P. T. students, D. M. L. T. students & Nursing students. The senior staff members take regular lecture for regular & casual batch students while other teaching staff members also take practical classes for 2nd M.B.B.S. and DMLT students. Professor (Mrs.) Leela Joshi is acting as a guide for M.Sc. & 4 Ph.D. students are working under her for their thesis work.

Clinical Services : Nature of the diseases treated (Briefly). A variety of clinical specimens are sent to our laboratory from various units for bacteriology & antibiotic sensitivity testing. These samples are sent from patients undergoing general surgery operations, diabetic patients & few from gynaecologic cases.

We also receive samples from a few units detection of Mycobacterium tuberculosis from patients presenting with symptoms of genito-urinary tuberculosis.

Similarly we accept blood samples from all the paediatric medicine, nephrology & cardiology units for detection of Anti-Strepholysin-O titres from patients suffering from Rheumatic fever, Rheumatic Heart Disease & Acute glomerulonephritis. Recently we have started doing the Anti-DNase-B titre estimations on a selected group of cases.

In the last year we processed about 1030 clinical samples for bacteriological investigations & the positive samples were further processed for antibiotic sensitivity testing procedure.

About 70 samples of urine were processed for detection of Mycobacterium tuberculosis by AFB smear & culture technique.

Approximately 2500 samples were processed for detection of ASO antibodies & about 350 were also processed for detection of C-reactive protein in the serum. All these patients were also examined for presence or absence of Group A, B-haemolytic streptococci in their throats by throat swab culture.

Research : Titles of Research Projects :

1. Activity of Antibiotic Combination against highly antibiotic resistant hospital strains.
2. "Incidence of Rotavirus in cases of Infantile gastro-enteritis from Bombay".
3. Studies on Group B-Streptococci.
4. Studies on Group D-Streptococci.
5. Pathogenetic mechanism of Group A-Streptococci.
6. Studies on Drug resistance in Proteus.
7. Proteocine typing of clinical isolates of proteus.
8. Bacteriocine typing of Klebsiella strains.
9. ELISA test for diagnosis of tuberculosis in pulmonary & extra-pulmonary infection.
10. Isolation & characterization of R-factors of Proteus.
11. Studies on autotransferable R-factors of Proteus & group D-streptococci.

No. of Investigations carried out the Laboratory.

Bacteriological processing.	:	1030	
Mycobacterial processing.	:	70	
ASO estimations.	:	2500	
CRP estimations.	:	300	
Anti DN ase B estimations.	:	200	cases.
Number of antibiotic sensitivities performed.	:	355	
Number of AFB (Urine) Samples Processed.	:	68	
Number of Samples with positive smear.	:	10	
Number of samples with positive AFB culture.	:	3	
Streptococcal Work :			
1. Number of cases tested for ASLO titre.	:	1174	
Number of samples giving significant titre.	:	725	
2. Number of samples processed for C-reactive protein test.	:	218	
Number of samples giving +ve CRP test.	:	130	
3. Number of Samples processed for Throat swab examination.	:	248	
No. of samples showing presence of B-haemolytic Streptococci.	:	14	

DEPARTMENT OF ANATOMY :

Undergraduate Teaching :

- 200 Medical Students—Senior.
- 200 Medical Students—Junior.
- 40 Physiotherapy students.
- 40 Occupational Therapy Students.
- 120 Nursing students.
- 15 Bhagubai Polytechnical students of Bio Medical Engineering.

The students at all levels were taught the essentials of Anatomy of human body, genetics and embryology as required by their specific curricula by didactic lectures, demonstrations, dissection, practicals, tutorials, seminars with the help of appropriate audiovisual aids.

Academic performance :

The first M. B. B. S. examination held in October 1988 has results 92.16 of passing percentage, and 33 students, secured distinction in the subject of Anatomy. Shri Shikarkhane P. A. stood first in the University in the subject and was awarded 'The Yeshwant Govind Nadgir Scholarship' for the same.

Research & Publication : Cancer (Book in Gujarati) by Drs. M. L. Kothari & Lopa A. Mehta.

Dr. M. L. Kothari & Dr. Lopa A. Mehta. : Violence in Modern Medicine : In Science, Hegemony & Violence, Ed. Ashis Nandy, Oxford University. Press, Delhi, 1988.

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 undergraduate levels. Department also offers training programme for M. D. (Pharmacology), Ph.D. (Pharmacology) and Pharmacy and M. Sc. in (Applied Biology and Biochemistry). Facility for training in Clinical Pharmacology is also available at the Department. The Department has conducted 25 days training course in Clinical Pharmacology, sponsored by I. C. M. R., New Delhi.

No. of registered postgraduate students :—

1.	M. D.	1
2.	M. Sc. (Applied Biology).	15
3.	M. Sc. (Biochemistry).	4
4.	Ph. D. (Pharmacology)	4

Seminars on topics of interest to postgraduate students (M. D. and Ph.D.) were organised during both the terms, and Journal review meetings were held once a week. Journal Club meetings and Seminars were also organised for M. Sc. (Applied Biology) and M. Sc. (Biochemistry) students.

Training Course in Clinical Pharmacology :

The IXth Training Course on Clinical Pharmacology of 25 days duration was conducted by the Department from 2nd December 1988 to 27th December 1988. This course was sponsored by ICMR, New Delhi. We had selected 10 candidates. Out of 10, one candidate did not report for training. Faculty members included some Guest speakers from other Institute and Pharmaceutical Industries besides the teaching staff members.

Results of Undergraduate examination :

A total of 196 students appeared for IInd M. B. B. S. examination in Pharmacology in April 1988 out of which 173 students passed in the subject of Pharmacology of these 21 students obtained distinction in the subject. At the IInd M. B. B. S. examination held in October/November 1988. 26 students appeared for the examination out of which 18 students passed in the subject of Pharmacology.

DEPARTMENT OF PHYSIOLOGY

I. Academic activities.

A. : Under graduate Medical Students :

(i) During the year 1988-89, 208 students were admitted in July 1987 for the 1st MBBS Course. Regular lecture and practical programme was started from 26th July 1988. Continuous assessment of students was done during 60th the academic terms of the year by conducting card test, two terminal examinations, question writing etc. According to the performance of these students in these tests, special attention was given to academically backward students. Separate viva voce was arranged for them.

As far as possible, teaching in the subject of Physiology was intergrated with that of Anatomy and Biochemistry.

(ii) Since the students were admitted late, Dr. Mrs. V. S. Dalvi & Dr. Mrs. A. S. Joshi gave extra lectures during the Diwali Vacation for the newly admitted 1st MBBS students.

(iii) 1st MBBS examination result. 202 students appeared for 1st MBBS University Examination held in November 1988, 179 students passed the examination. Physiology result was 88.61%.

4 students secured distinction in the subject of Physiology in November 1988 Examination.

1st MBBS Casual (Ex-repeater) students result.

30 Repeaters appeared.

13 Repeaters passed—Result 43.33%.

B. : Under graduate Non Medical students

(i) 80 Students were admitted to the F. Y. B. Sc. Occupational Therapy and Physical Therapy in September '88.

Regular lectures and practical programme for these students commenced from 1st September '88. These students were trained properly and were assessed continuously by several tests.

(ii) Results of F. T. B. Sc. (O. T. P. T.) of April '88.

41 O. T. Students appeared for F. Y. B. Sc. O. T. Exam.

15 O. T. students passed—Result 36.58%.

41 P. T. Students appeared for F. Y. B. Sc. P. T. Exam.

28 P. T. students passed—Result 68.29%.

O. T. P. T. Casual students Result (Ex-Repeaters).

25 O. T. Students appeared.

17 O. T. students passed—Result 68%.

9 P. T. students appeared.

6 P. T. students passed—Result 60%.

(iii) Lectures for F. Y. B. Sc. Nursing students of KEM Hospital—Dr. (Mrs.) S. S. Joglekar and Dr. (Mrs.) A. S. Joshi took 25 lectures each for 175 Nurses, during the year 1988-89 for the F. Y. B. Sc. Nursing students of K. E. M. Hospital.

C) Postgraduate students :

(i) There are six post graduate students who have registered themselves for M. D. Physiology. Seperate programme of lectures, practicals and seminars is arranged for them.

(ii) Dr. (Mrs.) S. M. Kendurkar, Head of Department of Physiology took 12 lectures for M. Sc. (Biophysics) Part-II, Students of the University of Bombay.

II) Extra curricular Activities :

The doctors and technical staff participated in the cricket match (D. D. Daruwalla challenge shield & Nandkumar Desai and Digamber Ghadi trophy).

(7) 'An explanation for the development of C. N. S.' Medical Hypothesis Nova Scotia, Canada, May 1988.

NURSES WELFARE SOCIETY

The corpus of the fund is Rs. 1,15,745.00 Out of which Rs. 90,000 is kept in fixed deposit in the Bank, interest on the amount is utilized for providing activities to the nurses as annual fecture such as variety entertainment programme, prize distribution, sports, picnic's send off functions to the retired, members, academic prizes as per doner's wishes, providing loans to the needy nurses, extending financial help to the students nurses to attend S. N. A. Conference at different places etc.

The batches of Paediatric Short Term Course each of 3 months duration started from 1981 onwards and still continued.

Sr. Tutor S. D. Kulkarni is deputed for M. Sc. Nursing, Sr. Tutor N. L. Rajgopal and S/N. S.V. Chavan are deputed for B. Sc. Nursing. Staff Nurse M. B. Godse and S/N Sharyau Naik are granted study leave for B. Sc. Nursing.

Orthopaedic Nursing Course equivalent to midwifery course is started from August 1987 for male student.

NURSES :

Schedule post.	699
Non-Schedule post.	011
Vacant post.	053
Total No. of Gen. Nursing Students.	370
Total No. of Midwifery Students.	070
Approximate expenses per nurse per month	Rs. 2,133.05/-.

Examination.	Period.	Appeared.	Passed.	Percentage.
General Nursing Part — I.	Jan. 88 (Repeaters)	22	9	41%
	July 88 (Repeaters)	13	9	69.2%
General Nursing Part — II.	June 88	105	89	84.8%
	Jan. 89 (Repeaters)	22	20	95.5%
Midwifery.	Jan. 88	36	36	100%
	July 88.	38	38	100%
1st year Gen.Nursing and Midwifery (New syllabus)	July 88.	96	91	94.79%
1st year Gen. Nursing and Midwifery (New Syllabus)	Jan. 89 (Repeaters)	5	5	100%

**THE K. E. M. HOSPITAL & SETH G. S. MEDICAL COLLEGE
EMPLOYEE'S CO—OPERATIVE CREDIT SOCIETY LTD.**

2019 members were on the roll at the end of Co-Operative year ending 30th June, 1988, The share capital was 14,27,170/- on 30th June, 1988 as against Rs. 9,99,430/- on the corresponding date of the previous year. The Dividend declared to its members 12% on the shares held by the members. The accounts of the Society are being audited by the professional Auditors, Chartered Accountant and by the auditor appointed by the Government as Statutory Auditors. The Society has been awarded 'A' Class Society.

POOR BOX CHARITY FUND :

A sum of Rs. 93,43,475/- was received by way of donation contribution from patients, part cost spectacles and sale at gift shop etc. In addition to cash donations, donations in kind were also received. An amount of Rs. 57,31,759/- was spent out of the Poor Box Charity Fund in the year as against Rs. 32,95,918.50/- 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.**

A P P E N D I X — I

Specially-wise and Unit-wise distribution of Beds.

Department.	Head of the Units.	Male	Female	Children	Unclassified.	Total
Medical.	Dr. G. H. Tilve.	20	10	...	...	30
	Dr. (Smt.) K. P. Chawla.	20	10	...	...	30
	Dr. Philip Abraham	20	10	...	...	30
	Dr. S. G. Dalvi.	20	10	...	...	30
	Dr. C. P. Dalvi.	20	10	...	...	30
	Dr. P. D. Anjaria.	20	10	...	...	30
Tetanus.	Dr. Philip Abraham.	12	7	5	...	24
Haematology.	Dr. B. C. Mehta.	10	2	...	...	12
Nephrology. (A. K. D.)	Dr. (Smt) V. N. Acharya.	...	...	...	...	...
	Dr. S. D. Bhandarkar.	10	6	3	...	19
Div. of End. Gen. Surgery.	Dr. A. B. Samsi.	24	6	...	...	30
	Dr. R. D. Bapat.	24	6	...	...	30
	Dr. C. V. Patel.	24	6	...	...	30
	Dr. J. V. Hardikar.	...	...	...	...	...
	(Dr. S. D. Deodhar)	24	6	...	...	30
G.I.C. (Surg.)	Dr. S. G. Shenoy.	24	6	...	...	30
	Dr. S. K. Mathur.	24	6	...	...	30
	Dr. S. K. Mathur.	...	...	...	...	...
	Dr. R. D. Bapat.	8	2	2	...	12
G. I. C. (Med.)	Dr. Philip Abraham.	13	5	...	...	18
	Dr. Philip Abraham.	...	...	...	...	...
Ophthalmic.	Dr. Y. K. Dastur.	18	9	3	...	30
	Dr. S. D. Adrianwala.	18	9	3	...	30
Gynaec.	Dr. S. V. Parulekar.	...	10	...	...	10
	Dr. M. Y. Rawal.	...	...	...	...	...
	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

Department	Head of the Units.	Male	Female	Children	Unclassified.	Total
Obst.	Dr. S. V. Parulekar. (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. R. R. Krishnan. Dr. I. N. Hinduja.	...	29 28	...	...	29 28
Skin & Ven. Isolation.	Dr. R. J. Fernandes.	16	10	6	...	32
		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. Dr. C. G. Pradhan.	20 20	10 10	10 10	...	40 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. Neurology. Paed. Med.	Dr. S. K. Pandya.	18	10	8	...	36
	Dr. P. U. Shah.	22	6	4	...	32
	Dr. M. D. Shah.	...	...	30	2	32
	Dr. N. B. Kumta	...	...	30	2	32
	Dr. P. W. Kandoth.	...	...	30	2	32
Paed. Surg.	Dr. S. S. Deshmukh.	...	...	40	...	40
Plastic Surg. & Burns.	Dr. K. S. Gcleria.	18	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.	CIBA	...	...	...	10	10
	CIPLA.	...	...	...	10	10
	UNICHE	...	...	...	10	10
Total.		709	561	285	60	1,615

N. B. (a) 10 Beds of Nephrology Unit are inclusive in Medical Units.

APPENDIX — I—A

Statement showing the distribution of beds according to Wards, Services and Heads.

Ward.	Service	Name of the Head of the service.	Unitwise allocation of beds.	Total Schedule Strength of ward.
1	2	3	4	5
I	Paediatric Medical.	Dr. M. D. Shah.	30	60
		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. & Metb. Disorder.	Dr. S. D. Bhandarkar.	3	
III.	Gastroenterology.	Dr. S. K. Mathur.	2	49
	Aural.	Dr. S. B. Ogale/M. V. Ingale	9	
	Aural.	Dr. K. L. Shah.	10	
	Paed. Surgical.	Dr. S. S. Deshmukh.	25	
	Urology.	Dr. D. S. Pardnani.	3	
IV.	Medical.	Dr. (Smt.) K. P. Chawla.	10	50
	Medical.	Dr. G. H. Tilve.	10	
	Medical.	Dr. P. D. Anjaria.	10	
	Div. of End. & Met. Disorder.	Dr. S. D. Bhandarkar.	6	
	Psychiatric.	Dr. L. P. Shah.	8	
	G. I. C.	Dr. Philip Abraham.	4	
	Nephrology.	Dr. V. N. Acharya.	2	
IV-A	Medical.	Dr. Philip Araham.	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. Patel.	22	48
	Surgical.	Dr. C. V. Patel.	22	
	G. I. C.	Dr. R. D. Bapat/Dr. S. K. Mathur	4	
VI	Surgical.	Dr. A. B. Samsi.	20	
	Surgical.	Dr. S. G. Shenoy.	20	
	Urology.	Dr. D. S. Pardnani.	8	
VII	Surgical.	Dr. S. K. Mathur.	19	54
	Surgical.	Dr. J. V. Hardikar	19	
		(Dr. S. D. Deodhar)		
	Aural.	Dr. K. L. Shah.	8	
	Aural.	Dr. M. V. Ingale/Dr. S. B. Ogale.	8	
VIII.	Surgical.	Dr. S. K. Mathur.	6	54
	Surgical.	Dr. A. B. Samsi.	6	
	Surgical.	Dr. R. D. Bapat.	6	
	Surgical.	Dr. C. V. Patel.	6	
	Surgical.	Dr. S. G. Shenoy.	6	
	Surgical.	Dr. J. V. Hardikar.	6	
		(Dr. S. D. Deodhar)		
	Aural.	Dr. K. L. Shah.	6	
	Aural.	Dr. M. V. Ingale/Dr. S. B. Ogale.	7	
	Urology.	Dr. D. S. Pardnani.	5	

Ward.	Service	Name of the Head of the service.	Unitwise allocation of beds.	Total Schedule Strength of ward.
1	2	3	4	5
IX	Medical.	Dr. S. G. Dalvi.	20	50
	Medical.	Dr. P. D. Anjaria.	20	
	Haematology.	Dr. B. C. Mehta.	10	
X.	Psychiatric.	Dr. L. P. Shah.	7	54
	Psychiatric.	Dr. D. R. Doonganji.	7	
	Neuro-Surgery.	Dr. S. K. Pandya.	18	
	Neurology.	Dr. P. U. Shah.	22	
XI	Medical.	Dr. Philip Abraham.	20	50
	Medical.	Dr. G. H. Tilve.	20	
	Div. of End. & Met. Disorder.	Dr. S. D. Bhandarkar.	10	
XII	Medical.	Dr. (Smt.) K. P. Chawla.	20	50
	Medical.	Dr. C. P. Dalvi.	20	
	G. I. C. Nephrology	Dr. Philip Abraham. Dr. V. N. Acharya	06 04	
XIII/ XIII-A	Ophthalmic. Do.	Dr. Y. K. Dastur. Dr. S. D. Adrianwala.	30 30	60
XIV/ XIV-A/ L Wd. W. Wd. P. OW. P. P. S.	Obst. Do. Do. Do. Do. Do. Do. Do. Do. premature. Do. Do.	Dr. S. V. Parulekar. Dr. M. S. Bhattacharya. Dr/ S. S. Shetty. Dr. A. M. Virkud. Dr. U. R. Krishnan. Dr I. N. Hinduja. Dr. M. D. Shah. Dr. N. B. Kumta. Dr. N. B. Kumta. Dr. P. W. Kandoth.	29 29 28 29 29 28 2 2 2	
XV	Gynaec.	Dr. S. V. Parulekar.	10	60
	Do.	Dr. M. S. Bhattacharya.	10	
	Do.	Dr. S. S. Sheth.	10	
	Do.	Dr. A. M. Virkud.	10	
	Do.	Dr. U. R. Krishnan.	10	
	Do.	Dr. I. N. Hinduja.	10	
XVI XVI-A	Plastic Surg. & Burns.	Dr. K. S. Goleria.	52	52
XVII/ XVIII	Isolation, Skin & Veneral G. I. C.	Dr. R. J. Fernandes. Dr. Philip Abraham.	2 32 4	38
XIX.	Psychiatric. Do.	Dr. L. P. Shah. Dr. D. R. Doongaji.	11 11		22
XX.	Surgical. Do. Do.	Dr. A. B. Samsi. Dr. S. G. Shenoy. Dr. C. V. Patel.	4 4 2	10
XXI	Aural. Do.	Dr. K. L. Shah, Dr. M. V. Ingale/ Dr. S. B. Ogale.	6 6	12
XXII.	Tetanus.	Dr. Philip Abraham.	24	24

Ward.	Service	Name of the Head of the service.	Unitwise allocation of beds.	Total Schedule Strength of ward.
1	2	3	4	5
XXIII.	General Surg. G. I. C. Thoracic Surg. Thoracic Surg.	Dr. R. D. Bapat. Dr. S. K. Mathur. Dr. G. B. Parulkar. Dr. R. A. Magotra.	2 6 4 4	16
XXIV.	Drug Trial. Do. Do.	C I B A C I P L A U N I C H E M	10 10 10	30
XXV.	Orthopaedic. Orthopaedic.	Dr. A. V. Bavdekar. Dr. S. K. Bhandare.	20 20	40
XXVI.	Orthopaedic. Do. Do. Do. Do. Do.	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 40	Orthopaedic. Do.	Dr. C. G. Pradhan. Dr. R. S. Dhir.	20 20	
XXVIII	Orthopaedic. Do.	Dr. L. N. Vora. Dr. M. N. Shahane.	20 20	40
XXIX.	Orthopaedic. Do. Do.	Dr. C. G. Pradhan. Dr. R. S. Dhir. Dr. S. K. Bhandare.	14 13 13	40
XXX.	Orthopaedic. Do. Do.	Dr. L. N. Vora. Dr. M. N. Shahane. Dr. A. V. Bavdekar.	14 13 13	40
XXXI.	Thoracic Surg. Do.	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-Surg.	Dr. S. K. Pandya.	18	18
XXXIV	Nephrology. (A. K. D.)	Dr. (Smt.) V. N. Acharya.	18	18
XXXIV-A	Do.	Dr. (Smt.) V. N. Acharya.	10	10
XXXV.	Cardiology.	Dr. A. S. Vengsarkar.	18	18
L. I. C.	Urology.	Dr. D. S. Pardanani.	14	14
M. S. Wd.	Surgical. Do.	Dr. S. K. Mathur. Dr. J. V. Hardikar (Dr. S. D. Deodhar.)	5 5 5	10
			Total.	1,615

APPENDIX — II

Department	Sex	In the Hospital at midnight of 31-12-87	Admitted during the year 1988	Total Treated	Discharged		Died	In the Hospital at the Mid-night of 31-12-88
						cure otherwise		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
MEDICAL	Male	177	9,801	9,978	7,091	1,230	1,495	1,495
	Female	116	5,307	5,423	3,882	764	687	110
	M/Ch.	2	75	77	38	13	22	4
	F/Ch.	3	52	55	28	9	16	2
SURGICAL	Male	137	7,762	7,899	6,915	477	381	128
	Female	37	2,696	2,733	2,169	306	206	52
	M/Ch.	...	...	...	...	...	...	...
	F/Ch.	...	...	...	...	...	...	...
OPHTHALMIC	Male	31	1,403	1,434	1,215	186	1	32
	Female	19	963	982	895	60	...	27
	M/Ch.	4	110	114	70	41	...	3
	F/Ch.	2	55	57	39	17	...	1
GYNAEC.	Female	59	3,225	3,284	3,165	62	5	52
SKIN & VENERAL	Male	10	208	218	105	99	1	13
	Female	4	108	112	87	22	1	2
	M/Ch.	1	10	11	9	2	...	...
	F/Ch.	...	10	10	7	3	...	...
AURAL	Male	18	1,158	1,176	1,015	146	3	12
	Female	13	843	856	701	148	...	7
	M/Ch.	...	347	347	231	112	2	2
	F/Ch.	1	235	236	169	67	...	...
ORTHOPAEDIC	Male	216	2,148	2,364	1,765	345	67	187
	Female	94	1,245	1,339	835	380	43	81
	M/Ch.	25	538	563	421	118	1	23
	F/Ch.	16	247	263	164	87	1	11
PSYCHIATRIC	Male	16	1,104	1,120	663	440	...	17
	Female	11	378	389	218	162	2	7
	M/Ch.	1	10	11	7	4	...	...
	F/Ch.	...	11	11	8	3	...	...
NEURO-SURGERY	Male	23	347	370	196	99	53	22
	Female	10	186	196	120	46	20	10
	M/Ch.	7	82	89	55	24	5	5
	F/Ch.	5	55	60	31	19	8	2
NEUROLOGY	Male	13	293	306	192	93	4	17
	Female	6	100	106	45	49	5	7
	M/Ch.	...	46	46	28	16	...	2
	F/Ch.	...	26	26	13	8	1	4
PAED.MED.	M/Ch.	40	2,079	2,119	1,320	453	3,11	35
	F/Ch.	36	1,457	1,493	8,37	3,48	2,73	35
OBSTRETIC	Female	131	7,315	7,446	7,296	...	13	137
	M/Ch.	...	...	...	...	...	34	...
	F/Ch.	...	...	...	...	...	22	...
PLASTIC SURGERY	Male	25	335	360	97	234	8	20
	Female	16	1,83	199	61	75	52	11
	M/Ch.	3	123	126	51	71	...	4
	F/Ch.	2	62	64	37	25	1	1
THORACIC SURGERY	Male	20	703	7,23	320	335	45	22
	Female	19	559	578	221	309	25	23
	M/Ch.	13	152	165	57	73	27	8
	F/Ch.	4	110	114	46	45	18	5
PAED.SURG.	M/Ch.	25	1,582	1,627	1,219	291	76	41
	F/Ch.	15	737	752	502	182	49	19
G. I. C.	Male	...	1	1	1	...	...	...

Department	Sex	In the Hospital at midnight of 31-12-87	Admitted during the year 1988	Total Treated	Discharged		Died	In the Hospital at the Mid-night of 31-12-88
					cure	Otherwise		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Female	...	...	...	...	...	...	...
	M/Ch.	...	1	1	1	1	...	...
	F/Ch.	...	...	...	...	...	...	...
CARDIOLOGY	Male	23	871	894	575	214	83	22
	Female	21	422	443	264	141	34	4
	M/Ch.	8	193	201	112	68	17	4
	F/Ch.	5	111	116	69	37	9	1
DIV. OF ENDOCRINO— LOGY & METAB. DISORDER	Male	6	75	81	27	42	8	6
	Female	...	47	47	16	20	3	6
	M/Ch.	...	4	4	4	...	...	...
	F/Ch.	...	...	...	...	...	...	...
CHEST CLINIC	Male	18	463	481	175	200	90	16
	Female	14	243	257	105	109	38	7
	M/Ch.	...	18	18	8	2	7	1
	F/Ch.	...	15	15	6	...	7	2
UROLOGY	Male	16	738	754	626	101	9	18
	Female	2	109	111	76	32	...	3
	M/Ch.	...	19	19	19	...	...	...
	F/Ch.	...	3	3	3	...	...	...
HAEMATOLOGY	Male	2	97	99	45	48	4	2
	Female	1	55	56	34	15	6	1
	M/Ch.	...	2	2	2	...	...	...
	F/Ch.	...	1	1	...	...	1	...
PHARMACO— LOGY	Male	8	38	46	23	19	...	4
	Female	...	...	...	...	...	...	...
	M/Ch.	...	1	1	1	...	...	...
	F/Ch.	...	...	...	...	...	...	...
NEPHROLOGY.	Male	25	286	311	83	73	140	15
	Female	3	122	125	45	15	57	8
	M/Ch.	1	12	13	5	...	8	...
	F/Ch.	...	6	6	...	...	6	...
TOTAL	Male	784	27831	28615	21130	4381	2391	713
	Female	576	24106	24682	20215	2715	1195	557
	M/Ch.	150	5404	5554	3638	1288	510	132
	F/Ch.	89	3193	3282	1959	850	412	83
GRAND TOTAL		1599	60534	62133	48962	9234	4508	1485

APPENDIX — III

Statement of Out-patients New O. P. D. & Casualty according to the Department, Sex during the year 1988.

Department	Casualty Cases.					New O.P.D. Cases.				
	Male	Female	M/ch	F/ch	Total	Male	Female	M/ch	F/ch	Total
Medical	3444	1247	18	12	4721	25224	15533	...	...	40757
Surgical	6953	1455	36	15	8458	16508	7082	10	4	23604
Ophthalmic	524	71	15	4	614	10559	6623	1372	1088	19642
Gynaec	...	76	...	...	76	...	13122	...	...	13122
Dental	8	...	1	...	9	3295	2597	531	372	6795
Skin	37	5	4	1	47	10592	4424	2055	1524	18595
Aural	246	46	15	11	318	9318	5757	2380	1637	19092
Orthopaedic	2392	470	111	49	3022	17905	9040	2331	1284	30560
Psychiatric	66	12	1	...	79	4518	1905	374	218	7015
Neuro-Surg.	18	2	2	...	22	1621	645	319	189	2774
Neurology	6	1	...	1	8	1443	702	178	133	2456
Paed. Med.	...	...	372	237	609	...	...	6335	4574	10909
Obst.	...	57	...	...	57	...	4884	...	...	4884
P. R. L.	...	...	...	...	...	...	...	679	469	1148
Diabetic	...	...	...	...	...	812	547	8	5	1372
Pl. Surg.	822	142	54	26	1044	394	218	131	101	844
Tho. Surg.	3	3	...	...	6	1615	1233	420	262	3530
Paed. Surg.	...	...	825	479	1304	...	...	975	473	1448
G. I. C.	...	...	1	1	2	773	390	21	10	1194
Cardiology	2	...	...	...	2	3332	2098	511	393	6334
Endocrine	...	...	...	...	...	428	1622	33	45	2128
Chest Cl.	4	1	1	...	6	1519	913	126	101	2659
Epilepsy	...	...	...	...	...	668	387	264	150	1469
Urology	1	...	...	...	1	948	227	19	5	1199
Arth. Cl.	...	...	...	...	...	199	242	13	5	459
Sport Cl.	...	...	...	...	...	518	53	6	2	579
Haema.	...	...	...	...	...	554	515	158	82	1309
Casulty	...	...	...	...	...	47941	18049	8267	4664	78921
Dog Bite	...	...	...	...	...	3316	941	1276	570	6103
O. T.	2	...	...	...	2	561	260	96	25	942
P. T.	...	...	...	...	...	3824	2596	246	120	6786
Sexology	...	...	...	...	...	650	97	...	...	747
Paed. G. I. C.	Reflected in G. I. C.					...	...	...	...	...
U. Stone	...	...	...	...	...	224	47	4	3	278
Paed. Rheu.	Reflected in Paed. med.					...	...	...	...	...
Paed. Nephro.	Reflected in Renal Cl.					...	...	...	...	...
Sterility	...	...	...	...	...	1044	13	...	...	1057
Geriatric	...	...	...	...	...	13	13	...	...	26
Accupun.	Reflected in Surgery					...	...	...	...	...
P & G	...	...	...	...	...	121	166	27	30	344
Renal Cl.	1	2	...	...	3	418	326	44	26	814
School Cl.	1	...	...	...	1	119	91	1172	900	2282
Neonatology	...	...	...	...	...	...	...	256	165	421
Well Baby	...	...	...	...	...	...	...	1395	1103	2498
Paed. Uro.	Reflected in Urology.					...	...	...	...	...
Tumour	Reflected in Surgical.					...	...	...	...	...
Anorectal	Reflected in Surgery.					...	...	...	...	...
Paed. Ch. Cl.	Reflected in Paed. Med.					...	...	...	...	...
TOTAL	14530	3590	1455	836	20411	170974	103358	32032	20732	327096

APPENDIX — IV.

Details of Average Cost per In-patient and Per Out-patients.

Particular.	1987—88		1988—89	
	In-patient	Out-patient	In-patient	Out-patient
	Rs.	Rs.	Rs.	Rs.
I—Establishment.	99.54	29.40	152.23	20.55
II—Contingencies.	02.80	10.72	002.22	11.40
III—Equipment.	03.02	00.91	003.96	01.18
IV—Drug & Medicine.	23.10	19.98	033.71	18.98
V—Diet.	06.96	—	007.98	—
VI—Stores.	05.48	15.83	028.06	14.23
VII—Repairs & Maint.	10.10	12.00	003.11	23.16
Total :	151.00	88.84	231.27	89.50

APPENDIX—V

RESULTS OF EXAMINATION FOR THE YEAR 1988-89.

Name of the Examinations.	April 1989		Oct. 1988	
	No. of students Appeared	Passed	No. of students Appeared	Passed
Ist M.B.B.S.	40	31	305	169
2nd M.B.B.S.	206	181	47	30
3rd M.B.B.S.	98	43	205	132
F.Y.O.T.	50	15	25	17
S.Y.O.T.	33	13	6	4
T.Y.O.T.	19	17	20	18
F.Y.P.T.	45	20	11	7
S.Y.P.T.	35	28	11	5
T.Y.P.T.	19	14	31	21
M.Sc. (Occupational Therapy)	3	3	—	—
M.Sc. (Physical Therapy)	4	4	—	—
M. D.				
Medicine.	11	4	13	11
Obst. & Gynaec.	11	5	18	15
Pharmacology.	1	1	2	2
Paediatric.	7	5	16	10
T. B. & Chest.	3	2	4	4
Skin & V. D.	1	—	1	1
Anaesthesia.	5	5	11	9
P. & S. M.	3	3	1	—
Radiology	2	2	7	5
Psychological Med.	3	3	4	4
Human Physiology	1	—	—	—
Pathology.	1	—	5	3
D.M. (Cardiology)	—	—	13	—
M. D. (Microbiology)	2	1	5	—
M. S. Gen. Surg.	11	3	11	8
M. S. (Orth.)	10	3	11	9
M. S. (E. N. T.)	—	—	4	2
M. S. (Oph.)	3	3	4	4
M. S. (Human Anatomy)	1	—	2	1
M. S. (Neuro. Surg.)	—	—	2	3
M. S. (Plastic Surg.)	3	2	3	3
M. Ch. (Paed. Surg.)	1	1	—	—
M. Ch. (Urology)	1	1	—	—
D. A.	8	8	6	6
D. V. D.	4	4	2	1
DPH (Part-I)	3	3	4	4
DPH (Part-II)	4	4	1	—
D.P.M. (Part-I)	3	3	4	4
D. P. M. (Part-II)	6	5	6	4

APPENDIX—VI

RESEARCH :

DEPARTMENT OF BIOCHEMISTRY & CLINICAL NUTRITION :

Extensive and intensive research is being carried out in the areas of both basic and clinical Biochemistry covering Nutritional aspects. The department has an animal house admeasuring about 70 sq. mts. on top floor of the building with washing faciities equipped with modern amenities. It contains 50 cages housing approximately 250 rates. With the help of this excellent facility as well as the clinical material available, projects based on the following major areas are being actively covered in different aspects viz.

- (a) Clinical Nutrition.
- (b) Neurochemistry.
- (c) Hypertensive disorders.
- (d) Cardiac disorders.
- (e) Biochemical aspects of surgical manifestations.

SERVICES RENDERED TO THE HOSPITAL :

Clinical Research Laboratory (No. 44) is working under the auspices of this department.

1. It covers all medical units including Nephrology and emergency services by carrying out routine biochemical investigations and special investigations like Barbilturæ estimation, Osmolarity etc.
2. Spectroscopy of the blood pigments.
3. Urinary catecholamine estimation.
4. Any other clinical investigation reuired which is not routinely carried out in the hospital.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY :

RESEARCH PROJECTS :

- (1) Qualitative Evaluation of Primary Health Centres.
- (2) Capronor—Biodegradable implant for Fertiity Control.
- (3) PGA, infusion in severe PIH.
- (4) Labetalol tablets in PIH.
- (5) Incidence of Pelvic inflammatory disease in IUCD users, (Clinico-microbiological study).
- (6) Epidemiological study of Ectopic Pregnancy.
- (7) Comparative study of centchroman weekly pill V/S Cut and Mala N oral pills.
- (8) Isouretic exercise stress test in foetal monitoring.
- (9) Invitro Fertilization and embryo transfer.
- (10) Gamete intrafallopion transfer.

C. V. T. C. LABORATORY :

- (1) Studies in high density lipoprotein compisition angoing project sponsored by Indian Council of Medical Research from March 1986—March 1989.
- (2) Studies in transport and/synthesis of cholesterol Adhoc project sponsored by BRINS, BARC from November 1986—Nov. 1989.
- (3) Studies in membrane glycosphignolipids in cancer patients ICMR awarded by for the Ph. D. Student Miss Vinita Vaidya.
- (4) Altered lipid status in cancer awarde by ICMR for the Ph. D. student Miss. Raina Mehra.
- (5) Effect of propranolal and acebytolor in hypertensive and IHD patients sponcered by May and Baker.
- (6) Apoliporoteins as biochemical markers of cardiac risk awarded by ICMR for Ph. D. student Miss Vaijayanti Pradhan.
- (7) Lipoprotein abnormalities in patients undergoing coronary angiography—project under in Research Scholarship awarded to Miss Trupti Bhatt by Lady Tata Memorial Trust.
- (8) Study of alpha-1-antitrypsin and creatine Kinase in patients suffering from AMI— awarded by ICMR to Miss Surekha Palkar.

(9) Study of pancreatic function in children suffering with malnutrition by using pancreatic stimulation test awarded by ICMR to Miss Smita Keni for doing Ph. D.

(10) Studies in lipoprotein transport and metabolism in arterial wall project under research scholarship awarded to Miss Surekha Tanksale by Lady Merorial Trust.

(11) Studies in polymorphonuclear leucocytes in patients suffering with Rheumatic heart disease financed by KEM and GSMC Society.

Mrs. Padma Shastry.

S. S. O.

Name of the Research Schemes 1988

(1) Evaluation of the role of anti-cardiac antibodies in diagnosis and prognosis of rheumatic heart disease. 1985-88.

(2) Identification of specific cardiac antigens components by biochemical methods. 1987-88.

(3) Estimation of alpha-1-antitrypsin as a diagnostic marker Ulcerative colitis. 1987-1988.

(4) Detection of Rosette inhibition factor (RIF) in serum from Tuberculosis patients. 1987-88.

(5) Inntero immunisation of foetus by Tetamis, immunisation of the mother. 1987-1989.

DEPARTMENT OF MEDICINE.

RESEARCH PROJECTS :

- (1) Dermatolyphics in ankylosing spondylitis.
- (2) Pulmonary function tests in rheumatoid arthritis.
- (3) Role of nuclear medicine in assessment of rheumatoid arthritis activity.
- (4) Role of Metronidazole as an immunomodulator in RA.
- (5) Role of Misoprostol in NSAIDS induced upper GI lesions.
- (6) Oesophageal manometry in mixed connective tissue disorders.
- (7) Evaluation of criteria for spontaneous bacterial peritonitis.
- (8) Leucocyte labelling with Technitium for the study of inflammtory bowel disease and colitic arthritis.

(9) Evaluation of Tc labelled compound for myocardial scanning.

(10) To study efficacy of Ribovarine in infective hepatitis.

(11) Hemodynamic pressure studies in inferior was infarot.

(12) To study variation in normal hepatobiliary scanning.

(13) Nifedipine in emergency treatment of hypertension.

(14) Hypetension in acute stroke.

(15) Pentoxyphylline in acute stroke.

(16) Inter observer variations in brain CT scans in stroke.

(17) Importance of Liver Dynamics :

(a) Differentiating between vascular Sols. and Avascular Sols.

(b) Detecting the portal hypertension in different liver diseases.

(18) Alcoholic cirrhosis vs diagnosing other types of cirrhosis.

(19) Correltive study: Heptobiliary scan vs oral cholecystography.

(20) Correlative study between hepatobiliary scan and ultrasonograpy and E. R. C. P.

(21) Diagnosis of renal tansplant rejection with 99m Tc sulphur colloid.

(22) Early prediction of Avascular necrosis of femoral heart follow up-by means of Bone scan.

(23) Study of cerebral infarct :

Cerbral blood flor (C. B. F.) + sttic brain scan vs. C. T. scan brain.

(24) Correlative study of myocardial imaging with 99m Tc + butyl isonitrite vs. Thallium 201.

Dr. (Mrs.) K. P. Chawla.:

(25) Plasma fibrinogen abnormality in storkers—Data complete. Awaiting publication.

(26) Profile of serium aminases in acute bronchial asthma.

(27) Gamma-Glutamyl tanspeptidose. Status in chronic alcoholics with or without clinical evidence of liver disease.

- (28) Hepatic injury in patients receiving anti-TB drugs—a clinico-biochemical and histological study with regular 6 months follow up.
- (29) Nutrition status of the patients attending geriatric clinic.
- (30) Immunological profile in geriatric healthy individuals.
- (31) Fibrinogen abnormality in hypertensive individuals with or without target organs involvement — a long term follow-up.
- (32) LDH Isoenzyme profile in cirrhosis and primary liver cell carcinoma.
- (33) Evaluation of systolic murmur at the base in elderly patients — A clinical and echocardiographic correlation.

Dr. Philip Abraham :

- (34) Evaluation of *Timospora cordifolia* in chronic liver diseases.
- (35) Evaluation of essential phospholipids in chronic liver diseases.
- (36) Evaluation of LIV—52 in chronic liver diseases.
- (37) Effects of *Timospora cordifolia* on antigen clearance in MBs Ag carriers.
- (38) Effect of *Lactobacillus* on *Campylobacter jejuni* associated acid-peptic disease : an in-vitro and in-vivo study.
- (39) Effect of *Lactobacillus* on gut flora in health and disease.
- (40) Effect of dietary constituents and treatment modalities on intestinal gas composition.
- (41) Evaluation of acute phase reactants in idiopathic ulcerative colitis.
- (42) Evaluation of tests for diagnosing completeness of vagotomy.
- (43) Study of bacteremia following endoscopic variceal sclerotherapy with 3% phenol.
- (44) Persistence of immunity following low dose intradermal hepatitis B vaccine.
- (45) Evaluation of nitrates for reduction of portal pressure.
- (46) Effect of modification of test meal on gastric acid response to modified sham feeding.
- (47) Stool weight in normal and diseased Indian subjects.
- (48) Evaluation of the role of the renin-angiotensin aldosterone system in cirrhotics with ascites.
- (49) Evaluation of quinifamide in amoebic cyst passers.

Dr. M. E. Yeolekar :

- (50) Nifedipine in emergency treatment of hypertension.
- (51) Atenolol in the management of hypertension.
- (52) Nifedipine plus atenolol combination in hypertension.
- (53) Combination of furosemide plus spironolactone in hypertension.
- (54) Pentoxifyllin in acute cerebrovascular stroke.
- (55) Fixed dose combination of aspirin plus dipyridamol in cerebrovascular stroke.
- (56) Definition and establishing certain prognostic indicators of cerebrovascular stroke.
- (57) Study of factors in rehabilitation from stroke.
- (58) Inter-observer variation in brain CT scan in cerebrovascular stroke.
- (59) Some aspects of neuroepidemiology in stroke.
- (60) Study of the bacterial-organism pattern in serious infections and septicemic patients in general medical ward.
- (61) Study of resistance pattern in malaria.
- (62) Role of different modes of elimination in patients with impaired consciousness.
- (63) Study on non-ulcer dyspepsia.

DEPARTMENT OF NEPHROLOGY

- (1) Evaluation of Fine Needle Aspiration Cytology (FNAC) for the diagnosis and prognosis of renal transplant rejection.
- (2) Utility of Technetium 99m sulphur colloid radionuclide evaluation in the diagnosis and prognosis of renal allograft rejection.
- (3) Study of Thyroid dysfunction in patients of Chronic renal failure before and after dialysis and transplant.

(4) Evaluation of Pefloxacin in the management of multiple drug resistant urinary tract infection in immuno compromised subjects.

(5) Study of some Trace metals in patients of Chronic Renal Failure before and after transplantation.

(6) Comparative evaluation of ¹³¹I-photon absorptiometry, ^{99m}TcMDP Bone Scintigraphy and radioimmunoassay of parathyroid hormone and calcitonin in the study of renal osteodystrophy.

(7) Electrophysiological studies in Uraemia and effect of Renal Transplantation on the same.

DEPARTMENT OF GASTROENTEROLOGY :

(1) Evaluation of *Tinospora cordifolia* in chronic liver disease.

(2) Evaluation of Liv. —52 in chronic liver diseases.

(3) Effect of lactobacillus on *Campylobacter phlori* associated acid-peptic disease : an in-vitro and in-vivo study.

(4) Persistence of immunity following low dose intradermal hepatitis 'B' vaccine.

(5) Evaluation of nitrates for reduction of portal pressure.

(6) Effect of modification of test meal on gastric acid response to modified aham feeding.

(7) Stool weights in normal and diseased Indian subjects.

(8) Evaluation of quinifamide in amoebic cyst passers.

(9) Differential enlargement of liver lobes (on isotope scan) in liver diseases and alcoholics.

DEPARTMENT OF CARDIOLOGY (Unit—I)

(1) Study of 'Silent Myocardial Ischaemia'.

(2) Assessment of MVA comparison of haemodynamic and doppler gradient.

(3) Ischaemic heart diseases in low socio-economic group.

(4) Profile of acute myocardial infarction in Indian female patients.

(5) Study of special procedures like septostomy.

(6) Study of Congenital hearts in neonatology.

(7) 2-D Echo. assessment of Ebstein's anomaly.

DEPARTMENT OF CARDIOLOGY (Unit—II)

(1) Research trial of Felodipine.

(2) Use of Ateolol in mitral stenosis.

DEPARTMENT OF UROLOGY

Clinical Research : A number of projects were included for investigation and treatment :

(i) Study of post operative complications in cases of Renal Transplantation.

(ii) Study of Results and Complications in Percutaneous Renal Surgery—A study of 130 cases.

(iii) Vasectomy Reversal—A study of microsurgical Technique of vas—reanastomosis.

(iv) Pre and post operative Doppler evaluation of varicocele in cases of Male Infertility.

(v) Study of operative technique and Postoperative Evaluation of patients with Fracture Penis.

(vi) Diagnostic and Therapeutic Evaluation of and study of complication following intra cavernosal injection of papaverine in cases of Impotence.

(vii) Evaluation of the Role of Bacteriopspermia in cases of Male Infertility.

(viii) Study of EMG in cases of Impotence.

(ix) Study of Venous Incompetence as a cause of Impotence. Diagnosis and Management.

(x) Dorsal nerve conduction studies cortical and spinal evoked potentials in the Assessment of Erectile Impotence.

(xi) Dynamic cavernosography for evaluation of Venous Leak in cases of Impotence.

(xii) Study of self Dilatation in Treatment of Stricture urethra.

(xiii) Analysis of Data of core through Urethrotomy in cases of stricture urethra.

(xiv) Study of blood supply of Dog Ureter.

(xv) Evaluation Norfloxacin (Merflox : Merind) in cases of acute Drinary tree infection.

(xvi) Study of Cefotaxime (Claforan: Roussel) in cases of acute severe urinary tract infections.

(xvii) Study of the role of Clomiphene (Fertil-M : Rx. Lab.) in cases of oligo-spermia.

(xviii) Evaluation of "Quezepam" : Fulford as a pre-operative medication in cases undergoing major surgery.

(xix) Evaluation of Siomycin (Ensamycin: Fulford) in cases of prostatic infections.

DEPARTMENT OF RESPIRATORY MEDICINE & E. P. R. C.

- (1) Bronchoalveolar lavage changes in normals and interstitial lung disease.
- (2) Bronchoalveolar lavage changes in normals and rheumatoid arthritis.
- (3) Clinical, functional and biochemical changes in cystic bronchiectasis.
- (4) Haemodynamic, physiologic and blood gas changes after 3 week Oxygen therapy in chronic respiratory failure due to COPD.
- (5) Comparative trial of pefloxacin with cotrimoxazole in respiratory infections.
- (6) High altitude changes in mountaineers on gradual climbing till 24,000 feet in lung function and cardiac response.
- (7) Comparative morbidity in relation to stone quarry among workers and residents (Indo-British project).
- (8) Effect of exposure to acid manufacturing in workers (Indo-British project).
- (9) Comparative study of health morbidity in highly polluted, moderately polluted and minimally polluted areas of Bombay (WHO/HEAL project.)
- (10) Follow up of lung cancer patients to evaluate response to surgery chemotherapy and radiation.
- (11) Post operative pulmonary complications.

DEPARTMENT OF NEONATOLOGY :

- (1) In collaboration with **Department of Physiology.**
 - (a) E. C. G. in full term and preterm babies.
 - (b) Correlation between 2,3 SPG and fetal Hemoglobin with birth weight of the babies.
 - (c) Blood count in New Borns.
- (2) In collaboration with **Department of Bio-Chemistry.**
 - (a) Study of Vit. E levels in sick new borns & their mothers.
 - (b) Study of Neonatal hyperbilirubinemia with special reference to ABO incompatibility.
 - (c) Serum copper & ceruloplasmin in infants and its correlation with maternal nutritional status.
- (3) In collaboration with **Department of Microbiology.**
 - (a) Study of infection and septicemia in new borns.
- (4) In collaboration with **Department of Obstetrics and Gynaecology.**
 - (a) Correlation of cord blood uric acid levels in new borns & their mothers with toxemia of pregnancy with their outcome.
 - (b) Incidence of chlamydia & toxoplasma infections in the perinatal period with grant from I. C. M. R.

Recent Research :

- (1) In collaboration with CAMHADD—study of Low Birth Weight and their follow-up.
- (2) In collaboration with **Department of Pharmacology.**
 - (a) Study of P. M. N. functions in normal and high risk new borns.
 - (b) Role of Intravenous immunoglobulin as a therapeutic and prophylactic measures in septicemia.—project funded by I. C. M. R.
- (3) Study of neonates with perinatal asphyxia and their follow-up with reference to their neurological outcome.—Funded by K. E. M. Research Society.

DEPARTMENT OF PSYCHIATRY :

Research Projects in Dr. D. R. Doongaji's Unit

1. Cross cultural study of relationship between tropical disease and mental health in collaboration with Harvard University, U. S. A.
2. A double blind clinical study of Amitriptyline Vs Lofepremine in Depressed patients.
3. A double blind clinical study of Sulpiride Vs Haloperidol in Schizophrenic patients.

Research Projects in Dr. L. P. Shah's Unit.

1. Study of psychiatric morbidity in patients above 60 years attended Gerontology clinic.
2. Clinical trial of Survector in depression
3. Comparative clinical trial of Haloperidol Deconoate and Fluphenazine decanoate.
4. Clinical trial of Gerifore in anxiety Neurosis.
5. Clinical trial of Br.-16 in 295.
6. Clinical trial of Br-16 in hyperkinetic behaviour problem in children
7. A clinical study of patients suffering from Narcotic drug dependence (Brown Sugar).
8. A clinical study of patients suffering from Alcohol dependence.

DEPARTMENT OF PHARMACOLOGY :

1. Effect of nifedipine and propranolol on platelet functions
2. Comparative bioavailability of theophylline controlled release preparation.
3. Immunology and drug response in neonate
 - effect of antibiotics
 - effect of immune interventions
 - immunology of IUGR and preterm babies.
4. Antiepileptic drugs:
 - phenobarbitone levels and effective dose in neonatal convulsions.
 - Use of nomogram in phenytoin dosage
 - therapeutic drug monitoring
 - refractory cases.
5. Effect of dilatizem on blood pressure Correlation with slow release preparation.
6. Penicillin sensitivity, resistance and levels in rheumatic fever patients.

The facility of "Therapeutic drug monitoring" has been set up for antiepileptic drugs, antibacterial drugs and immunological agents.

7. Comparison of bioavailability of Cephalixin formulation.
8. Comparison of bioavailability of ampicillin formulation.
9. Comparison of bioavailability of Ibuprofen conventional release and sustained release formulation.
10. Multiple dose pharmacokinetics and therapeutic efficiency and tolerability of two sustained release formulations of Ibuprofen (Keltrol) in adult patients suffering from rheumatoid arthritis osteoarthritis.
11. Safety and tolerability study of 'Baryl' in human volunteers.
12. Safety and tolerability study of 'Mehacap' in human volunteers.
13. The influence of surgical stress on neuroendocrine — immune axis.
14. The status of immune functions in orns and its correlation with complications and survival rate.
15. Evaluation of PMN function in children with measles.
16. Animal studies to support further the immunostimulant activity of Tinosporadordicolia.
17. Different models of liver diseases in animals.
18. Acute and subacute toxicity studies on Korwa.
19. The influence of commonly used drugs, aspirin and ethanol on the gastric mucosa : Protection with indigenous agents.
20. Effect of Tinosporacordifolia on the course of Cirrhosis.
21. Evaluation of safety and efficacy of safe T, in CUT in implants.
22. Evaluation of Tinospora cordifolia in human volunteers (Safety and efficacy).
23. Evaluation of the therapeutic efficacy of quinifamide in the treatment of intestinal amoebiasis.
24. Evaluation of Liv. 52 in chronic liver disease.
25. Study of the effects of antimicrobial agents in PMN and monocyte function in human volunteers and animals.
26. Effect of "Rasayana" on surgical stress (Continuation of projects 13) and neuroendocrine immune axis.
27. Efficacy of Tinospora cordifolia in septicemia and local sepsis.
28. Evaluation Tinosporacordifolia in tropical pyomyositis.
29. Efficacy of 'Barlyl' in patients with chronic respiratory infection.
30. Effect of amatidine on blood sugar in dogs.

31. Clinical evaluation of Chandonium iodide as a skeletal muscle relaxant.
32. Pharmacokinetics of centbutindole (antipsychotic agent).
33. Antibody titre and immunoglobulin estimation with cholera vaccine.
34. Effect of Asparagus racemosus on gastric emptying time.
35. Phase I study of CGI 16343 an antifilarial agent.
36. Effect of guggulipid on lipid profile, haemorrhology, Platelet aggregation and plasma thromboxane.
37. Randomised Phase III Clinical trial of a weekly oral contraceptive Centchroman with oral pills (Mala-D) and Cut-200-study of metabolic effects.
38. Comparative effect of Centchroman, Mala- D and IUCD Cu-T-200 on coagulation factors and/platelet function.
39. Effect of Centchroman on thrombus formation related lipid metabolism as compared to those of other oral contraceptive (Mala-D) and IUCD (Cut-200).
40. Study of platelet membrane/lipids myocardial infarction.
41. Study of platelet histamine, 5HT and serum MAO, DAO in asthma.
42. Biomedical assessment of elderly individuals.
43. Evaluation of Indian Medicinal plants in various infections and immunosuppressed status in animals and patients.
44. Evaluation of Asparagus racemosus against gastric damage produced by aspirin in volunteers.
45. Role of endorphins in stress induced damage.
46. Effect of antibiotics on immune function.

DEPARTMENT OF GEN. SURGERY :

Dr. A. B. Samsi

1. "Ciprofloxacin in Surgical infections.
2. "Voveran" in Traumatic swellings.
3. "Balloon dilatation of oesophageal strictures and achalasia cardia

Dr. R. D. Bapat & R. G. Relekar

Clinical :

1. Natural History of Pancreatitis.
2. Thyroid — Clinical profile & Post-op. follow up.
3. Gall bladder Disease-HIDA Scan (significance).
—Biliary enteric anastomosis.
4. Role of Total Colectomy with ileoanal anastomosis in ulcerative colitis.
5. Role of Epidural morphine/Morphine in PVD.
6. Diabetic foot—Pathogenesis especially Hemorrhological aspects.
7. Study of Ischemic colitis.

Experimental:

1. Antipyrine clearance. Immune status and Immunomodulation in surgical jaundice.
2. Immunomodulators in sepsis (*Tibnespora cadrifolia*)

Dr. C. V. Patel.

Single Dose Regime for Gentamycin.

Dr. S. K. Mathur:

Prevention of intraperitoneal adhesion. (An experimental study)

Dr. A. N. Supe :

1. Balloon dilatation of oesophageal stricture and achalasia cardia.
2. Endoscopic Sclerotherapy
3. Cardiac output in Haemorrhagic shock
4. Sclerosant Model.

Dr. A. N. Dalvi (With Dr. S. K. Mathur) :

1. Study of Post-op. infections and factors influencing it.
2. Started research project on the Role of Amino Acid preparation in critically ill patients.

Dr. B. A. Kulkarni :

1. Study of infections in postop. cases (Dr. S. K. Mathur's Unit)

Dr. Heman Kulkarni :

Use of Radioisotopy for diagnosis of Deep Vein Thrombosis and comparison of different methods such as ICG and Venogram with Isotope studies.

APPENDIX—VII

PUBLICATIONS :

SETH DHURMAL BAJAJ ORTHOPAEDIC CENTRE AND RESEARCH INSTITUTE.

Scientific papers presented at National & International conferences by Staff Members :

(a) Dr. R. S. Dhir, Professor and Head :

—'Minimal Internal Fixation of T-Y fractures of lower end of humerus in adults—A study of 33 cases'.

—Presented at WIROC Conference, Bombay, November 1988.

—Habitual Dislocation of Patella—A study of 23 operated cases presented at WIROC Conference, Bombay, November 1988.

(b) Dr. S. Y. Bhojraj, Reader :

—'Embolisation Decompression, stabilization for malignant vertebral tumours of the dorsal spine'—Annual Meeting of the Association of Spine Surgeons of India, Bangalore, December 1988.

—Same paper read at WIROC Conference, Bombay, November 1988.

—'Unusual presentations of Spinal tuberculosis'—presented at the Asian Congress on Spinal surgery at Madras—January—1988.

—Presented two posters on (1) Palliative surgery for vertebral tumours and (2) Occipito cervical fusion using Hartshill rectangle at the Annual Meeting of the Association of Spine Surgeons of India, Bangalore—Dec. 1988.

(c) Dr. K. R. Manelkar, Reader :

—'Tibial Plating' presented at the Asian Congress on Trauma—January 1988 at Madras.

(d) Dr. P. B. Bhosale, Lecturer :

—'Habitual dislocation of patella—A study of 23 operated cases—at WIROC, BOMBAY, November 1988.

—'Review of literature on Koch's spine at the Spine Update Meeting—Sept. 1988.

(e) Dr. S. V. Vaidya, Lecturer :

—'Minimal Internal fixation of T-Y fractures of the lower end of humerus in Adults'—A study of 33 cases at WIROC—Bombay—November 1988.

(f) Dr. A. B. Mulla—Lecturer :

'Continuous Passive Motion for the prevention and rehabilitation of stiff knee'—a clinical study of 43 cases—at WIROC, BOMBAY, November 1988.

Scientific papers published by the staff members :

(a) Multifocal Eosinophilic granuloma of bone—a case report and review of literature—Postgraduate Journal of Medicine—October 1988. Authors : Dr. H. Kalyan, Dr. Sane, Dr. Bhojraj S. Y.

(b) 'Bilateral identical epiphyseal injury of the lower end of radius due to an unusual mechanism of injury—a case report : Journal of Postgraduate Medicine—34(2), 1988.

Authors : Dr. A. B. Bhamra & Dr. R. S. Dhir.

(c) 'Bone Infections in tropical World' : Published as a Monogram compiled by R. J. Coombs—University of London.

Author : Dr. M. L. Saraf (Jt. Author).

(d) 'Osteoarthritis in joint pains' published by Lupins Service to Medical Professor—1988 : Author : Dr. R. S. Dhir.

(e) 'Low Back Ache'—Published in the Medical Bulletin—ADONISCAN—1988. Author : Dr. S. Y. Bhojraj.

(f) 'Preliminary Report of continuous passive motion—a study of 13 cases : Published in postgraduate Journal of Medicine, K. E. M. Hospital.

(g) 'Open reduction and Internal of displaced supralar fractures of humerus in juvenile age group : Indian Journal of Surgery : Dr. S. Vaidya.

(h) 'Same paper : Dr. S. V. Vaidya : Published in Indian Gazette of Calcutta.

(i) 'Closed intramedullary nailing of middle third tibial shaft fractures—a new technique : Bombay Hospital Journal : Dr. S. V. Vaidya.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY :

Dr. Usha R. Krishna

1) Termination of Early pregnancy with RU 486 :

An ICMR study, First Annual Conf. of the Indian Society for the study of Reproduction and Fertility. Nov. 1988, IRR, Bombay.

2) Studies on 15(s) 15 Methyl PGF_{2a} by Intramuscular Route for second Trimester Abortion (2 hourly schedule). Multicentric study. Acta Obstet. Gynaecol. Scand. Suppl. 145 : 25-27, 1988.

3) Preoperative Cervical Dilatation by Prostaglandins. Published in Manual on Medical Termination of Pregnancy by FOGSI, 32nd All India Obst. & Gynaec. Congress, Mysore in December 1988, Pg. 81, Chap. 16.

4) Acceptance and Problems of Laparoscopic Sterilizations at and Industrial Family Welfare Centre Bombay. J. of Ob. Gyn. of India Vol. XXXVIII No. 5, Oct. 1988.

5) Second Trimester abortion with Ethacridine Lactate plus Carboprost—which is the best time to administer the Carboprost? Advances in Contraception 4 (1988) 151-157.

6) Foetal Maturity—published in proceedings of the All India Obst. & Gynaec. Annual Conference 1988, Pg. 19 and 20.

7) Preliminary experience in Chlamydia Infection. Proceedings Annual Conference of the All Indian Ob. Gyn. June 1988, Pg. 18—19.

8) Labetlol in the treatment of Hypertension during pregnancy 16th Annual Conference, All India Obst. & Gynaec. June 1988, Pg. 24-26.

Dr. I. N. Hinduja.

9) Role of Microbiology study in selection of subjects for in vitro fertilization and embryo transfer. Int. Journal March Res. 88, : 141 : 1988.

10) In vitro fertilization and embryo transfer in women. The National medical Journal Ind. 1 : 10 : 1988.

11) In vitro fertilization and embryo transfer in India. Journal In vitro Fertilization Emb. Transf. 1988.

12) Determining the osmolality of seminal fluid aids in the rapid diagnosis of the fertilizing potential of human spermatozoa., Journal In vitro fertilization Emb. Transfer.

Dr. S. V. Parulekar.

13) Fetal salvage in cord prolapse. 38 : 694 : 1988 Journal of Obst. & Gynaec. of India.

14) Diagnosis of lower genital infection by exfoliative Cytology. 38 : 338, 1988. Journal of Obst. & Gynaec of India.

15) Spontaneous evolution a new mechanism. 34(4) 258, 1988. Journal Post-graduate Medicine.

16) Book-Text book for Midwives.

C. V. T. C. LABORATORY :

Scientific papers presented.

1) Delivered Dr. Parthasarathy and Dr. Ramsvarup. Silver cane award oration 'at J. N. Medical College Belgaum and also participated in the continuing medical education programme in the same institute—June 1988.

2) Attended annual National conference of pathologists and Microbiologists at Calcutta 1988 and presented 2 papers.

1) Ebsteine anomaly—A morphologic study of 18 cases.

2) Interruption of aortic arch—pathogenesis and morphologic study of 11 cases. of Clinical Biochemists of India at Udaipur during February—27-29, 1988.

1) Enzyme determination in differential diagnosis of leukemia by Vinita Vajddya and Dr. S. P. Taskar.

2) Co-relation of serum cholesterol binding reserved with lipoproteins by Neeta Shenvi and Dr. S. P. Taskar.

3) Erythrocyte carbohydrate composition in patients undergoing open heart surgery by S. A. Rane and Dr. S. P. Taskar.

4) Levels of alpha-1-antitrypsin and IgE in chronic obstructive Pulmonary Disease by Laxmidevi C. Prabhakaran and Dr. S. P. Taskar.

5) Free-fatty acids as a prognostic indicator of myocardial damage. by Smita Keni and Dr. S. P. Taskar

6) Effect of Gemfibrozil on Hyperlipidemic Diabetic patients by Surekha Palkar, J. M. Sawant and Dr. S. P. Taskar.

7) Follow-up studies of immunological evaluation of patients affected by MIC at Bhopal by Dr. S. P. Taskar, S. G. Gangal, M. H. Karbi, B. F. Rubanff and S. R. Kamat.

Papers read at International Conference :

Paper read by Dr. (Mrs.) S. P. Taskar, Reader in Biochemistry at the 4th Asian Pacific congress of Clinical Biochemistry, Hongkon, August 28—September 2, 1988 namely.

Prevalence of risk factors in terms of lipids in an apparently healthy population in the coronary heart disease control programme S. P. Taskar, Dr. P. A. Kale and S. G. Kinare.

Scientific papers published :

1) Serial changes in acute phase proteins in cardiac surgery. J. of Post-Graduate Med. 34(2) 84-90 : 1988.

2) To quantitate compositional changes in High density lipoprotein in alcoholics and its correlation with liver enzymes.

Dr. PADMA SHASTRY :

1) Persistence of heart rective antibodies (HRA) in acute Rheumatic fever (ARF) and rheumatic heart disease (RHD) patients. Padma Shastry, Sita Naik, Marukh Joshi, Suman Kinare.

DEPARTMENT OF E. N. T.

Scientific paper published by the staff members :

Dr. S. B. Ogale.

1) The Original work done on use of cadaveric styloid process chain reconstruction has been done considered Best Original Article by the American Digest.

2) Styloid process in ossicular chain reconstruction published in British Journal of Laryngology & Otology in Feb. 1988.

3) Attended the Maharashtra Chapter meeting of Association of pathologists and microbiologists, held at Kolhapur chaired the whole meeting and conducted the slide seminar.

4) Conducted a workshop in cardiac pathology for students and teachers of medical colleges of Maharashtra on the ampices of Maharashtra Chapter in Dept., of Pathology of Seth G. S. Medical College (February 1988).

5) Delivered a lecture on Diabetes and vascular disease in the 2nd national workshop organised by Indian society of atherosclerosis and research in Nov. 1988.

Publications during the year 1988.

1) Renovascular hypertension due to nonspecific aorto-arteritis-proceedings of the II international meeting on hypertension held in Bombay. Pages 59-61. Published by National Council on hypertension.

2) Medinational tumors and tumorlike lesions. J. Post-Graduate Medicine. Vol. 34 : 72-79 : 1988.

3) Primary pulmonary hypertension in India. Indian Heart J. pages 378-385 : 1988.

4) Asplenia and polysplenia syndrome—A study of 28 cases. Indian Heart J. 433-38 : 1988.

Dr. Jaya Deshpande :

Papers presented and published :

1) Organised Cardiac Pathology workshop with Dr. S. G. Kinare, February 1988, G. S. Medical College, Parel, Bombay.

2) Vith CME Belgaum, May-June 1988.

a) Lecture on 'Cardiomyopathy'.

b) Demonstration of Cardiac specimens, Methods of study.

3) Association of Pathologists and Microbiologists. Ahmedabad August 1988.

Guest lecture—Autopsy methods of study of Ischaemic Heart Disease.

4) Atherosclerosis society of India October 1988. Demonstration of Cardiac specimens of Atherosclerosis, I. H. D.

Publications :

1) Primary pulmonary hypertension in India. Ind. Heart Journal. 1987 Vol. 39,9-16.

Dr. (Mrs.) S. P. Taskar.

Scientific papers presented at National and International Conferences

Papers presented at the XIV National Conference of Association

Scientific papers presented in National & International conferences.

Dr. M. V. Kirtane :

i) Presented paper at the International NES Meeting in Germany on 'Vestibular effects of I. V. Lignocaine at the A. O. I. conference in Udaipur conducted the Panel discussion on Sensori Neural Deafness.

DR. J. C. PATEL DEPT. OF HAEMATOLOGY.

List of Scientific papers published in 1988.

—'Effect of surface and freezing temperature on Factor VIII recovery in cryoprecipitate'

Mehta B. C., Kamath M. V. and V. Ray.

Indian J. Haematology 6 : 90-92, 1988.

—'Thalassemia intermedia—a case report'.

Mehta B. C., Parab R. B., and Laxman R.

Indian J. Haematology 6 : 103—105, 1988.

—'Iron deficiency and beta thalassaemia trait amongst pregnant women'.

Mehta B. C., Pandya B. G. and Menon A.

Ind. J. Hemat. 6 : 73-76, 1988.

DEPARTMENT OF GASTROENTEROLOGY :

Scientific papers published :

1) Prognostic value of serum prealbumin determination in acute viral hepatitis. Indian J. Gastroenterol, 1988, 7 : 27-9.

2) Effect of high dose liquid antacids on symptoms and endoscopic and histological changes in gastroduodenal mucosa in non-ulcer dyspepsia. Indian J. Gastroenterol, 7 : 81-3.

3) Efficacy of low dose intradermal hepatitis B. Vaccine. Indian J. Gastroenterol. 1988, 7 : 111.

4) Total colectomy, mucosal proctectomy and straight ileo-anal anastomosis in chronic ulcerative colitis : a follow-up study. Indian J. Gastroenterol. 1988, 7-205-8. + 1 case report, 2 invited articles, 1 book chapter.

DEPARTMENT OF NEPHROLOGY :

1) Rifampicin Nephrotoxicity—a word of caution Indian practitioner 1988, Vol. XLI-Pg. 561-567.

2) Evaluation of renal allograft function by ^{99m}Tc DTPA and ^{99m}Tc Sulphur Colloid Scans in Proceedings of International Symposium on the Applications of Dynamic functional study in Nuclear medicine in developing countries.

3) Acute renal failure due to Viperine Snake Bite as seen in Tropical Western India in Renal Failure 1988, Vol. 11, Pg. 33-35.

4) Some hormonal studies in patients of chronic renal failure before and after kidney transplantation. National Medical Journal of India, Oct. 1988.

DEPARTMENT OF MEDICINE :

Dr. M. E. Yeolekar :

1) Systemic Blood pressure : a clinical epidemiologic study with reference to age and sex (abst.). J. of Assn. of Phys. of India, Vol. 36, Jan. 1988. P. 126.

2) Antihypertensive therapy in cerebrovascular disease. Hypertension, India. Vol. 2. No. 1, Jan. — March, 1988, p. 135-137.

3) Disseminated intravascular coagulation and disturbances in carbohydrate and fat metabolism in acute myocarditis produced by scorpin (*Buthus tamulus*) Venom. Indian J. of Medical Research, March, 1988. 318-325.

4) Hypertension in acute stroke,—a prognostic indicator. The Indian Practitioner, Vol. XLI, No. 4, April-1988. P-253-256.

5) Brain CT scan in ischemic stroke, Journal of Association of Physicians of India. Vol. 36, April 1988, P.196.

6) Prognostication of ischemic strokes. Journal of Association of Physicians of India, 1988, 36 : 533-34.

7) Role of Universities and Higher Education for achievement of health objectives. The Indian Journal of Medical Education, 1987, Vol. XXVI, No. 2, 25-27 (Published in August 1988).

8) Drugs in transplant management. The Indian Practitioner, 1988, XLI, 9, 677-680.

9) Aspirin : Current status in vascular disorders. Drugs and therapeutics. Aushadhi, Indian Society for Clinical Pharmacology and Therapeutics, Oct.-Dec. 1988.

10) Systemic blood pressure : a clinical epidemiologic study with reference to age and sex. Hypertension India. (National Council on Hypertension). Oct.-Dec. 1988, Vol. II, No. 4, P. 79-82.

11) Sexual rehabilitation in disease states. The Indian Practitioner. No. 1988, Vol. 4, No. 12, P-801-806.

12) Utility of CT scans of the brain in patients with head injury. The Indian Practitioner, XLI, No. 10, 705-710, 1988.

DEPARTMENT OF UROLOGY :

1) A study of the Acceptability of Vasectomy in India. Sexology, pp. 68-71.

2) Hypothalamic-hypophyseal-Testicular Abnormalities. Arch. Androl. 20 : 137, 1988.

3) Varicocele : Current Perspectives. Proceedings of the 16th Annual Conference of the Bombay Obstetric and Gynaecological Society, Bombay, 4-5 June, 1988.

4) Arterio-venous Malformation of the Kidney. Indian J. Surg. 50 : 378, 1988.

5) Surgery and Balloon Angioplasty in Advanced Reno-Vascular Hypertension—(43 cases). J. Postgrad. Med. 34(2) : 61-66, 1988.

6) Post-transplant renal artery stenosis : Percutaneous Transluminal Angioplasty. J. Postgrad. Med., Feb. 1988.

DEPARTMENT OF NEONATOLOGY

Articles published

(1) In Indian Paediatrics :

- (a) Maxillary Osteomyelitis in a new born.
- (b) Congenital Histiocytosis.
- (c) Congenital mastocytosis.
- (d) Respiratory distress syndrome in new borns.

(2) In Journal of Post-graduate medicine :

- (a) Congenital malaria.
- (b) Transient hyperglycemia in a neonate.

(3) In Neonatology Forum Bulletin.

- (a) Prevention of Low Birth Weight babies.

DEPARTMENT OF PEDIATRICS.

Dr. S. F. Irani :

Articles published :

- (i) Respiratory distress in neonate : Indian Pediatrics.
- (ii) Maxillary Osteomyelitis in a newborn : Indian Pediatrics.
- (iii) Prevention of low birth weight babies : Neonatology.

Dr. B. A. Bharucha.

Conferences & Lectures :

1. Workshop on Implementation of Expanded programme of Immunisation.—Invited to speak on "Early immunisation with DTP & Pilio vaccine & important adverse reactions of vaccines". sponsored by Health Dept., of Bombay Municipal Corporation and Dept., of Preventive & Social Medicine Jan. 88.

2) Lecture on "Practical Management of Breast Feeding"—CME programme organised by Bombay Branch of I. A. P.—April'88.

3) National Workshop on Neonatal Nursing—sponsored by Division of Neonatology K. E. M. & National Neonatology Forum, October—November'88.

Rapporteur for two sessions.

4) Indo-British Symposium on Recent Advances in Perinatal Care-sponsored by British Council & Dept. of Pediatrics & Obstetrics Gynaecology, K.E. M. Hospital—Joint Organising Secretary—Dec.'88.

COURSES ATTENDED

Course on "Computers in Medicine"—organised by Dept. of Pharmacology—K. E. M. Hospital—through special sponsorship of the Dean, K.E.M. Hospital.

PUBLICATIONS :

- 1) Langer-Giedion Syndrome-Indian Pediatrics.
- 2) Caudal Regression Syndrome—Indian Pediatrics.
- 3) Practical Management of Breast feeding-CME Volume by Bombay Branch of I. A. P. on Recent Advances in Pediatrics-Editor : Dr. R. M. Joshi.
- 4) Syndrome Myxoma—Indian Pediatrics.
- 5) Idiopathic Interstitial Calcinosis—Indian Pediatrics.
- 6) Neurocutaneous diseases—a study of 61 cases—Indian Journal of Pediatrics.
- 7) The Mucopolysaccharidoses—a study of 48 cases. Indian Journal of Pediatrics.
- 8) Diagnostic approach to Course Facies—Indian Journal of Pediatrics.
- 9) Alkaptonuria—A study of 7 cases—Journal of Association of Physicians of India.

Dr. M. D. Shah.

Publications :

- 1) Penile Agenesis—in Indian Pediatrics.
- 2) Afebrile Pneumonia syndrome of infancy—in The Paediatric pulmonology Update—I.
- 3) Bronchial Asthma—in The paediatric Pulmonology Update—I.
- 4) Mucolytic agents.—in The Paediatric Pulmonology Update—I.
- 5) Focal convulsions in Children.—Journal of Tropical Paediatrics.

Dr. P. W. Kandoth

Publications :

- 1) Clinical profile of AGN—Typical & variable (accepted) Journal of Tropical Ped. London—March 1988.
- 2) Multiple pyogenic liver abscess in 1½ month old child. Ind. Journal of Gastroenterology, Vol. 7, No. 1 Jan. 1988.
- 3) Congenital Nephrotic Syndrome (Finnish type)—accepted. Journal of Pathology & Microbiology.
- 4) Childhood pulmonary hydatid cyst. (accepted). Ind. J. of Chest Disease—Allied Sciences.—11-4-88.
- 5) Letterer-Siwe Disease (Histiocytosis) Jr. of Post Gr. Medicine 1988, 34(2) 111-113.
- 6) Polymorphonuclear leukocytic function in patients with acute Rh fever (RF) and Rheumatic Heart Disease.
S. Naik, Dr. J. R. Kamat, Dr. M. K. Joshi, Dr. P. W. Kandoth. J. Clin. Lab. Immunology.
- 7) Immunization—Importance of cold chain.
Dr. J. R. Kamat, Dr. P. W. Kandoth.

Dr. (Miss) Keya R. Lahiri.

PUBLICATION—INTERNATIONAL :

- Clinical profile of acute glomerulonephritis. Typical and variable. Accepted : Jr. of Tropical Paediatrics (London) Oct. '88.
- Enzyme linked assay for detection of Myco-TB specific IgG antibody in CSF in cases of TBM. Accepted : Jr. of Tropical Paediatrics (London) June 88.

NATIONAL :

- Multiple pyogenic liver abscesses in a 1½ month old. Ind. Jr. Gastroenterol Vol. 7, No. 1, Jan., 1988.
- Letterer-Siwe Disease (Histiocytosis-X) case report with review of literature. Jr. Post. Grad. Medicine 34 (2), 11-113, 1988.
- Congenital Nephrotic Syndrome (Finnish type) Ind. Jr. Of Pathology and Microbiology.
- Childhood pulmonary hydatid apt. accepted Ind. Jr. of Chest diseases and allied Sciences, April, 1988.
- Malignant Histiocytosis in an infant. Accepted : Jr. of Vivekananda Inst. of Medical Sciences, March, 1988.
- Mukokinetic agents—A review article, in the Respiratory Bulletin of IAP.

Dr. N. B. Kumta:

PUBLICATIONS :1988.

1. Langer Giedon Syndrome—Ind. Pediatrics. 25(1), 1988 pp. 99-101.
2. Caudal Regression Syndrome—Ind. Pediatrics. 25(3), 1988, pp. 299—302.
3. Neurocutaneous Diseases a study of 61 cases.—Ind. U. Pediatrics. 55, 1988, pp. 617—626.
4. Syndrome Myxoma—Ind. Pediatrics. 25(9), 1988, 888—891.
5. Alkaptonuria a series of seven cases. — JAPI, 1988, 36(9), pp. 565—566.
6. Idiopathic Interstitial Calcinosi. Ind. Pediatrics. 25(10), 1988, pp. 1002—1005.
7. Diagnostic Approach to Course Facies.—Ind. J. Pediatrics. 55, pp. 861—870, 1988.
8. The Mucopolysaccharidoses a study of 48 cases.—Ind. J. Pediatrics. 55, pp. 919—925, 1988.

DEPARTMENT OF PSYCHIATRY :

1. Benzodiazepine and counselling in Minor Psychoneurotic Disorder—W. H. O. publication, Geneva, 1988 (Contributor).
2. Revaluation of Electro—convulsive Therapy in Schizophrenia, Convulsive Therapy, Page 217; Nov. 1988.

DEPARTMENT OF PATHOLOGY:

Scientific papers published by Staff Members.

1. Effects of high dose liquid antacids on symptoms and endoscopic and histological changes in gastrointestinal mucosa in non—ulcer dyspepsia. Dr. I. M. Vora—Ind. J. Gastroentero. 7 : 81—83, 1988.
2. Primary pulmonary hypertension in India. Dr. J. Deshpande Ind. Heart J. 39 : 9—16, 1987.
3. Hair root morphology—an index of malnutrition S. Y. Sane — J. Postgrad. Med. 34 : 169, 1988.
4. Total renal infarct caused by Phycomycosis. S. Y. Sane, J. Postgrad. Med. 34 : 45, 1988.
5. Papillary cystadenoma of laryngeal sac. S. Y. Sane, J. Applied Med.

6. Phcochromocytoma of urinary bladder. S. Y. Sane and B. V. Mittal, J. Applied Med., 14 : 65—66, 1988.
7. Congenital nephrotic syndrome of Finish type B. V. Mittal and S. Y. Sane. Ind. J. Path. Micro. 3 : 326—29, 1988.
8. Direct immunofluorescence studies on skin biosies in lupus erythematosus. B. V. Mittal at al —J. Postgrad, Med., 34 : 165—168.
9. Letter since disease — A case report. S. Y. Sane, J. Postgrad. Med. 34 : 1/1, 1988.
10. Multifoccal eosinophilic granuloma — case report. S. Y. Sane. J. Postgrad. Med. 34 : 248, 1988.
11. Fine needle aspiration cytology of breast tumours. A. A. Pandit, K. S. Mayekar and FP Candes. Ind. J. Cancer, 25(3), 1988.
12. Cytology as an aid in the diagnosis of genital tuberculosis. KHILNANI PH, Pandit, AA & Usha Krishana. J. Postgrad. Med. 34(7) 100—102, 1988.

DEPARTMENT OF PHARMACOLOGY :

1. Plasma rifampicin levels during oral contraception. K. C. Gupta, J. V. Joshi, P. S. Anklesaria, R. S. Shah, and R. S. Satoskar, J. Asso. Phys. IND. Vol. 36, No. 6 (365—366) June 88.
2. Plasma levels of dapson in oral contraceptive users. R. S. Shah, J. V. Joshi, U. Chadha, K. T. Hazari, K. C. Gupta and P. S. Anklesaria : Therapeutics and Drugs Jan. Mar. 88 pp 7 & 8.
3. Effect of food on the absorption and pharmacokinetics of sulphadiazine and trimethoprim after administration of Aubril to healthy human volunteers.—R. S. Ghosh, A. D. Bhatt, S. C. Bhatia, S. J. Shah, M. M. Banavalikar, N. N. Shah; S. N. Revankar, E. D. Bharucha, N. D. Desai, K. C. Gupta and A. B. Vaidya, J. Association Phys. Ind. Vol. 36 No. 10 pp. 607—610, 1988.
4. Comparative bioavailability with two brands of carbamazepine Tegret—ol and Mazetol in healthy volunteers.—S. C. Bhatia, A. D. Bhatt, R. J. Bakshi, S. N. Revankar, E. D. Bharucha, K. J. Joshi, S. S. Nagarsenkar, N. N. Shah, K. U. Marthak, H. V. Bolar, S. P. Sane, K. C. Gupta, A. B. Vaidya, J. Asso. Phys. Ind. Vol. 36 No. 10 Pg, 611—612.
5. Anti—allergic properties of *Tinospora cordifolia* in animal models. Sunanda S. Nayampalli, N. K. Desai, S. S. Ainapure, Ind. J. Pharmac. 18, 250—252 1986 (Issued published in Oct. 1988).
6. Comparative study of diuretic effect oof *Tinospora cordifolia* and hydrochlorothisizide in rats and a preliminary phase I study in human volunteers. S. S. Nayampalli, S. S. Ainapure, B. D. Samant, R. Kudtarkar, N. K. Desai and K. C. Gupta, J. Post—grad. Med. XXXIV No. 4 Oct. 1988.
7. An article published in the Souvenir of XXI Annual conference of Indian Pharmacological Society during Dec. 29, 31st 1988. "Neurobiology of Memory and its correlation to learning" S. S. Nayampalli, B. D. Samant, S. A. Barodawalla, U. P. Dave and Mehta A. V.
8. Comparative bioavailability of 2 intramuscular diazepam preparations.—M. V. Joshi, M. R. Takle, S. M. Pohujani, N. A. Kshirsagar : Ind. Drugs 293—295, 1988.
9. Effect of Ascariasis and its treatment of drug absorption.—N. A. Kshirasagar, M. V. Joshi, M. R. Takle, V. N. Acharaya, R. S. Satoska Eur. J. Clin. Pharma. 217—219 34, 1988.
10. Effect of iron deficiency anemia on phenformin absorption Xenobiotics, 18, 10, 88Pp. 1135.
11. Influence of menstrual cycle on antipyrine pharmacokinetics in healthy Indian female colunteers. Br. J. Clin. Pharmacol 26(5) 1988.
12. Effect of single and multiple doses of acetylsalicylic acid on platelet aggregation : Ind. Heart J. Vol. 40(1) 1988.
13. Acute drug—interaction between indomethacin and nifed—ipine in hypertensive patients.—U. M. Thatte, S. J. Shah, S. S. Dalvi, S. Suraokar, P. Tembulkar, P. Anklesaria and N. A. Kshirsagar, JAPI 1988, Vol. 36 No. 12.
14. Immunotherapeutic modification by *Tinospora cordifolia* of abdominal sepsis induced by caecal ligation in rats. by Sharadini Dahanukar, Urmila Thatte, N. Pai P. B. More and S. M. Karandikar. : Ind. Gastroentrol (1988) 7, 21—323.
15. Noncorrelation of invitro and invivo bioavailability studies : Nirmala Rege, Sharadini Dahanukar Annie Issac : Ind. Practitioner (Feb. 1988).
16. Rasayana concept of Ayurveda : Myth or reality, Sharadini Dahanukar and Urmila Thatte. Ind. Practitioner (1988) Vol. XLI, 245—252.
17. 'SMX—TMP ration potency and correlation of methods of assay' : N. N. Rege, A. John, N. K. Desai, S. A. Dahanukar and S. M. Karandikar, Ind. Practitioner (1988) XLI Pp. 305—309.
18. A comparison of the plasma profiles of two sustained release theophylline preparations in healthy volunteers.—Sharadini Dahanukar, Nirmala Rege, N. K. Desai and S. M. Karandikar. : Indian Practitioner (1988) XLI Pp. 413—417.
19. Comparative study of immunomodulating activity of Indian Medicinal Plants. Lithium carbonate and glucan : Urmila Thatte and Sharadini Dahanukar, Methods and findings 10, 1988, 639—644.
20. Benzodiazepiner and antidepressants in General Medical Prectice : U. M. Thatte, N. A. Kshirsagar and S. M. Karandikar Bombay Hospital J. April 1988 Vol. 30, No. 2 Pp. 45—53.

DEPARTMENT OF PHYSIOLOGY :

Publication of Dr. Mrs. Anita Tripathi — Tripathi A., G. Mack, and E. H. Naad, — Peripheral vascular reflexes elicited during lower body negative pressure, Aviation space and Environmental Medicine. In Press, 1989.

DEPARTMENT OF GENERAL SURGERY :

Dr. A. B. Samsi :

1. Scientific papers presented at National & International conference during 1988. Prognostic factors in Upper G. I. haemorrhage presented at Masicon 1988.

2. Scientific papers published : Carbuncle — A conservative approach — Abstract published in Indian Journal of Medical Sciences. Vol. 42/6, 152, 1988(June).

Dr. R. D. Bapat & Dr. R. G. Relekar :

1. Scientific papers presented at National & International Conferences during year 1988.

a) 6th Biennial Meeting of Asian Pacific Association for the study of liver, New Delhi, February, 1988. Antipyrine clearance : Prognostic marker for surgical jaundice. H. M. Nazareth, Nirmala Rege, V. K. Nayak, N. K. Desai, V. Someshwar, Sharadini Dahanukar and R. D. Bapat.

b) Depressed polymorphonuclear cell (PMN) function in patients with Surgical jaundice. Nirmala Rege, Mala Kulkarni, H. M. Nazareth, N. K. Desai, R. D. Bapat, Sharadini Dahanukar. 6th Biennial meeting of Asian Pacific Association for the study of liver, New Delhi, February 1988.

c) Immunostimulant effect of *Tinospora cordifolia* in experimental surgical jaundice. : Nirmala Rege, S. P. Malagi, P. B. More, H. M. Nazareth, R. D. Bapat, Sharadini Dahanukar, 6th Biennial Meeting of Asian Pacific Association for the study of liver, New Delhi, February 1988.

d) Can HIDA substitute for peroperative cholangiogram Maharashtra chapter of ASI, February 27—28 1988.

2. Presentations at 29th Annual Conference of ISG, Ahmedabad Oct. 29/Nov. 1, 1988 — Dr. R. G. Relekar, Lecturer, Dr. R. D. Bapat.

a) Immunosuppression in Surgical Jaundice and its Modulation with *Tinospora Cordifolia*. Plenary Session for Searle Award.

b) Management of Oesophageal Traumatic injuries and corrosive strictures by Oesophagotomy and Esophageal dilatations.

c) Natural History of acute pancreatitis.

d) Can HIDA avoid peroperative cholangiogram (PCO).

3. Presented at Annual Conference of Indian Pharmacological Society held at Hyderabad 29—31st December 1988 for Achari Prize Session.

Immunotherapeutic effects of *Tinospora Cordifolia* in Surgical jaundice.

4. Scientific papers published during 1988.

a) Berium peritonitis (a case report), J Postgrad Med. 34(2) : 103—104.

b) Modified Thyroidectomy in Benign Thyroid Disease. J. Postgrad Med. 34(3) : 127—131. Dr. R. D. Bapat, Dr. R. G. Relekar.

c) Secondary Hodgkin's Lymphoma of stomach (A case report) J. Postgrad Med. 34(3) : 188—189.

d) Total colectomy, Mucosal proctectomy and straight ileoanal anastomosis in Chr. ulcerative colitis—A follow up study. Ind. J. of Gastroenterol Vol. 7 No. 4, Oct. 1988 205—210.

Dr. C. V. Patel : Scientific papers published.

1. Control—Embolisation Jour. of Postgraduate Medicine.

2. Calcifying-nect-Indian Journal of Surgery.

Dr. S. K. Mathur:

1. Scientific papers presented at National & International Conferences.

a) 6th Biennial Scientific meeting of Asian Pacific Association for the study of the liver - February 1988.

i) Control of Esophageal varices with circular stapler.

ii) Adult Polycystic disease of liver.

iii) Gastric varices in Portal Hypertension.

iv) Oesophageal Variceal Sclerotherapy with 3% phenol in the management of portal hypertension.

v) Gastro-oesophageal stapling with Transabdominal Porto Azygos disconnection in the management of active Variceal bleeding.

2. Scientific papers published during the year 1988.

a) Pigment Calculi-structure and composition. Ind. J. Gastroenterology 1988, 7 : 9-11.

b) Trace elements in Biliary Calculi. Ind. J. Gastroenterol. 1988, 7: 15-17.

- c) Neurilenmoma of the cervical 1 vagus nerve (A case report with review of literature). *Ind. J. Surg.* 1988, 50 : 84-86.
- d) Gastric carcinoid - A rare malignant tumour of the stomach *J. Post. Graduate Med.* 1988, 34: 51-53.

DEPARTMENT OF SKIN & VENERAL DISEASE :

Scientific papers presented at National & International conference by staff members or department.

1. i) Purpura Fulminans - A case report.
- ii) Pachyonychia congenita.
- iii) Clinical, Bacteriological and immunological profile of 20 patients with dermatitis cruris pustulosa at Atrophicans (DCPA).
2. Dr. D. A. Parikh is invited to deliver a guest lecture on 'Cutaneous Markers of Genetic Diseases Geno Dermatoses' at XVIth All Indian Association of Paediatrics held at Jodhpur in Oct. 1988.

DEPARTMENT OF PSYCHIATRY :

Papers presented in conferences.

1. A clinical trial of Sintamil in Elderly depressed patients - Presented Dr. Shubhangini Parker - Authors Dr. L. P. Shah, D. M. Nadkarni, P. R. Nayak, S. R. Parker, in 40th Annual conference of I. P. S. held at Varanasi.
2. A Laison orogramme for suicidal patients - Presented by Shubhangi Parker - Authors Dr. Shubhangi Parker, Dr. L. P. Shah and Miss Gopalani in 40th Annual conference of I. P. S. held at Varanasi.
3. A study of psychiatric morbidity in patients over 60 attending Gerontology clinic. Presented by Dr. Shubhangi Parker - Authors Dr. Shubhangi Parker, Dr. Vikram Patil, Dr. Ashwin Patkar, Dr. Kaustubh Muzumdar and Dr. L. P. Shah in West Zone conference 1988 (I. P. S.) Kolhapur.
4. Psychosocial evaluation of patients treated for Schizophrenia presented by Miss J. H. Gopalani - Authors Miss J. H. Gopalani, Dr. Hemant Belsara, Dr. P. V. Pradhan, Dr. Ashwin Patkar, Dr. Suma Balgopal, Dr. L. P. Shah at West Zone Conference I. P. S. held at Kolhapur in 1988.
5. A study of Schizophrenia-treatment and follow-up study of one month and three months. Presented by Dr. Suma Balgopal, Dr. P. V. Pradhan, Dr. Hemant Belsara, Dr. Ashwin Patkar, Dr. Suma Balgopal Dr. L. P. Shah at West Zone Conference, I. P. S. held at Kolhapur in 88.
6. A study of Psychosocial factors in female patients with attempted suicide. Presented by Dr. L. P. Shah and Miss J. H. Gopalani.

DEPARTMENT OF PATHOLOGY :

Scientific Papers presented by the staff members as National and International Conferences :

37th Annual Conference of Indian Association of Pathologist and Microbiologists held at Calcutta in December, 1988.

1. Huntingtons disease. A neuropathological study of 8 cases. Dr. A. P. Desai.
2. Colitis cystica profunda - A report of 3 cases. Dr. Charusmitha Merchant, Dr. Amita Joshi & Dr. I. M. Vora.
3. Histiocytosis X - Clinicopathological study of 18 pediatric cases - Dr. S. Y. Sane & Dr. K. Nainany.
4. Identification of renal crystalline deposits in metabolic error - Dr. Chetan Arora & Dr. S. Y. Sane.
5. Hepatic infarctions - Clinicopathological features Part I and Part II - Dr. V. L. Waghlikar, Dr. N. Lanjiwar, Dr. I. M. Vora, and Dr. K. P. Deodhar.
6. A study of Ebstein's anomaly. Dr. C. V. Madiwade, Dr. J. Deshpande & Dr. S. G. Kinare.
7. Interruption of the aortic arch - A study of 12 cases - Dr. Ashs Shenoy, Dr. J. Deshpande & Dr. S. G. Kinare.

DEPARTMENT OF PHARMACOLOGY :

Papers presented :

Phagocytic and bactericidal capacity of polymorphonuclear leucocytes in neonates. (National prenatalology conference, B. J. Medical College, Pune, Feb. 23-25, 1989).

In-vitro effect of intravenous immunoglobulin on Phagocytosis and opsonic activity in neonates. (National prenatalology conference, B. J. Med. College, Pune Feb. 23-25, 1989).

APPENDIX—VIII

DEPARTMENT OF ANAESTHESIOLOGY.

Dr. M. M. Bhatt, delivered an oration of 'Cardiac Anaesthesia past, present & future' and participated in symposium on Anaesthesia for coronary artery surgery in October 1988. Delivered Dr. Trupti Panday memorial oration at Jabalpur in Sept. 1988. Guest Speaker at Gujarat state branch conference in November 1988. Organised the IV Maharashtra Anaesthetists Convention in April 1988. Moderated the Panel discussion on 'Update in Anaesthesia for Surgeons' - MASICON-1988-Bombay. Participated in 10th Maharashtra Chapter Convention of I. S. A. in February 1988.

Dr. D. Das Gupta delivered guest lecture on 'Respiratory Care' at Darbhange in Bihar State Meeting in October 1988. Also delivered guest lecture in Indian Pain Campus at Hyderabad in March 1988 on 'Psychological Aspect of Pain'. One of the organisers in IV Maharashtra Anaesthetists Convention-April 1988, moderator in the Scientific Session, panelist in Panel Discussion on 'Newer Muscle Relaxants'. In I. S. A. Annual Conference, 1988 at Udaipur-December 1988 C. M. E. lecture on 'Breathing Circuits', panelist in Clinical Pharmacology, judge for Dr. Rukemini Pandit annual award.

Dr. L. S. Chaudhari participated in Panel Discussion on Laparoscopy in the XIII Endoscopy courses at K. E. M. Hospital from 21st to 26th March 1988. Attended 3rd National Conference-Research Society of Anaesthesiology, Clinical Pharmacology at Pune, Faculty member for the course 'The XII Temporal Microsurgery' conducted by Research Society & Department of Otorhinolaryngology at Seth G. S. M. College. Organisation of the Scientific Session of IV Maharashtra Anaesthetists Convention-April 1988, chair person in the Scientific Session on 'Open House' in the IV Maharashtra Anaesthetists Convention.

Dr. S. K. Kamath participated in the Panel Discussion on 'Update in anaesthesia for surgeons'-MASICON-1988 Bombay. Attended conference of clinical pharmacology anaesthesia for coronary artery surgery Poona-October 1988. Organisation of the Scientific session of IV Maharashtra Anaesthetists convention-April 1988.

Dr. L. V. Tuteja participated in 4th Maharashtra Anaesthetists Convention in April 1988 and presented paper on 'Role of Methylethylmagnesium Maleate in prevention of spinal hypotension' at 37th Annual Conference of I. S. A. at Udaipur from 27th—30th December 1988.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY CONFERENCE,

WORKSHOP, SEMINAR ATTENDED

Dr. M. S. Bhattacharyya :

Attended Workshop at Madras and microsurgical training in U. S. A. for setting up a Centre of Excellence for sterilization and Recanalisation, Nov.-Dec. 1988.

Dr. U. R. Krishna.

Convener for Seminar on 'Recent Advances in Obst. Gynaec by BOGS in collaboration with Chinmaya Inst. for CEM from 1-4 July 1988, Bombay.

XXVI BOGS Annual Conference, 4-5 June 1988. Gave Key note address on foetal maturity.

The middle years-A Changing science-Seminar by Wadala Jaycees, 31-7-88, Bombay. Spoke on 'Women in their middle Years.'

2nd Conference of Maharashtra State Ob. Gyn. Societies on 1-2 Oct. 1988, at Nasik, Spoke on Electronic foetal heart rate Monitoring during Preg. & Labour.

1st Annual Conference of the Indian Society for the Study of Reproduction and Fertility at I. R. R. Bombay from 3-6 Nov. 1988. Spoke on Termination of Early Pregnancy by RU 486.

WHO Task Force on Contraception at I. R. R. Nov. 1988. Presented data on Ru-486.

32nd All India Congress in Ob. Gynaec at Mysore, Dec. 1988. Spoke on Drug Addiction of Mother on Foetus. Chaired Session on Moderated Symposium on Recent Advances in PG.

FOGSI CME Programme, Mysore 27-12-1988. Spoke on Problems of Maternal Drug Addiction and the fetus.

4th Maharashtra State Anaesthesiologists Convention, April 16, 1988, Bombay spoke on 'The Surgeons Speak-What we need from You.'

The Jamnagar Ob. Gyn. Society Seminar. 2-3 April, 1988. Spoke on Pregnancy Wastage.

Indoor Ob. & Gyn. Society Seminar, 19, March 1988. Spoke on 'Recurrent Pregnancy Loss'.

Dr. I. N. Hinduja :

1st Annual Conference of the Indian Society for the study of Reproduction and Fertility, Bombay. Nov. 1988.

First Afro-Asia Oceania Congress of Anatomists-New Delhi 1988.

C. V. T. C. LABORATORY

Dr. Padma Shastri.

1) Antibodies to N. Acetylglucosamine and heparin in acute and remission phases of rheumatic fever and rheumatic heart disease.

Presented at Indian Immunology Society meeting at Siliguri 1988. (28th Nov.—2nd Dec.)

DEPARTMENT OF CARDIOLOGY—Unit-I

Scientific papers presented at National & International Conference by Staff members of department :

- 1) Asplenia Polysplenia syndrome-A study of 28 cases.
- 2) Tenolol in Angina Pectoris.
- 3) IVC interruption in a case of TOF.
- 4) Double outlet right ventricle in inverted position (Under Publication.)
- 5) Baloon dilatation in coarctation of aorta, aortoarterities, tricuspid stenosis in dextrocardia.
- 6) Prospective study of 35 patients with exudative pericardial effusion : with special reference to constriction, clinical, radiological and electrocardiographic features.
- 7) Haemodynamic study of 35 patients of pericardial effusion with special reference to pericardial constriction : A prospective study.
- 8) 10 unusual cases of DORV in a study of 20 cases.
- 9) Segmental analysis of 15 cases of dextrocardia.
- 10) Unusual complex-congenital heart lesions a study of 20 cases.
- 11) Catheter entrapment followinf IVC spasm.
- 12) Amyloid Heart-A case report.
- 13) Prospective study of 35 patients with exudative pericardial effusion : with special reference to constriction. Clinical, radiological and electrocardiographic features.
- 14) Comparative haemodynamic features in constrictive pericarditis preoperatively and postoperatively at 3 weeks and 3 months.
- 15) Tenolol in Angina Pectoris-Under publication.

Dr. J. C. PATEL DEPT. OF HAEMATOLOGY.

Scientific papers presented by department during the year 1988-89.

- (A) 43rd Annual Conference of Association of Physicians of India, January 1988.
 - (a) Anemia-Clinical approach.
 - (b) Renal function in iron deficiency anemia.
- (B) 22nd Congress of International Society of Hematology, Aug-Sept. 1988.
 - (a) Effect of iron therapy on renal function.
 - (b) NESTROFT for screening the population for beta thalassemia trait.

DEPARTMENT OF GASTROENTEROLOGY.

Scientific papers presented at National/International Conferences.

- i) Effect of feeding lactobacilli on the intestinal flora and fecal enzyme activity in patients with irritable bowel syndrome. Indian Association of Medical Microbiologists, Trivandrum.

DEPARTMENT OF NEPHROLOGY.

Scientific papers presented at National and International Conferences by Staff members of department.

In Indian Society of Nephrology : Jan. 1988.

- (1) Pattern of Renal Amyloidosis as seen in western India-A study of 104 cases.
- (2) Hormonal Profile of patients of Chronic renal failure before and after renal transplantation.
- (3) Correlative observations on Technicium Colloid Renal Scans and Renal histopathology in renal transplant rejection.

II-In Western Zone Chapter meeting of the Indian Society of Nephrology held at Baroda in Nov. 1988.

- (1) Pregnancy and Lupus Nephritis.
- (2) Value of Fine Needle Aspiration Cytology (FNAC) in the diagnosis and prognosis of renal allograft rejection. (This paper read by Dr. J. D. Desai got the first prize in the Awards Session).

III-In the XII Asian Conference on Occupation health.

- (1) Re-appraisal of Urinary Tract Infection (UTI) as a health hazard.

IV-First World Congress of oriental medicine and Yoga Bankok-1988.

- (1) Antibiotics in Urinary Tract Infection.

V-At the first meeting of the Indian Society of Organ.

Transplantation held in Jan. 1988, following papers were presented.

1) Post transplant Diabetes in Indian renal allograft recipients.

(This paper read by Dr. L. H. Suralkal, received the Best paper award from the Medical Group.)

2) Renal transplant rejection-Diagnosis evaluation by 99m Technicium Sulphur Colloid Scanning.

VI-At the Annual meeting of Indian Association of Microbiologists the following papers were presented :

1) Comparative in vitro antimicrobial activity of urinary pathogens against Nalidixic acid and 3 newer flouroquinolones.

2) Effect of feeding Lactobacilli on the intestinal flora and faecal enzyme activity in patients with irritable bowel syndrome.

DEPARTMENT OF MEDICINE

Scientific papers presented from the Department of Medicine at the Indian Rheumatism Association Conference held at Madras in December 1988 : Following papers were presented from Rheumatology .

Unit:

- 1) Role of compliments in rheumatoid arthritis.
- 2) Nuclear Medicine in Rheumatology service.
- 3) Immuno-modulator drugs in rheumatoid arthritis.
- 4) Amyloidosis in rheumatoid arthritis.

Dr. M. E. Yeolekar, Professor of Medicine.

5) Annual conference of Assoc. Phys. India. Jan. 1988, Pune. Paper : "Cerebrospinal FLUID enzymes in acute ischemic cerebrovascular stroke". Chairman in one session in Neurology. (Meningitis).

6) National Council on Hypertension :

Annual Conference, Jan. 1988, Pune. Paper "Systemic Blood Pressure : A clinical epidemiologic study with reference to age and sex".

7) Bombay Medical Congress, Jan. 1988, Bombay.

Paper : 'Observations at cerebrovascular stroke-Follow up'.

8) Annual Conference Ind. Assoc. of Adv. Med. Ed., Ahmedabad. Feb. 1988. Keynote address on "National Policy on medical education : Interlinkages with national health policy and national education policy. Chairman at two session in the conference.

DEPARTMENT OF UROLOGY.

	Name of the Teacher	Name/Theme of the Conference, Workshop	Dates & Place	Title of the paper presented.
1	2	3	4	5
1)	Dr. S. V. Punekar	C.U.E. programme of Urological Society of India, West Zone.	7th Feb. 1988 J. J. Hospital, Bombay.	"Vesico-ureteral Reflux"
2)	Dr. D. S. Pardanani Dr. S. V. Punekar.	Staff Society.	20th Feb. 1988. K.E.M. Hospital, Bombay.	Experience with Percutaneous surg. of Renal calculi.
3)	Dr. S. V. Punekar.	C.M.E. Programme. MASICON.	26th Feb. 1988 K.E.M. Hospital, Bombay.	Endoscopic Management of Urethral Stricture.
4)	Dr. Rupin Shah/ Dr. D. S. Pardanani.	National Seminar on Impotence & Male Infertility.	21-22 March 88. Bombay.	Neurovascular Mechanism of Penile Erection.
5)	Dr. D. S. Pardanani & Male Infertility.	National Seminar on Impotence & Male Infertility.	21-22 March 88, Bombay.	Inter-Cavernosal Injection of Papaverine for Diagnosis of Impotence.
6)	Dr. D. S. Pardanani Dr. Rupin Shah.	National Seminar on Impotence & Male Infertility.	21-22 March 88, Bombay.	Symposium on Impotence.
7)	Dr. D. S. Pardanani	National Seminar on Impotence & Male Infertility.	21-22 March 88. Bombay.	Vanogenic Impotence Diagnosis & Surg. Treatment.
8)	Dr. D. S. Pardanani	National Seminar on Impotence & Male Infertility.	21-22 March 88, Bombay.	Testicular Histology in the Diagnosis of Male Infertility.
9)	Dr. D. S. Pardanani	National Seminar on Impotence & Male Infertility.	21-22 March 88.	Varicocele Diagnosis Management & current controversies.

	Name of the Teacher	Name/Theme of the Conference, Workshop	Date & Place	Title of the paper presented.
1	2	3	4	5
10)	Dr. D. S. Pardanani	National Seminar on Impotence & Male Infertility.	21-22 March 88, Bombay.	Moderator of panel on Male Infertility.
11)	Dr. D. S. Pardanani	East Zone CME in Urology of U.I.S.I. BHU.	26-28 March 88, Varanasi	Surgical Management Male Infertility & Impotence.
12)	Dr. S. V. Punekar	Maharashtra Chapter of association of Anaesthesiologist of India.	April 17, 88. K.E.M. Hospital, Bombay.	Symposium "What do you need from us"
13)	Dr. Rupin Shah Dr. D. S. Pardanani.	Conference of the Bombay Obst. & Gynaecological Society, Bombay.	4-5 June, 88 Bombay.	Varicocele-Current Perspectives.
14)	Dr. D. S. Pardanani	Annual Meeting of IMA.	24th July 88. Chembur.	Management of Urinary stones Recent Trends.
15)	Dr. D. S. Pardanani	Annual ASI Conference, New Delhi.	27-30 Dec. 88.	Vascular Studies of the Dog Ureter.
16)	Dr. Rupin Shah	Micro surgery Workshop, Bangalore	August 1988	Demonstration of Operative Technique.
17)	Dr. M. S. Kirloskar Dr. Rupin Shah Dr. D. S. Pardanani Dr. Manu Sobti et al.	U. S. I. Annual Conference, Patna	23-26 Oct. 88.	Fracture Pelvis Poster Presentation.
18)	Dr. S. V. Sabnis Dr. Rupin Shah Dr. D. S. Pardanani	U. S. I. Annual Conference, Patna	23-26 Oct. 88.	Complications of I. C. Papaverine Injection.
19)	Dr. Rupin Shah	U. S. I. Annual Conference, Patna.	23-26 Oct. 88.	Referring the Urologists Knee Jerk.
20)	Dr. Rupin Shah Dr. D. S. Pardanani	U. S. I. Annual Conference Patana	23-26 Oct. 88.	Vedio presentation on Two layer Vas Anastomosis.
21)	Dr. Rupin Shah Dr. A. C. Gulanikar, Dr. D. S. Pardanani	U. S. I. Annual Conference, Patana	23-26 Oct. 88.	Objective evaluation of Panile Rigidity (Poster Presentation).
22)	Dr. P. F. Sonawalla Dr. D. S. Pardanani Dr. A. C. Gulaniker et al.	ASI Annual Conference, New Delhi	27-30 Dec. 88.	Clinical significance of Bacterio Spermia.

DEPT. OF RESPIRATORY MEDICINE & E. P. R. C.

Scientific papers presented at National & International Conference by Staff members of department.

Sr. No.	Name of the Teacher	Name/Theme of the Seminar/ conference workshop and Name of Organiser.	Date & Place	Title of the paper
1)	Dr. S. R. Kamat	"Seminar-Therapeutics in Cough" (Richardson Hindustan Ltd.)	Bombay 10-1-88.	"Cough: Aetiology and management".
2)	Dr. S. R. Kamat	"Seminar-Role of Industry in the Environmental Safety of New Bombay" Committee)	New Bombay 5-3-88.	"Role of Industry in Environmental safety of New Bombay".
3)	Dr. S. R. Kamat	Conference-6th All India Annual Convention on Water Pollution & Air Pollution 1988. (National Centre for Technical Development).	Bombay 4-4-88 6-4-88	a) Present status of chemical and bacteriological pollution of water in urban environment and urban water supply sources. b) Air Pollution control strategy-lesson from Bhopal disaster.
4)	Dr. S. R. Kamat	Symposium-"Distster prevention & crisis management" (Envirotech 88)	24-9-88 Bombay.	The Medical aspects of offsite planning Lessons from Bhopal.

	Name of the Teacher	Name/Theme of the Conference, Workshop	Dates & Place	Title of the paper presented.
1	2	3	4	5
5)	Dr. S. R. Kamat	Respiratory Medicine update 1988. (Maulana Azad Medical College & G. B. Pant Hospital.	9-10-88 Delhi.	"Air pollution and occupational hazards".
6)	Dr. S. R. Kamat	Workshop on Health problem in 14-16th Oct. 88. Ladaka" (Leh Nutrition project, Leh, U & K)		"High Altitude Adaptation."
7)	Dr. S. R. Kamat	"Workshop on Ambient & source monitoring techniques for air pollution". (National Society for Air pollution control)	28-10-88 Bombay.	"Air Quality & Human Health".
8)	Dr. S. R. Kamat	"XII Asian Conference on Occupational ahealth" (Indian Association of Occupational Health)	18-22nd Nov. 88 Bombay	"A study of respiratory morbidity in residents and workers around stone quarry in Bombay.
9)	Dr. S. R. Kamat Clinical Pharmacology.	Xth ICMR Training Programme- (Dept. of Pharmacology, K.E.M. Hospital.)	7-12-88, Bombay.	"Assessment of drugs in respiratory function tests".

Scientific papers published by staff members :

- 1) Kamat S. R. - Status of occupational health services in developing countries. Lung India. 1988 : 6 : 7-8.
- 2) Rupwate R. U, Kamat S. R., Pinto A, Patel M. H., Potdar P. V., Mehta A. P. Aztreonam in lower resp. infections. Lang India. 1988 : 6 : 31-33.
- 3) Mahashur A. A., Jain K. K., Parmar D. M., Taskar S. P. and Kamat S. R. Assessment of immunotherapy with sp. depot vaccine in Br. Asthama J. Postgrad Med. 1988 : 6 : 75-78.
- 4) Patel M. H., Rupwate R. U., Pahwa R. B., Shah S. V., Tendolkar A. G., & Kamat S. R., Pattern of intrathoracic tumours in a Bombay Hospital. Lung India. 1988 : 6 : 75-78.
- 5) Shah S. V. Kolhatkar V. P., Patel M. H., & Kamat S. R. A study of responses to graded hypoxia and hypercapnia in normal and obstructive pulmonary cases. Lung India. 1988 : 6 : 91-95.
- 6) Kamat S. R., Book Review a) Environ health criteria No. 72 WHO 1987
b) Health impact of different energy sources WHO Europe. 1986. J. Postgraduate Med. 1988 : 34 : 124.
- 7) Kamat S. R., Shah S. V., Rupwate R. U., Kulkarni A. M., Gregat J. Deshpande, J. M. Health effects due to ambient pollution with emphasis on contribution from automobile and stone quarry industries in Bombay. Encology. 1988 : 2 : 11-22.
- 8) Korel M. H., Kamat S. R., The antibody response to MIC-experimental and clinical findings. Bull. Eur. Physiopath. Resp. 1988 : 23 : 591-7.
- 9) Shah S. V., Kamat S. R., Lung cancer : A growing problem in India. The Antiseptic 1988.

DEPARTMENT OF PLASTIC SURGERY.

Dr. K. S. Golaria, Hon. Prof. and Head of the Plastic Surgery Dept.

Delivered 'The Gillies Memorial Oration of the Summer Meeting of the Association of Plastic Surgeons of India-Madras-in August 1988.

Served on the Faculty of a CMF Programme of Burns held at the Post-Graduate Institute of Medical Sciences, Chandigarh October 1988.

Attended the Golden Jubilee Conference of the Association of Surgeons of Indian and Chaired a Session of Short Papers on "Flaps" December 27-30, 1988.

DEPARTMENT OF NEONATOLOGY :

Participated in :

- (a) Medical Education of Undergraduate and Post-graduate on neonatal training presented at W. H. O. Perinatology workshop.
- (b) Workshop by N. N. F. -ISOPARB at Pune.

DEPARTMENT OF PEDIATRICS

(SPECIAL EVENTS :)

1) **January 1988** : Dr. Peter R. Durie, Pediatric Gastroenterologist from Toronto, Canada, visited for two guest lectures on "Pancreatic Functions" & "Gystic Fibrosis".

2) **October 1988** : Genetic Chapter of Iap under convenership of Dr. N. B. Kumta held one-day Symposium in Jodhpur at the XXV National Conference of IAP on "Clinical Approach to Common Genetic Problems".

3) **Oct.-Nov. 1988** : "National Workshop on Neonatal Nursing" held at Jivraj Mehta Lecture Theatre under joint sponsorship of Division of Neonatology & National Neonatology Forum, with Dr. S. F. Irani, as Organising Secretary. About 10 Neonatologists from all over the country and 15 neonatal & Pediatric nurses including representatives from Nursing Schools attended the workshop for two days. Subjects discussed were Neonatology curriculum for nurses, training of nurses for basic & advanced neonatal care, infection control, feeding of new-borns and organisation of nursing services for neonatal intensive care. Workshop recommendations were formulated which will be published by National Neonatology Forum.

4) **December 1988** : "Indo-British Symposium on Recent Advances in Perinatal Care" jointly hosted by Depts. of Pediatrics & Dept. of Obstetrics & Gynaecology and British Council. 3 days Symposium with speakers from India and U. K. Visiting U. K. faculty consisted of Prof. Peter Dunn (Perinatologist), Prof. Brian Wharton (Padiatric Gastroenterologist & Nutrition Specialist), Prof. Peter J. Bery (Perinatal Pathologist) & Prof. Gordon Stirrat (Obstetrician). Visiting Indian Professors from Pune & New Delhi also participated. The Symposium was attended by 80 delegates and about 150 postgraduates from both disciplines. The symposium covered recent advances such as immunology of pregnancy, prenatal detection of fatal pathology, advances in management of third stage of labour, maternal posture during delivery, respiratory distress in the newborn among other varied subjects.

PARTICIPATION IN CONFERENCES :

Speaker on the following Occasions :—

1) Seminar on advances in neurogenetics 19th Jan. at J. J. Hospital, "Neurodegenerative disorders".

2) IMA (Chembur Branch) Symposium "Pediatric Problems of Helminthiasis"-31st Jan. at Tata Institute of Social Sciences".

3) Training/orientation programme on acute Respiratory Infections. 8th March-organised by Health Dept. of BMC, IAP, IMA and Ped. and P.S.M. department of medical colleges.

4) National Policy on Immunisation Pros and Cons-W. H. O. and IAP National Seminar-cum-workshop at Bangalore "Status of Oral Polio Vaccine in Indian Contst" 23rd July.

5) Dept. of Anatomy, General Practitioner Association, Greater Bombay, CAMHAPP and UNICAF sponsored workshop on "The medical applications of Genetics" 24th April, 1988. Talk on "Inborn errors of metabolism, detection, intervention and prevention".

6) British Council, Wadia Hospital Medical Research Society and Endocrinology and adolescent medicine chapter of IAP sponsored symposium on Current Concepts and recent advances in Pediatric Endocrinology". 19th February, Lecture delivered on 'the role of chromosomal studies in endocrine disorders'.

7) Talk on Do drugs administered to breast feeding mothers have effect on newborn infants' given to medical practitioners of Malad on 27th April 1988.

8) Lecture on 'Chromosomal Syndromes at birth' at XXV National Conference of IAP at Jodhpur-28th October.

9) Lecture on 'Pedigree Charting an aid to diagnosis' (2) 'An approach to neurodegenerative Disorder at Seminar on Genetics 27th October at the XXV National Conference of IAP at Jodhpur.

10) Maharashtra State Branch of IAP sponsored Maharashtra Regional Pediatric Conference at Alibau. Lecture on 'Early Immunization with 3 doses' delivered on 18th December.

Invited as visiting Professor at Post Graduate Institute, Chandigarh-3rd April, 1988.

Dr. P. W. Kandoth

Conference :

Attended 1st Joint conference of Ind. Soc. of Nephrology (Western Chapter) & Bombay Nephrology Group. 20th Dec., 1988-Bombay Hospital Dr. M. K. Joshi, Dr. J. R. Kamat, Dr. K. Lahiri.

Papers presented :

- 1) Control of Rheumatic Fever/Rheumatic Heart Disease.
- 2) An Experience with RF/RHD of Clinic-study of 500 cases. National Conference of IAP-Madras.
- 1) Clinical Profile of AGN.
- 2) Poisoning in children.

Dr. (Miss) Keya R. Lahiri.

Papers presented : International :

WHO/ICMR/DGHS : 1987/88, Delhi & Chandigarh.

Control of Rheumatic Fever/RHD-Co. author.

An experience with RF/RHD follow up clinic. A study of 500 cases co. author.

DEPARTMENT OF PATHOLOGY :Conference

6th Biennial Scientific meeting of the Asian Pacific Association for the study of the liver held at Delhi in Feb. 1988.

1. Nodular transformation of liver (diffuse nodular degenerative hyperplasia) - Dr. I. M. Vora et al.
2. Adult polycystic disease of the liver - Dr. I. M. Vora et al.

Dr. A. P. DESAI :

1. Attended the workshop on Image analysis in quantitative microscopy organised by the Indian Institute of Technology, Bombay in Oct. 1988.
2. Participated as member of the Scientific Advisory committee of the Institute of pathology (ICMR), New Delhi.
3. Attended and chaired the Session on Central Nervous System at the 37th Annual Conference of IAPM, Calcutta in December, 1988.
4. Participated in the Slide seminars at the Maharashtra Chapter Conference of IAPM at Kolhapur in Aug. 1988.

Dr. I. M. VORA :

1. Attended and chaired a Session on GI system at the 37th Annual Conference on IAPM at Calcutta in Dec. 88.
2. Participated in the Symposium of Endoscopic biopsies at the Maharashtra Chapter meeting of IAPM at Kolhapur, August 1988.
3. Invited as a visiting teacher and conducted slide seminar on colonoscopic biopsies at B. J. Medical College, Pune in Jan.88.

Dr. J. DESHPANDE :

1. Attended the meeting of association of Pathologist and Microbiologists at Ahmedabad, August, 1988.
2. C. E. M. Programme conducted by J. N. Medical College, Belgam in May, 1988.

Dr. S. Y. SANE :

1. Participated in Indo-British symposium on perinatal infection, Bombay, Dec. 88.

Dr.V. RAY :

1. Attended XX Congress of the International Society of Blood transfusion in association with British Blood Transfusion, Society held at London, July 88.

2. Visited State bacteriological laboratory, Stockholm for training in viral inactivation studies.
3. Visited Pharmcia, Uppsala, Sweden for training in Plasma Fractionation.

Dr. K. S. MAYEKAR :

1. Attended XX Congress of International Society of Blood transfusion, London, July 88.

DEPARTMENT OF PHARMACOLOGY :

Conferences attended by staff members.

Dr. S. M. KARANDIKAR :

1. Invited to inspect the clinical Pharmacology facilities at Nizam's Institute at Hyderabad.
2. Invited as speaker at the Clinical Pharmacology Programme at L.T.M.G. Hospital.
3. Organised atalk on "Artificial Intelligence" by Professor Elson Cooks of British Council for the Institute.
4. Worked as Member of the Apex Panel for job evaluation at Bombay Municipal Corporation.
5. Prepared project for the Health Department of B.M.C. for Overseas Development Administration (UK) in connection with application of information technology for health care systems of B.M.C.
6. Organised Clinical Pharmacology Training Programme of ICMR as Director of the Programme.
7. Organised a programme on Information Technology and Demonstration of computer-software at the I.P.S. Branch at Ahmedabad.
8. With Clinical Pharmacy students Drug information services by using computer in the department, were given to the surgical wards while the patients were hospitalised, which helped in the therapy. The work was appreciated by the Surgical team.

Dr. (Mrs.) K. C. GUPTA :

Co-author of paper presented :

Indo-US Symposium on "Generic drugs bioequivalence and Pharmacokinetics" Feb. 18-20-1988 at New Delhi. Comparative bioavailability of slow release diclofenac (Voveran SR) with enteric coated tablet and Internationally used voltaren retard.

Conference arranged :

Member, Scientific Committee of Indian Society for Clinical Pharmacology and Therapeutics, joint Annual Conference with API.

Dr. (Mrs.) S. S. Nayampalli :

Co-author of paper entitled "Neurohistological and CNS effect of the drug MJCP in rats" at 7th Annual Conference of Indian Academy of neuroscience held on 7-8th March 1988 at Calcutta (U.P. Dave, S. A. Barodawalla, A. V. Mehta S. S. Nayampalli, B. D. Samant).

Delegate and participated in "Update Ayurveda" held at G. S. Medical College, Bombay during November 26-27, 1988.

Co-Chairperson at oral session VI on 'Indigenous drugs' at the XXI National Conference of Indian Pharmacological Society held during 29-31st December at Hyderabad during 1988.

Attended and participated in the computer CASER programme organised by Prof. S. M. Karandikar at Department of Pharmacology, NSCT, Andheri during 25-26th June 1988.

Dr. A. B. VARDE : Conference attended :

1st World conference on 'Oriental Medicine and Yoga' Bangkok, May 22nd-24th 88.

1st Asian Conference on "Pharmaceutical education, Research and Drug Industry" at the National University of Singapore May 26-29th 88.

Dr. (Mrs.) N. A. KSHIRSAGAR : Invited Lecturers :

Immunology of Neonatal infection in syposium "Neonatal physiology" in APPI Conference at Pune.

"Pharmacology of drugs affecting hemorrheology" at 1st National symposium on hemorrheology.

"Drugs used in therapy of vertigo" symposium on "Treatment of Vertigo" at Bombay.

"Choice of NSAID in Rheumatology" update arranged by Mahim Dharvai General Practitioners Association on 12-6-88.

'Acyclovir' in 14th Conference of Indian Association of communicable diseases, Bombay 11-13 March 1988.

Member, Panel discussion on "Surgical infections" in 10th Annual conference of Maharashtra State chapter of Association of Surgeons of India, 26-29th Feb. 1988.

Conferences, Symposia arranged :-

Dr. U. K. Sheth Oration delivered by Prof. E. W. Packman Prof. of Pharmacology, Philadelphia, USA.

ICMR sponsored training programme in Clinical Pharmacology.

Scientific programme of Indian Society for Clinical Pharmacology and Therapeutics, Joint Annual Conference with API.

Conference attended :

1st National Symposium on Hemorrhology., Bombay.

APPI Conference, Pune.

CASER Computer training programme organised by Department of Pharmacology-Seth G. S. Medical College, Bombay 25-26th June 1988.

Participation in Conferences :

Member Organising Committee for 1st National Symposium on Hemorrhology, 4th December, 1988 Organised by BME, IIT and Hoechst India Ltd.

The facility of "Therapeutic drug monitoring" has been set for antiepileptic drugs, antibacterial drugs and immunological agents.

In-vitro effect of intravenous immunoglobulin on Phagocytosis and opsonic activity in neonates.

(National perinatology conference, B. J. Med. College Pune Feb. 23-25, 1989).

Dr. S. A. DAHANUKAR :

Paper for plenary session :

29th Annual Conference of Indian Society of Gastroenterology in Association with Society of Gastrointestinal endoscopy of India(SGEI) and Indian Association of study of liver.

Immunosuppression in surgical jaundice and its modulation with *Tinospora cordifolia*.

N. N. Rege, H. M. Nazareth, R. D. Bapat and S. A. Dahanukar.

'Update Ayurveda 88' Symposium-Nov. 27-28, 1988.

21st Annual Conference of Indian Pharmacological Society.

1. The influence of chillies and aspirin on the human gastric mucosa : Protection with *asparagus racemosus* (AR) M. A. Varde, U. M. Thatte, P. S. Anklesaria, R. D. Bapat and S. A. Dahanukar.

2. Efficacy of *Tinospora cordifolia* in patients with septicaemia J. V. Arya, N. N. Rege, U. M. Thatte, R. D. Bapat, S. A. Dahanukar.

3. Effect of *Tinospora cordifolia* (TC) on hemisplencetomised mice. J. R. Rao, U. M. Thatte, A. Kanbur, R. D. Bapat, and S. A. Dahanukar.

4. Effect of *Tinospora Cordifolia* (TC) on irreversible cholestasis. Neela Rajwade, Nirmala Rege, Sanjeevani Malagi, Pradeep More, N. K. Desai and S. A. Dahanukar.

5. Immunomodulation of liver damage by *Tinospora cordifolia* S. P. Malagi, N. N. Rege, N. A. Rajwade, N. K. Desai and S. A. Dahanukar.

6. Immunotherapeutic modification diverse experimental infections by *Tinospora cordifolia*, *asparagus racemosus* and *Withania Somnifera*. S. A. Dahanukar, U. M. Thatte, N. N. Rege, S. M. Karandikar.

7. Quantitation of microbicidal activity of mononuclear Phagocytes and in vitro technique, N. N. Rege, A. Isac, M. Kulkarni, S. Malagi, S. M. Karandikar and S. A. Dahanukar.

8. Role of Endorphins in stress induced changes in rats. N. N. Gavaskar, U. M. Thatte and S. A. Dahanukar.

Dr. S. S. AINAPURE :

Organisation special programmes :

Participated in organisation of ICMR Clinical Pharmacology Training programme, December 1988.

Organisation of IV Symposium in memory of Prof. A. S. Paranjpe April 1988.

Conferences attended :

1. 1st Asian Conference on Pharmaceutical education research and drug Industry. Singapore, 26-29 May 1988.
2. 1st World Congress on 'Oriental Medicine and Yoga' -Bangkok 22-24 May, 1988.

Dr. S. CHAUDHARY :

Conference attended : Ayurveda update 1988 held at Seth G. S. Medical College, November 1988.

Dr. B. D. SAMANT : Conference attended.

Attended short term course (Hospital Infection Control) Organised at P. D. Hinduja National Hospital.

2. Attended the Platinum Jubilee celebrations of Maharashtra Medical Council held on September 24-25, 1988 and attended the seminar on 'Medical education-legal aspect of Medicine'.
3. Attended the computer education course 'CASER' conducted by the Department of Pharmacology on 25th and 26th June 88.

Dr. N. N. REGE :

Member of organising committee of 'Update Ayurveda-88' Symposium held in Seth G. S. Medical College in November, 1988.

Dr. U. M. THATTE :

1. Lectures/papers presented :

Computer demonstration at a workshop on "Computers in Medicine" held at Cadilla Laboratories, Ahmedabad.

2. Papers presented at the Annual conference of Indian Pharmacological Society at Hyderabad, December, 1988.

- a. The role of endorphins in the influence of *Tinospora Cordifolia* on stress.
- b. The influence of chillies and aspirin on the human gastric mucosa : Protection with *Aspragaus racemosus* (AR).
- c. Efficacy of *Tinospora cordifolia* in patients of septicemia.
- d. Effect of *Tinospora cordifolia* in hemisplence-tomized mice.

3. "Modern Approach to therapy of infections "Presented at Update Ayurveda - 1988 : An invited lecture, November 27th 88.

Dr. V. V. MOGHE :

1. Effect of pretreatment with Gugulipid on the bioavailability of digoxin given orally-XIV Regional Conference of Pharmacologists of Maharashtra - 6th and 7th August 1988, at Loni, V. V. Moghe, M. V. Joshi, K. C. Gupta, N. A. Kshirsagar.

2. A new model to assess the psychomotor skills at 21st Annual Conference of Indian Pharmacological Society 29-31 Dec. 88.V. V. Moghe Hyderabad 1988.

Dr. J. K. JOSHI :

Attended Update Ayurveda 1988 Workshop cum symposium in November 1988.

DEPARTMENT OF PHYSIOLOGY :

1. Dr. Mrs. I. S. Paintal Attended the Annual Conference of Association of Physiologists and Pharmacologists of India on 27th December 1988 at Poona and chaired a Scientific session.

2. Dr. Mrs. S. S. Joglekar - Attended "Workshop on Educational Technology in Medical Education" at Seth G. S. Medical College in December 1988.

3. Dr. Mrs. K. Deo - Attended second National Workshop on assessment in Medical Education in Physiology between 17th March to 19th March 1989, at All India Institute of Medical Science New Delhi.

4. Dr. Mrs. V. S. Dalvi - Attended second National Workshop on assessment in Medical education in Physiology between 17th March to 19th March 1989 at All India Institute of Medical Science, New Delhi.

5. Dr. S. J. Kashalikar - Attended the Annual Conference of Association Physiologists of India on 27th to 29th Dec. 88 at Pune - Publication.

1. A common denominator of asthma "Medical Hypothesis, Nor Scotia, Canada, October 1988.
2. Olfaction influences immune system.
3. Publication Americananchya Antarangat, Feb. 88.
4. Thakvyar Matt, Feb. 88.
5. Article on Tuberculosis in the Journal of Medifact, vol. 1 1988.
6. Elected as Chairman in Dnyanandhará Shikshan Sanstha in May 88.
7. "An explanation for the development of C. N. S. Medical Hypothesis Nova Scotia, Canada, May 1988.

DEPARTMENT OF GENERAL SURGERY :

Conference attended :

Dr. A. B. Samsi, Dr. R. D. Bapat and Dr. R. G. Relekar :
Masicon 1988-Bombay.

Dr. C. V. Patel :

Attended Conference - Advisory Board members Diagnosis Committee Maharashtra State Cancer Control Board.

Dr. S. G. Shenoy :

Attended Seminar on "Computers in Medicine" New Delhi.

Workshop "Educational Technology" Bombay.

Conference on "CASER" Computers in Medicine at KEM Hosp.

Dr. A. N. Supe :

Conference Attended :

6th Biennial meeting of Asian Pacific Association for the study of the liver - New Delhi.

Masicon 1988 Bombay.

Indian Society of Gastroenterology - Ahmedabad.

Workshop on Medical Teaching.

Dr. J. D. Mohite :

Conference attended

MASICON 1988 (Maharashtra State Chapter of Association of Surgeons of India in Feb. 1988 in K. E. M. Hospital.

Dr. A. N. Dahl :

Conference attended

Indian Society of Gastroenterology, Ahmedabad 1988.

MASICON 1988.

Dr. B. A. Kulkarni :

Indian Society of Gastroenterology Conference at Ahmedabad-1988.

Dr. Heman Kulkarni :

MASICON-1988 at Seth G. S. Medical College, Bombay.

APEENDIX—IX

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE.

Special Achievements : Dr. Kolhatkar. 1988.

- 1) Dr. (Mrs.) Kolhatkar was felicitated on Foundation Day of 1988.
- 2) Dr. (Mrs.) Kolhatkar was selected as a chairman of committee for prevention and control of AIDS at state level.
- 3) Dr. (Mrs.) Kolhatkar participated in National workshop on management.
- 4) Dr. (Mrs.) Kolhatkar read a paper on "Self Health Care" in International conference in November 1988.
- 5) Dr. (Mrs.) Kolhatkar participated in National workshop on Management.
- 6) Dr. (Mrs.) Kolhatkar was selected a member of the committee on state level for Anti Tabacco Campaign.
- 7) Director "work safe" invited Dr. (Mrs.) Kolhatkar to Sydney Australia for a study tour.

Special Achievement for Dr. R. N. Kulkarni.—1988.

- 1) Selected as "Post graduate Teacher" for D.P.H. and M.D. course in P.S.M. BY University of Bombay.
- 2) Felicitated by Dr. (Smt.) Vineeta Samant, M.L.A. for doing excellent work in slum Health Education for Bombay city social Education Committee.
- 3) Participated in "Workshop on Management Training for Institutes conducting D.P.H. courses" organised by Nation Institute of Health and Family welfare, New Delhi.
- 4) Actively involved in starting Health Education programme in N.T.C. mills.

Activitie—Dr. Shastri—Lecturer—1988.

A) Health Education Programme for Textile Mill workers.

Municipal Printing Press workers.

Slums

Kamgar Kalyan Mandal.

Bombay Social Education Committee.

Other various youth and womens welfare organisations.

B) Undergraduate training.

C) Other departmental activities.

Selected by I.C.M.R. to under go postgraduate course in Nutrition at the National Institute of Nutrition Hyderabad from 1st Dec. 1988 to 28th Feb. 1989 has since fully completed the course.

DEPARTMENT OF ANAESTHESIOLOGY.

The 37th Annual conference of Indian Society of Anaesthetists held at Udaipur was attended by Staff members out of which 4 presented scientific papers, participated and C.M.E. and chaired the symposia.

SETH DHURMAL BAJAJ ORTHOPAEDIC CENTRE AND RESEARCH INSTITUTE

Important achievements of the staff and Department.

Visits of staff members to attend scientific conferences, Courses Seminars, training etc.

(a) Dr. L. N. Vora, Hon. Professor : Attended British Orthopaedic Association Meeting at Oxford in October, 1988.

(b) Dr. B. R. Patel, Hon. Professor : Attended American Academy of Orthopaedic Surgeons' conference at Atlanta, U.S.A., in February 1988.

(c) Dr. S. Y. Bhojraj, invited to participate in the Panel discussion on "Scoliosis" at the Asian Congress of Spinal surgery at Madras, January 1988.

(d) Dr. S. Y. Bhojraj, Reader awarded Best Short Paper Prize for his presentation of "Embolization Decompression, Stabilization for malignant vertebral tumours of the dorsal spine" at the Annual Meeting of the Association of Spine Surgeons of India, Bangalore, December 1988.

(e) The International Hip and Knee Joint replacement workshop organized by the Indian Academy of Orthopaedics at Bombay—Dr. K. R. Manelkar, Reader & Dr. P. B. Bhosale—Lecturer Dr. L. N. Vora, and Dr. M. L. Saraf : Faculty members.

(f) Dr. M. L. Saraf was the Joint Convenor at the Advance AO workshop organized by AO International in August 1988 at Bombay which was also attended by Dr. K. R. Manelkar, Reader.

(g) Dr. K. R. Manelkar, Reader completed course on Sports Medicine—Rehabilitation of sport injuries at the Gopikrishna Piramal Memorial Hospital, Bombay—Dec. 1988.

(h) Dr. P. B. Bhosale, Lecturer attended "Asian Congress" on Total Joint reconstruction and spinal surgery—held at Madras.

Department of Orthopaedic surgery organized:

(a) Spinal Update Meeting—January—March—May—July—September—November 1988.

(b) Trauma Update Meeting—February—April—June—August and October, 1988.

(c) Spine Radiology Meeting—Every month—1st Monday with Dr. Ravi Ramakantan—Reader Radiology.

(d) Spine Neurology Meeting—Every month—Since November 1988.

1st Wednesday—2.00 p.m. with Dr. Sohrab Bhabha. Reader—Dept. of Neurology.

(e) Clinico-Pathology Meeting—every month—1st Thursday with Dr. Shaila Khoobchandani—Reader—Pathology.

Other information like creation of new facilities, purchase of new equipment :

(a) The Trauma service operation theatre was commissioned and used for exclusive trauma care in the new multistoreyed building along with shifting of these full fledged trauma wards to the new building since July 1988.

(b) Spine clinic conducted every Tuesday morning new cases more than 30 patients every week and has now registered more than 1,000 cases by December 1988.

C. V. T. C. LABORATORY

Workshop Held-1988.

1) Workshop on "Clinical Enzymology Update" was held during Jan. 4th—10th 1988 funded by ICMR and National Academy of Medical Science.

2) Workshop on "Diabetes and Atherosclerosis Inter relationships" was held during 27th—30th Oct. 1988 in collaboration with S. L. Raheja Hospital, Mahim, Bombay-16 and was funded by National Academy of Medical Sciences and ICMR.

DEPARTMENT OF E.N.T.

Important Achievements of the Staff, Visit of the Staff.

Dr. S. B. Ogale :

(i) Dr. S. B. Ogale with his colleagues conducted XIIth Temporal Bone Microsurgery workshop and VIIIth Neurotology workshop in the Department where 30 ENT Surgeons from India and Abroad participated.

(ii) Invited as Guest Speaker by Guntur and Bihar State Associations of ENT Surgeons for their Annual conference.

(iii) Visiting Professor, Goa Medical College, Ali Yaver Jung Institution, Bombay and Guntur Medical College.

(iv) Conducted Diagnostic & Operative Camps at Kota Rajasthan, Cuttur, Mujjafarpur, Chandrapur—Maharashtra and Gujrat.

Dr. M. V. Ingle :

(i) Invited as Visiting Professor to the Department of Otolaryngology, Postgraduate Institute of Medical Research and Education, Chandigarh in October, 1988.

(ii) Invited as guest Speaker at North West Zonal conference of Otolaryngology of India.

(iii) Invited as Guest Speaker at Bangalore Branch of Otolaryngology of India.

(iv) Conducted Stapedectomy ear surgery camps Calcutta—West Bengal, Kota—Rajasthan, Beawar, Rajasthan and Bidada—Gujrat.

Dr. M. V. Kirtane :

(i) Appointed as Editor for the International Neuro-Equilibriometric Society edited the 'Book on Nausea, Tinnitus and Hypocausia in Metabolic Disorders'—published by Elsevier of Holland.

(ii) Appointed on the Advisory Committee to the Indian Journal of Otolaryngology.

(iii) Vice President of the Indian Neuro Equilibriometric Society.

(iv) Invited as a Panelist for the International NES Conference in West Germany, March-1988.

(v) Specialised training in Sinus Endoscopic surgery with Prof. Messerklinger in Graz, Austria.

(vi) Guest Lecture at Bangalore for the A. O. I. Bangalore.

(vii) Conducted deafness camps in Rural areas in Maharashtra, Rajasthan, Gujrat, West Bengal.

Dr. J. H. Sheode :

- (i) Awarded Commonwealth Medical Fellowship of U. K. for the year 1989.
- (ii) Attended Advanced workshop in Head & Neck Cancer surgery at New Delhi.

Dr. Sadhana R. Naik :

- (i) Attended 'Rhinoplasty Workshop' conducted by Dr. V. P. Sood, Moolchand Hospital, New Delhi in November 1988.

DEPARTMENT OF CARDIOLOGY :

Important achievements of the Staff and Department during year visit of Staff members to attend scientific conferences, seminars training etc.

- (1) Dr. P. A. Kale attended the API Conference at Pune in January 1988.
- (2) Dr. P. A. Kale and other members attended the Annual Conference of CIS at New Delhi in November 1988.

TUMOUR CLINIC.

Important Achievements :

- (a) Dr. Patel participated in cancer workshop arranged by State of Maharashtra at T. M. Centre.
- (b) Dr. Patel worked on subcommittee of Govt. of Maharashtra State for Cancer Control in State.
- (c) Dr. Patel is selected on specialists panel on the Editorial Board of Journal for General Medicine.

Dr. J. C. PATEL Dept. of Haematology.

- (1) Postgraduate student Miss Sapna Gandhi was awarded with M. Sc. degree in Applied Biology (by research) by Bombay University under the guidance of Dr. B. C. Mehta.
- (2) Dr. B. C. Mehta attended 22nd Congress of International Society of Hematology in August - September 1988 at Milan, Italy and presented two papers—
 - (i) Effect of iron therapy on renal function.
 - (ii) NESTROFT for screening the population for beta thalassemia trait.

DEPARTMENT OF GASTROENTEROLOGY

Important achievements :

Awards : Two more candidates trained in the Department. Dr. Dhiren H. Pipalia and Dr. Chetan B. Bhatt, successfully completed the National Board of Examinations Diplomate Examination in Gastroenterology. Thus, so far, five candidates from this department have cleared this examination.

Scientific conferences : Dr. Dhiren H. Pipalia, along with the departments' collaborating surgeons, attended the Annual Conference of the Indian Society of Gastroenterology, Ahmedabad.

Invited lectures : Dr. P. Abraham delivered three invited lectures outside the curriculum of this institution.

Honorary designations : Dr. P. Abraham continues to be Associate Editor of the Indian Journal of Gastroenterology, on the Advisory Board of the Journal of Association of Physicians of India and the Indian Practitioner and is scientific referee for these journals and the journal of Postgraduate Medicine.

Visitors : The department had two visitors during the year. Prof. L. H. Blumgart, Direktor der Universitätsklinik für Viszerale und Transplantationschirurgie, Inselspital, Berne, Switzerland, delivered the second "Prof. P. Radhavan Oration" on "Benign Biliary Strictures".

Dr. A. K. Burroughs, Lecturer in Medicine, Royal Free Hospital, London, visited the department and delivered lectures and participated in clinical sessions.

Observers : The department hosted the following observers during the year : Dr. S. N. Banerjee (Bhopal), Dr. S. K. Hazra and Dr. V. K. Sharma (Barkin Hospital, Chandametta, M. P.), Dr. Ajit Kuma (BHU) and Dr. V. T. Shah (Bombay).

Other information :

The department has been recognised by the Medical Council of India for post-doctoral (DM) studies in Gastroenterology. Recognition of a teacher awaited.

During the year, Dr. Saifee T. Plumber resigned as Lecturer and his post was taken over by Dr. Dhiren H. Pipalia. Dr. Shobna J. Bhatia was selected for the newly created second post of Lecturer. Dr. Chetan B. Bhatt continued to be deputed from the Dept. of Medicine.

DEPARTMENT OF NEPHROLOGY

Important achievements of the Staff and the Department during the year, visits of the staff members to attend scientific conferences, courses, seminars, training etc.,

Dr. Suratkal—Lecturer in Nephrology, received the 'Best Paper Award' for his paper on 'Post transplant Diabetics in Indian allograft recipient' at 1st annual meeting.

Dr. J. D. Desai adjusted the recipient of Best paper for his work on 'Fine Needle Aspiration Cytology in the Diagnosis and prognosis of renal allograft recipient.

Dr. Alan F. Almeida—has proceeded to Columba-Missouri on one years fellowship in nephrology.

DEPARTMENT OF MEDICINE:

GERIATRIC DEPARTMENT : DR. K. P. CHAWLA'S UNIT.

The project carried out are :

- (1) Study of dietary evaluation of all the new patients attending Geriatric clinic.
- (2) Evaluation of Immunologic status in health and the disease state in Geriatrics.
- (3) Systolic murmur at the base in Geriatrics — a clinical, ECG and Echocardiographic study.
- (4) Stress test in Geriatric asymptomatic hypertensive patients with normal cells for evaluation of:
 - (i) Quantitative physical work capacity.
 - (ii) Evidence of IHD.
- (5) Fibrinogen profile in essential hypertension. Its role as an additional risk factor for IHD and CVA.
- (6) Serial study of Indoor vs Outdoor Geriatric patients in a medical unit : A clinico-investigative profile.
- (7) Study of M. T. conversion in newly admitted student nurses attending Nurses Health Check up clinic.

Important achievements of the staff and the Department during the year, visit of staff members to attend scientific conferences, courses, seminars, training etc.

Dr. G. H. Tilve was deputed for a period of 3 months i. e. May, June and July 1988 to West Germany for training in Nuclear Cardiology and Radio-pharmaceuticals in cardiology. This training has been helpful in establishing cardiological investigations in the Nuclear Medicine Department. Department of Medicine conducted a Workshop on Educational Technology in Medical Education from 27th to 30th December, 1988 sponsored by the Postgraduate Institute of Medical Education and Research, Chandigarh, for the teaching staff of the 4 medical Colleges. Twenty staff members from different colleges had attended the training programme.

DEPARTMENT OF UROLOGY :

Urology Department organized a full 2 day seminar on Impotence and Male Infertility at K. E. M. Hospital, Bombay on 21-22 March 1988. Top Urologists and other specialists participated and presented a large number of papers in front of delegates from all over the country.

Department of Urology hosted the monthly meeting of the Bombay Urological Society in January 1988 where a large number of clinical cases of great interest were presented for discussion.

Members of the Department also participated in local scientific meetings as well as meetings at national and international levels.

Dr. (Miss) S. V. Punekar, Reader, visited U.S.A. for further training in techniques of microsurgery.

Urology Laboratories :

Specialized and some routine urological investigations were carried out in the Urology Lab. during the year 1988. The investigations included semen examination (2,030), testicular biopsy (129), urine culture (2,103), Renal chemistry (1,194), etc., A total number of 6,297 investigations were done during the year.

PLASTIC SURGERY DEPARTMENT

Dr. S. R. Tambwekar, Hon. Association Prof. and Hon. Assoc. Plastic Surgeon :

Attended the Symposium in Microvascular surgery in Mt. Fuji, Japan in April 1988. Participated in reading paper and Scientific Exhibition.

Attended International Meeting in Plastic surgery at Riyadh, Saudi Arabia, in October 1988, Read a paper on Cross Replantation of hand performed at K. E. M. Hospital.

—Attended Golden Jubilee Meeting of the Association of Surgeons of India at New Delhi-December 27-30, 1988.

—Elected as a Member of the International Society of Reconstructive Microsurgeons at the meeting of the society at Mt. Fuji, Japan, in April 1988.

Dr. Roshani E. Rana—Reader in Plastic Surgery.

—Attended Microsurgery-Hand on Workshop-20-23 November 1988 at Bombay Hospital-organised under the auspicious of Medical Research Centre, Bombay Hospital and Research Society, Grant Medical College.

—Attended Maxillofacial Surgery Conference held by Association of Oral and Maxillofacial Surgeons of India, Bombay held at Nair Hospital in December 1988.

—Attended a Workshop on "Educational Technology in Medical Education held at the Department of Medicine, Seth G. S. M. College and K. E. M. Hospital-from 27-30 December 1988-Faculty NTTC, Chandigarh and Local Coordinator.

DEPARTMENT OF RESPIRATORY MEDICINE & E. P. R. C.

The dept. has fostered a new link between British Council and Institute of Occupational Medicine, Edinburgh. The work on which has been carried out in stone quarry in 1988. This link will continue till the end of 1989. The unit has also initiated a research programme in relation to air pollution (Ambient, indoor and personal) in Central Bombay, high and moderate and in Eastern suburbs (chembur-moderate and low) to study and correlate effect of health and lung function, among residents. This project is supported by Dept. of Environment, Govt. of India and WHO/UNEP.

Dr. S. R. Kamat was called to represent Govt. of India as an expert in Bhopal study by United States Environmental Protection Agency to attend a workshop at their headquarters in May 1988. This is U. S. Govt. to participate in a technical workshop.

In 1988 this department provided computerised exercise testing facility and have also initiated steps to provide measurement of diffusion capacity. This department has also carried outwork in relation to asbestos workers and CT Scan.

DEPARTMENT OF NEUROLOGY

Dr. P. U. Shah visit to U. S. A. and Canada to see some of the Epilepsy Centres and attended (a) International Symposium on Pediatric Epileptology (b) Mini fellowship programme on Epilepsy with J. K. Penry. N. E. Bharucha attended annual meeting of American Academy of Neurology.

Research Society Project. Study of syndrome of Lateral cutaneous nerve of thigh. K. Mansukhari and others.

Flunarizine in migraine.

35 patients have been studied. Report will be completed by March 1989 (R. S. Jain & H. Sant).

DEPARTMENT OF NEONATOLOGY

Visit to Community health Centre :

At Gandhi Nagar—Once a week with Dept. of P. S. M., Obstet, & Family Planning.

Health check up of infants & children.

Immunisation, nutritional advice, and Referral services and

Family Planning facilities.

Workshops conducted

- (a) 1st National Neonatal Nursing Workshop for National Neonatology Forum.
- (b) Indo-British Joint Venture on 'Recent Advances in Perinatology in collaboration with Dept. of Obstetrics.
- (c) Neonatology workshop at Aurangabad.
- (d) Rotating training programme in Neonatology at Aurangabad, Surat and Gorakhpur.

DEPARTMENT OF PEDIATRICS.

Participation in Academic Activities in the Year 1988.

Membership of Expert and Review Groups.

(1) Faculty Member, CME Programme in Clinical Biochemistry of Association of Clinical Biochemists of India.

7th January, 1988-Bombay 'Congenital Enzyme Anomalies'.

(2) Local Expert—I.A.P., Govt. of India and W.H.O. sponsored district level workshop on Immunisation.

21st February, 1988 at Wadia Hospital—Bombay.

(3) Member, Research Committee Association for the Welfare of the mentally handicapped, Maharashtra.

(4) Chairman, at Session III of the National Symposium cum workshop on 'Neonatal Haematology' Oncology on 10th June, at LTMG Hospital, Sion-Bombay, sponsored by National Neonatology Forum, Haematology—Oncology Chapter of IAP and Dept. of ped. L. T. M. G. Hospital.

(5) Reviewer on status of polio vaccine at the W. H. O., Govt. of India IAP Seminar cum workshop on 'National Neonatology Forum, Haematology—Oncology Chapter of IAP and Dept. of ped. L.T.M.G. Hospital.

(6) Panelist, round table session Bombay branch IAP seminar on medical aspects of surgical problems in pediatrics at J. J. Group of Hospitals, Bombay—18th September.

(7) Convenor, Chairmen and Reviewer of papers Genetics Symposium, 25th annual IAP Conference, Jodhpur, 27th October. Presented 2 papers 'Pedigree charting and aid to diagnosis' / Approach to Diagnosis of neurodegenerative disorder.

(8) Chairman, Keynote address National Workshop on Neonatal Nursing 31st October, 1988 at Bombay.

(9) Convenor, Chairman Session—II and speaker 'Foetal Malformation' at Indo-British Symposium on recent advances in perinatal care 8th & 9th December 1988 at Bombay—organised by K. E. M. IAP Bombay, Obstetrics and Gynaecological Society West Zone and sponsored by British Council and Food Specialities Ltd.,

Dr. S. F. Irani.

Workshop Conducted :

- (i) 1st National Neonatal Nursing Workshop for National Neonatology Forum at K. E. M. Hospital.
- (ii) Indo-British Joint Workshop on 'Recent Advances in Perinatal Medicine' in collaboration with Department of Obstetrics.
- (iii) Neonatology Workshop at Aurangabad.
- (iv) Rotating training programme in neonatology at Aurangabad, Surat and Gorakhpur.

Participated in :

- (i) Medical Education of undergraduates and postgraduates on Neonatal training presented at W. H. O. Perinatology workshop.

Unit—III

1. P. W. Kandath represented our Institution at many Symposia and workshops and received special recognition for her work in RF & RHD.

Invited to participate and give a talk on Control of RF/RHD at DGHS/WHO/ICMR National Symposium on "Transfer of Technology for the control of RF/RHD in India" at Delhi.

2. Invited to participate and give a talk on "Rheumatic Fever follow up Clinic Experience" at Internal Symposium on "Current Strategies for the control of RF/RHD" at Chandigarh.

3. Following these above two talks, a special letter of appreciation was sent to out Dean from the Chief Investigator and Co-ordinator of ICMR project of RF/RHD congratulating our institution for the meticulous follow up of cases for over 15 years at Rheumatic Fever and a special reuest was made to send Dr. Kandoth on deputation.

4. Deputed to AIIMS Delhi for critical analysis of RF/RHD data.

5. The Dean & Institution was tahnked for co-opertion deputing Dr. Kandoth giving special merits to Dr. Kandoth for providing valuable data on Natural History of BF/RHD and request was made for sending her again for another session.

6. Dr. Kandoth underwent a Natural course on "Educational Science Techology for the Teacher of Health Professional" at Chandigarh.

7. She participated in WHO/NINEW Workshop at Goa on "Strengthening Training of Family Welfare in UG Medical Education."

Dr. (Miss) Key R. Lahiri.

RESPIRATORY CHAPTER OF INDIAN ACADEMY OF PAEDIATRICS.

—Member of the Resp. Chapter of IAP.

—Secretary of the Respiratory Chapter of IAP.

—Co-editor of the Respiratory Bulletin.

DEPARTMENT OF SKIN & VENERAL:

Important achievements of the staff and the department—

—Dr. D. A. Parikh elected as a Jt. Secretary of IADVL, Maharashtra Branch.

DEPARTMENT OF PSYCHIATRY :

1. Division of Adictionology — The department has been conducting alcohol and drug deaddiction programme for the last few years. During the year under report the programme has been intensified and adivision of adictionology has been started. O. P. D.'s are conducted from 10.30 a.m. to 12.00 noon every day. Emergency cases are managed in the casulty round the clock. Admission is provided to the deserving cases as and when the beds are available. Group psychotherapy and family counselling services are conducted by Mrs. Hema Shah, Lecturer in the department of preventive and Social Medicine who is collaborating for this programme since its inception. Apart from providing treatment to the patients training of under graduate medical students, occupational therapy and nursing is carried out. Educational programmes are conducted for medical practitioners. The staff members participate in seminars and conferences arranged by the Government and non-government agencies. The staff members help other organisations in setting up deaddication programmes.

2. Division of suciodology. Patients admitted on the medical wards for poisoning, patients on the surgical and othopaedic wards with burns and other injuries as well as the patients coming to the psychiatric department with suicidal behaviour are directed to attend this division. One morning of the week is set a side for this work. Dr. Shubha Parkar, Lecturer is assiste in this work by clinical psychologist and psychiatric social worker. Patients are given the necessary treatment depending upon the diagnosis. Follow-up is maintained to prevent a relapse. This programme is used for training medical interns and post-graduate psychiatric students diagnosis and management of suicidal patients.

3. A geriatric psychiatry clinic has been started on a once a week basis with the co-opertion of the medical units of the hospital. Every patient is given a through medical and psychiatric evaluation. Appropriate treatment is given. Laboratory and psychological tests are done. Apart from pharmacotherapy, psycho-social intervention is done in these patients.

High Lights:

1. A. W. H. O. training workshop on drug dependance was organised on July 29,30,31,1988. Prof. L. P. Shah coordinated the programme and Mrs. Hema Shah was the Convenor for the programme. The participants included meantal health professional and the government officials of the health department from the states for Maharashtra, Gujrat, Goa and Rajsthan. The Bombay Municipal Corporation was specially involved, Action plans were approved for the states and the city of Bombay to develop the drug deaddiction services in the health sector.

2. Dr. Dorris Morgon an expert in the field of addictionology in U. S. s. delivered a lecture and discussed the drug deaddiction programme with the staff members.

Prizes and Achievements

1. Dr. L. P. Shah presided over Indian Psychiatric Society for 1988.
2. Dr. L. P. Shah selected as Executive Member for I.P.S.P.
3. Dr. L. P. Shah nominated as a member of National Mental Programme, Government of India.
4. Dr. L. P. Shah nominated on panel for Drug deaddiction programme, Govt. of India.
5. Dr. L. P. Shah nominated on Board on Maharashtra Mental Health Advisory Committee.
6. Dr. L. P. Shah received felicitations from G. S. Medical College and K. E. M. Hospital, and also was felicitated by Lions International Conference for outstanding contribution in the field of drug dependence.
7. Dr. P. V. Pradhan received best paper award of the Bombay Psychiatric Society — Silver Jubilee award for paper on "Death, Dying and near death experiences Co-author.
8. Presided over the 19th Annual Conference of the Indian Psychiatric Society — West Zone Branch held at Kolhapur and organised Scientific programme on A) Current Aspects of Depression B) Adolescent Psychiatry, (Dr. P. V. Pradhan)
9. Invited to present the paper on the Role of Family in Alcoholism and Drug Addiction at the International Conference "Hope 1988" organised by International Lioness Club. (Dr. P. V. Pradhan.)
10. Dr. P. V. Pradhan — Drug Abuse among college students of Bombay 1986 An Epidemiological Study of 7000 college students. A research Survey sponsored by the Ministry of Social Welfare — Govt. of India. Report was accepted and approved.
11. Dr. Pradhan — Invited for a talk on Depression by the Bombay Door Darshan.
12. Dr. Shubhangi Parkar selected as a member of the Executive Committee of Bombay Psychiatric Society.

DEPARTMENT OF PATHOLOGY :

Important achievements of the staff members and the department :

DR. I. M. VORA :

—Attended the workshop on Endoscopic biopsies as a Faculty member and conducted a teaching Session at Calcutta, Dec., 1988.

DR. J. DESHPANDE :

—With Dr. S. G. Kinare, organised a workshop on Cardio-vascular pathology. Delivered guest lectures on various aspects of Cardiac pathology.

DR. S. Y. SANE :

—Participated in workshop in Toxoplasmosis and Perinatal infection, Bombay September 1988.

DEPARTMENT OF PHARMACOLOGY :

Dr. (Mrs.) K C. Gupta :

Workshop attended :

—CASER Computer training programme arranged by Department of Pharmacology Seth G. S. Medical College, Bombay on 25-26 June 1988 — Elected Vice-President Indian Society for Clinical Pharmacology and Therapeutics.

—Co-author of paper "Effect of nifedipine and propranolol combination on platelet aggregation" presented at IPS conference at Hyderabad.

Dr. (Mrs.) S. S. Nayampalli :

—Presented a paper at the XXI National Conference of Indian Pharmacological Society held on 29-31st December 1988 at Hyderabad entitled "Study of neuropharmacological aspects of Piper Nigrum in animals".

S. S. Nayampalli, S. S. Dalvi, S. P. Taskar, and J. M. Sawant.

Dr. A. B. Varde : Conference attended.

—1st World Conference on 'Oriental Medicine and Yoga' Bangkok, May 22nd — 24th '88. —1st Asian Conference on "Pharmaceutical education, Research and Drug Industry" at the National University of Singapore May 26th-29th 1988.

Dr. (Mrs.) N. A. Shirsagar :

—Elected member of National Academy of Medical Sciences, New Delhi.

—Elected Secretary for Indian Society of clinical Pharmacology and Therapeutics.

—Immunology of Neonatal Infection — In Indo-British Workshop on Perinatal Care, Bombay.

—Indo-US workshop on "Immunology of Tropical Diseases" at Lucknow.

Dr. N. N. Rege :

—Indo-US workshop on 'Cell mediated immunity in relation to tropical diseases': DDRI Lucknow, October 10th to 14th 1988, Immunomodulation by Indian Medicinal Plants.

DEPARTMENT OF GENERAL SURGERY :

Dr. R. D. Bapat & Dr. R. G. Relekar :

—Ideal Teacher award to Dr. R. D. Bapat.

—Ranbaxy Laboratory Golden Jubilee Medal for Best Thesis to Dr. R. G. Relekar.

Dr. C. V. Patel:

—Workshop — Cancer control in Maharashtra State Tata Hospital January 1988.

Dr. S. K. Mathur :

—Conducted Workshop on Injection Sclerotherapy as a part of update in Paediatric Surgery held under the auspicious of Indo-American Co-operation Programme.

Any other activity :

—Develop technique of percutaneous, Trans 'T' tube tract removal of retained common bile duct stones using choledochoscope alongwith Dr. Ravi Ramakant of Radiology Department.

Dr. J. V. Hardikar :

—Workshop on Head & Neck Oncology organised by Tata Memorial Hospital in September 1988.

Dr. J. D. Mohite :

—Recognised as a University P. G. teaching in this year. Appointed as an Examiner for final MBBS (Oct. 1988) Bombay Unive. exam.

Dr. A. N. Dalvi :

—Doing diagnostic and therapeutic endoscopies esp. sclerotherapy in oesophageal varices.

Dr. Heman Kulkarni:

—Setting up museum of Surgical pathology specimens for Dept. of Surgery.

APPENDIX—X

Statement showing the operations performed in this hospital during the year 1988.

Sr. No.	Name of the Theatre.	Total No. of Operations:	
		Major	Minor.
1.	J. M. T.	1,029	1,582
2.	E. M. O. T.	1,133	3,108
3.	Minor Surgery.	6	14,032
4.	Plastic Surgery.	847	1,330
5.	E. N. T.	1,251	1,494
6.	Neuro Surgery.	894	238
7.	Ophthalmic.	2,354	1,011
8.	O. B. O. T.	1,290	207
9.	Gynaec.	2,664	1,273
10.	Urology.	1,037	3,218
11.	A. K. D.	1,742	1,627
12.	R. O. C. O. T.	1,025	399
13.	E. O. C. O. T.	1,060	4,404
14.	C. V. T. C.	1,528	104
15.	Paed. O. T.	1,793	3,768
Grand Total :		19,653	37,795

APPENDIX — XI

Sr. No.	Description of Activity.	Unit of O.P.D.	Measurement Indocr.	Actual 1988-89	Budget Estimates 1989-90	Revised Budget Estimates 1989-90	Budget Estimates 1990-91
1	2	3	4	5	6	7	8
1.	Medical.	43	137	57,141	58,000	60,000	62,000
2.	Surgical.	29	77	33,824	35,000	36,550	37,000
3.	Obst. & Gynase.	29	59	28,185	30,500	31,250	32,000
4.	Paediatric Med. & Surg.	16	47	19,381	20,500	20,750	21,000
5.	Premature Baby Ward	2	—	586	600	650	700
6.	Radiology.	—	951	2,87,441	3,10,000	3,12,000	3,14,000
7.	Path & Boct.	—	3,289	9,93,437	9,98,000	11,00,000	12,00,000
8.	Casualty.	—	215	78,568	86,000	86,750	87,250
9.	E. N. T.	8	64	22,042	24,000	24,350	24,500
10.	Orthopaedic.	12	100	34,413	38,000	39,250	39,500
11.	Ophthalmic.	7	64	21,842	23,000	23,350	23,650
12.	Skin & Ven.	1	90	18,929	20,500	20,750	21,000
13.	G. I. C.	1	29	1,344	1,500	1,650	1,750
14.	Neurology	1	26	3,080	4,500	4,750	5,000
15.	Urology.	3	47	3,308	4,500	4,750	4,800
16.	Blood Bank	—	67	20,092	23,000	23,250	23,500
17.	Speech Department.						
18.	Psychiatric.	4	24	8,768	10,000	10,250	10,500
19.	Bio-Chemistry.	—	1,159	3,50,095	4,50,000	4,75,000	4,90,000
20.	Pharmacy.	—	1,182	3,57,192	3,95,000	3,90,000	3,92,000
21.	Dental Clinic.	—	21	6,390	10,000	10,250	10,500
22.	Neuro-Surgery.	2	10	3,607	4,000	4,125	4,150
23.	Plastic Surgery.	2	18	1,579	1,800	1,850	1,900
24.	Thoracic Surg.	5	18	5,112	6,000	6,250	6,450
25.	Cardiology.	5	63	8,176	9,000	9,900	10,000
26.	Asthema.						
27.	Disbetic.						
28.	Haematology.	1	14	1,486	1,600	1,650	1,700
29.	Div. of End. & Metb. Disorder.	1	16	4,111	5,500	6,250	6,500
30.	A. K. D.	1	17	1,280	1,500	1,600	1,725
31.	Dispensary.	—	—	—	—	—	—
32.	Epilepsy Clinic.	—	30	1,513	2,000	2,050	2,100
33.	Chest Clinic.	2	24	3,044	4,000	4,250	4,350
34.	Arthritis Clinic.	—	9	441	600	650	750
35.	Vasoular Clinic.						
36.	Immunization centre.	—	17	2,516	3,500	3,700	3,800
37.	Observation of T. B. Cases.						
38.	Occupational Therapy.	—	45	13,459	20,000	21,500	21,750
39.	Physio Therapy.	—	63	18,982	21,000	21,500	21,750
40.	Sports Clinic.	—	11	561	800	700	750
41.	Drug. Trial.	1	—	54	350	300	325
42.	Dog Bite.	—	20	6,003	9,000	7,025	7,150
43.	Sexology.	—	14	701	850	900	950
44.	Audiology Department.						

Statement showing the names of O. P. D.s conducted at this hospital during the year 1988.

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. Thalsemia.
39. Cardio-vascular & Thoracic Surgery.
40. Cardio-vascular Follow-up OPD.
41. Cardiology.
42. Congenetal Heart Disease.
43. Tuberculosis & Respiratory disease Clinic.
44. Pueumoconiosis Clinic.
45. Sports Clinic.
46. Arthritis Clinic.
47. Anasesthesia.
48. Pain Clinic.
49. Accupunture Clinic.
50. Fire Brigade Clinic.
51. School Clinic.
52. Hansen's Clinic. (Leprosy Clinic).
53. De-addiction Clinic.
54. Anorectal Clinic.
55. S. T. D. Clinic.
56. AID's Clinic.
57. Spine Clinic.
58. Paed. Urology Clinic.
59. Arthrosology Clinic.
60. Integrated Medicine Clinic.
61. Neonatology Clinic.
62. Renal Transplant Clinic.
63. Renal Diabetic.

**BAI YAMUNABAI L. NAIR CHARITABLE HOSPITAL
and
TOPIWALA NATIONAL MEDICAL COLLEGE.**

HIGH LIGHT :—

Hospitals :—

1. Total expenditure including liabilities.	Rs. 8,24,03,978
2. Donation received.	Rs. 29,35,667.87
3. Amount collected from boxes,	Rs. 57,166.85

Indoor Patients :—

Beds ... 870 In-patients.	36268
Daily average number of In-patients.	784.99
Highest number of Admission on a single day	152
Highest number of Inpatients on a single day.	890
Number of patients discharged during the year including 734 brought from the previous year.	34691
Cured.	18757
Otherwise.	15723
Average stay of patient.	8.23 days
Average cost per in-patient	Rs. 169.68
Average cost per out-patient.	Rs. 25.18

Deaths :—

Within 24 hours of admission	561
After 24 hours but within 72 hours of admission	256
Exceeding 3 days	925

Total : 1742

Operations :—

Indoor patients.	16082
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Autopsies :—

Post Mortem done.	864
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Deliveries :—

1. Confinements.	2818
2. Deliveries.	2189
3. Maternal deaths.	2
4. Medical termination of pregnancy.	875
5. Sterilization (Female).	537
6. Sterilization (Male).	19
7. Baby deaths.	18
Ful term	59
Premature	33
8. Baby still-births.	35
Ful term	33
Premature	35

Out Patient Department :—

1. O. P. D. New Attendance.	1,79,134
2. O. P. D. Old Attendance.	7,59,316
3. Daily average O. P. D. new attendance.	585.41
4. Casualty attendance.	17,388
5. Daily O. P. D. Attendance (Old + New).	9,38,450
6. Highest No. of attendance on single day.	3,338

Court Cases Attended by R. M. Os. :—

1. Presidency Magistrate's Court.	825
2. Session Court.	182
3. Motor Accident Tribunal.	102

**STATEMENT SHOWING THE COMPARATIVE
FIGURES FROM THE YEAR 1985 TO 1988 :—**

Average Annual Patients	1985-86	1986-87	1987-88	1988-89
Total O. P. D.	926231	951454	875244	938450
New O. P. D.	181095	188355	182458	179134
Total Casualty Attendance.	19784	20082	20454	17388
Total admissions.	35956	37357	33878	36268
Beds sanctioned.	850	870	870	870
Average Daily Occupancy.	98.49	93.33	75.81	89.97
Average Daily Admissions.	98.50	102.34	92.81	99.09
Average Inpatients Stay.	9.50 days	8.93 days	8.07 days	8.23 days
Expenditure :	Rs. P.	Rs. P.	Rs. P.	Rs. P.
Inpatients : Establishment.	39.03	42.30	98.91	115.47
O.P.D. : Establishment.	10.65	12.35	15.50	17.90
Drugs & Medicine :				
Inpatients.	22.07	22.92	21.26	26.62
O.P.D.	2.66	3.00	3.33	4.12
Diet : Inpatients.	6.08	6.41	7.12	7.21
Repairs : Inpatients	6.86	7.25	9.96	10.02
O.P.D.	0.75	1.05	1.56	1.55
Store : Inpatients	6.00	6.65	2.59	10.36
O.P.D.	2.50	2.80	1.41	1.61
Average Cost per patients :				
Inpatients.	85.53	79.78	139.84	169.68
O.P.D.	18.56	19.20	20.80	25.18

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. 335 patients had taken the advantage of the paying beds during the year 1988.

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 1988, 323 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. 667 patients were treated in this section.

**B. Y. L. NAIR CHARITABLE HOSPITAL
AND
TOPIWALA NATIONAL MEDICAL COLLEGE**

Administrative Staff :—

Dean :

Dr. Pragna M. Pai, M.D., D.Ch., F. I. A. P.

Assistant Dean :

Dr. P. G. Hiranandani, 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.

In response to the call by the Father of the Nation in the year 1921, 4 students, from the British Government run Grant Medical College, quit from their College to start a new nationalistic institution and that was the birth of Topiwala National Medical College. At the beginning it was a medical school and was registered for licentiate course by the College of Physicians and Surgeons. In the year 1946, the silver jubilee year of the institutions, the college was taken over by the Bombay Municipal Corporation and was affiliated to University of Bombay for the degree course. The college received a munificent donation from the Topiwala-Desai family and the well known Philanthropist Dr. Anandrao L. Nair and hence the name Topiwala National Medical College and Bai Yamunabai L. Nair Charitable Hospital.

Today the twin institutions are one of the leading institutions in the country. The hospital has 872 beds and an annual budget of over Rs. 8 crores. It admits over 33,000 patients per year and caters to the need of over 3 lakhs outdoor patients. In addition to the routine medical services, it also offers various specialised services like Nephrology, Haematology, Plastic Surgery, New Born and Premature clinic etc. It has a staff of 184 full-time medical teachers, 37 honorary teachers, 235 resident doctors which include House Officers, Registrars, Post-Graduate and residents, 729 nurses, 1699 clerical and technical staff and 1400 labour staff thus making grand total of 4284. Topiwala National Medical College admits 100 students every year and total undergraduate students are 482. Post-graduate Diploma students are 25, Post-graduate degree students are 200 and those doing M. Sc., Ph. D. are 64. It also includes students for various superspecialities like Urology, Neurology, Nephrology, etc. It is the only institution in Maharashtra which offers Gastroenterology Course in Medicine. It also conducts in Audiology and Speech Therapy school which admits 10 students for the degree course of Audiology and Speech Therapy of Bombay University. The Topiwala National Medical college Budget is over Rs. 3 crores.

The institution has many firsts to its credit. The first open heart surgery was performed at Nair Hospital. It is the only public hospital in the city of Bombay which has a computerised scan unit, Evoked Potential response equipment. It has a well equipped radio-isotope unit with gama ray camera.

The Campus of the institution is situated in the heart of the city and consists of 14 buildings.

EXPANSION PROGRAMME :

Expansion of hospital is in process and a new two storey building occupied. All Outpatient Departments, speciality and Super-speciality clinics and dispensary services have been shifted to this building. In due course Blood Bank, Pharmacy, Isotope Unit, Artificial Kidney Unit, Cardiac Catheterisation Laboratory, Intensive (Cardiac Catheterisation) and Casualty Department will have an attached Trauma Ward and Theatre.

The space thus falling vacant due to shifting of above mentioned services will be partly used for adding inpatient beds for superspeciality services which have not yet got the recognition of University for want of required number of minimum beds.

CHARGING OF FEES TO O. P. D. AND INDOOR PATIENTS AT THE MUNICIPAL HOSPITAL :

Corporation by their Resolution No. 145, dated the 28th June 1988 have accorded sanction to revise the charges for case papers for Out-door and Indoor patients at the Municipal Institution from 5th July 1988 :-

The revised charges are as under :-

O.P.D. Case paper : Rs. 5/- valid upto 15 days.

Indoor Case paper : Rs. 10/- valid upto 6 days.

After 6 days patient have to pay Rs. 5/- per day.

1. DEPARTMENT OF MEDICINE :

The Department of Medicine has four full-time and two part-time Medical Units which participates in under-graduate and post graduate teaching/training programme. There are four full-time and two Hon. Professor of Medicine in the department. There are five full-time Readers in Medicine and four Hon. Assistant Professors of Medicine. There are total 13 lecturers in the department. They work for General Medicine, Medical Acute Care Unit and for the specialities attached to the department. The members of the staff also participate 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 and Hypertension Clinic.

Dr. V. R. Joshi, Professor & Head of the Department of Medicine has left the institutions from December 1988 and Dr. (Mrs.) K. D. Nihalani, Prof. of Medicine has taken charge as Professor & Head of Department of Medicine since March 1989. Dr. (Mrs.) R. D. Sequeira has been promoted to the post of Prof. of Medicine since April 1988 and has also given charge of the Rheumatology Clinic after the resignation of Dr. V. R. Joshi. Dr. (Smt.) Y. V. Meisheri and Dr. (Mrs.) S. A. Kamath are also been promoted to the post of Reader in Medicine since February 1988. 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 Prof., 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 who is the recognised P. G. teacher of University of Bombay for post-graduate studies in the subject of Biochemistry. The laboratory is well-equipped. It caters to the speciality investigations in the field of Rheumatology, Immunology, 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 department is provided with a Medical Social Worker and dietician who are also actively engaged in their duties.

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 these 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 and international importance. They are also actively participating in the workshops and conferences in and outside countries.

2. DEPARTMENT OF SURGERY :

Department of Surgery consists of 3 full time and 3 part time units.

Other Activities :-

- Conducted short courses on Theatre Sepsis for Nurses
- December 1988.
- Conducted microteaching course in Surgery
- December 1988

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.

Dr. M. Y. Raval organised Training Courses on Endoscopy Laparoscopy and hysteroscopy twice at Bombay and on U. S. G. from time to time for observers attending the department.

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	2296	289
I. P. C. U.	323	120
Neonatal.	2826	85
Transferred babies.	130	50

II. O. P. D. Services :-

O. P. D.	No. of New patients	No. of old pts.
Paediatric.	15756	16000 approx.
Special Care.	372	500 approx.
New-born	450	3000
School Clinic :		
— Secondary	427	1111
— Primary	2512	10968
Child Guidance Clinic	553	505

III. Peripheral Hospitals :-

Name	Clinic Attendance	Home Visits	Immunisation			
			DPT	BCG	Measles	Vit. A.
Victoria Ped. Centre.	574	318	1942	1636	278	

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 :—

1. Paediatric visit to Community Health Centre per day (Shivaji Nagar & Chita Camp.).
2. Paediatric visit to Peripheral Maternity Hospitals twice in a week.
3. Visit to Child Guidance Clinic.
4. Paediatric Walk in Clinic (PWIC) is run by Department of Paediatric in Ward 15 from 1.00 p.m. to 8.00 p.m.

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 1988 at B. Y. L. Nair Ch. Hospital is as follows :—

Cardiac Surgery	239
Neurosurgery	292
General Surgery & Emergency.	2850
E. N. T.	1219
Gynaec. (Kamathipura Hospital).	2069
Ortho. (Kasturba Hospital).	1950
Ophthalmic (Bhajekar).	107
Radiology	985
Cardiac Cath.	503
E. C. T.	5234
Recovery	4519
Plastic Surgery	220
Anaesthesia Assesment Clinic.	436
	20623

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.

Academic Activities :—

1. Seminar every Monday from 3 p.m. to 4 p.m.
2. Case discussions every Thursday from 2.30 — 3.30 p.m.
3. Tuesday, Wednesday, Friday tutorials and classes.

6. DEPARTMENT OF NEUROLOGY :

The O. P. D. functions twice a week on Tuesday and Thursday.

1. Total O. P. D. Patients : Male	1002
Female	332
Female child	45
Male child	43
Total	1422
2. Total Indoor patients : Male	168
Female	59
Male child	14
Female child	5
Total	246
3. Referred Cases : Male Female	190
C. T. References : Male-Female	79
Total	269

4. Transfer Cases : Trans. In.	1
Trans. Out.	1
	<hr/>
Total	2
	<hr/>
5. Total deaths.	12
E. M. G./N. C.	148
V. E. Potential.	126
Somato Sensory.	175
Brain Stem auditory Evoked Potential (B.A.E.P.).	45
6. Procedure done for Nerology patients :—	
A. Agiography :—	
a. Carotid Angiography.	13
b. 4-vessel study.	7
c. No. of I. V. P.'s.	3
B. Mylgrams :	11
C. C. T. Scans : O. P. D. and Indoor	
OPD	64
Indoor	57
	<hr/>
Total	121
D. E. E. G.	415

7. DEPARTMENT OF NEUROSURGERY :

The O. P. D. functions twice a week Tuesday and Thursday.

1. O. P. D. Attendance :	
New	738
Old	2644
	<hr/>
Total :	3382
	<hr/>
2. Indoor admissions	337
3. Total operations done during the year of 1988.	374
4. E. E. G. Tests performed.	1120
5. R. F. Thermocoagulations	52
6. Echoencephalography.	Nil
7. Carotid Angiography.	
8. Myelography.	
	Performed by the
	Radiology Department.
9. Myodil Ventriculography.	Nil
10. Conray Ventriculography	Nil
11. Air Ventriculography.	Nil

8. CARDIOVASCULAR AND THORACIC SURGERY :

The year 1988 has been the maintenance of the high standards of patient care, acadmic discussions and teaching activities. It has also been the year of much closer association with the Department of Cardiology. This report highlights the academic as clinical aspects of our departmental activities.

Operative Work :—

The recognition of a good Cardiac Centre is by the number of operations performed with good results. We have been operating 5 days a week for most of the weeks of the year with good results. The following is the split up of the operative list for year 1988 :—

1. Open Hearts procedures	156
2. Closed Heart procedures	55
3. Vascular procedures	26
4. Thoracic procedures.	48

The overall mortality rate is 13%.

Academic Activities :—

This year has been the continuation of the weekly meetings with the Department of Cardiology on every Saturday for discussion of the line of treatment to be followed for a patient.

In addition our department has started a monthly meeting with Cardiologists and Cardiac Pathologist of all the operations performed in that month alongwith a discussion on the technical problems in particular cases and an analysis of the results.

Thursday Grand Round :

A detailed discussion of the therapeutic decision is undertaken on every Thursday by all members of the C. V. T. S. Department.

A post graduate teaching programme for M. Ch. students has been initiated involving case presentations and theoretical discussion of important topics.

Fellowship :—

Dr. R. B. Patil (Reader) has been accorded a fellowship for training in Paediatric Cardiac Surgery at the University of Alabama, U. S. A., for 1 year.

Camps attended :—

Camps in rural areas have been attended by senior staff members. Dr. J. N. Karbhase has attended a camp organised by the Godavari Heart Foundation, and Dr. J. M. Desai has attended a camp in Malegaon on heart surgery.

Blood donation :—

Cardiac Surgery places high demands on the Blood Bank and it is noteworthy that January to August 1988, 709 blood bottles were used of which 382 have been replaced by our patients giving a replacement of 65% while only 115 have been through R. B. D. Percentage — wise the blood donation is highest from C. V. T. S. Department.

9. DEPARTMENT OF CARDIOLOGY :

Data on admission/O.P.D. Attendance :—

	No. of cases
Indoor admissions	635
I. C. C. U. Admissions	272*
New O. P. D. cases	1326**

* In addition 492 patients following Cardiac Catheterisation were also 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 :

Diagnostic Cardiac Cath. and Angiography :—

During the year 1988, 492 patients (adult and Paediatric) underwent Cardiac Catheterisation and Angiography. The therapeutic balloon dilatation procedure (Valvuloplasty, angioplasty) was applied to 63 cases and the details are as under. The balloon technique is fast emerging as an alternative to open heart surgery.

Balloon dilatation technique (Valvuloplasty, Peripheral and Coronary Angioplasty) :—

Pulmonary valvar stenosis	....	19 cases.
Aortic valvar stenosis	....	10 cases.
Mitral stenosis	....	15 cases.
Coronary artery disease (PTCA) stenosis	....	3 cases.
Coarctation	....	4 cases.
D. S. S.	....	2 cases.
IVC Block	....	2 cases.
Aortoiliac block	....	2 cases.
Renal (1) Aortoarteritis (2)	....	3 cases.
Rashind's ballon septostomy	....	2 cases.

63

2. Electrophysiology procedure

SNRT and His bundle studies were done in 20 cases.

3. Stress testing

(Computerised treadmill on 562 patients.
Computerised treadmill in 444 patients and Non
118 patients).

4. Electrocardiograms in ECG De.

17451 patients.

5. Permanent pacemaker implantation

5 patients.

6. Temporary pacing in I.C.C.U.

42 patients.

Other achievements/activities :—

Dr. Satyavan Sharma, Prof., and Head of Department visited U. S. A., on Starr Ahmed International Fellowship (June-Aug. 1988) and during the period got training in coronary angioplasty. He delivered Lectures on 'Practise of Cardiology' in India' and on 'Balloon valvuloplasty' at University of Oregon, Portland, University of Texas at Dallas and in university of Alabama in Birmingham.

Dr. Satyavan Sharma appointed as Vice President, Indo-American update on Cardiology and advanced Echocardiography, Bombay India, December 1988.

Dr. Satyavan Sharma appointed as Vice President and Dr. C. V. Shah as Chairman, Scientific Committee for the International Congress on "Directions in Cardiovascular advances" (promise & clinical reality) organised by National Society for prevention of heart disease and rehabilitation, Bombay, due on September 30th to October 2nd 1989.

10. PLASTIC SURGERY :

Plastic Surgery O. P. D. was conducted every Wednesday and Friday and a total of 577 new cases were seen.

In addition about 100 cases were seen every week for follow up treatment. Full documentations and records of all these cases were made and updated. A total of 980 cases were admitted for surgery of which 400 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.

All the members of the department attended the 23rd National Conference of Plastic Surgeons held in Madras in August 1988. Dr. S. M. Mahaluxmivala and Dr. Narendra Pandya actively participated in Scientific deliberations as chairpersons and presented papers.

Dr. Narendra Pandya was appointed as Honorary Surgeon to the President of India. He was also installed as the President of Rotary Club of Bombay, Midtown.

All the members participated in the Golden Jubilee year conference of Association of Surgeons of India held in Delhi 1988. Dr. S. M. Mahaluxmivala was the Convenor for the Symposium on 'Reconstructive Surgery of the Breast'.

Several academic and teaching programmes are being conducted by the department. Instructional Course for M. S., M. Ch. students was taken by Dr. S. M. Mahaluxmivala in September 1988 which was attended by Post-graduates from all Hospitals and Teaching Colleges in the city.

11. HYPERTENSION CLINIC :

The Hypertension Clinic has been gradually having an increased workload. In the year 1988, the clinic has registered 154 new cases.

The O. P. D., of the Clinic is held on Every Tuesday. The new and follow-up cases are seen, examined and treated on the same day.

The newly registered as well as follow-up cases 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 the Clinic by way of donations.

Dr. S. L. Soneji, Dr. P. J. Mehta and Dr. (Mrs.) S. A. Kamath are on the editorial board for the 'Journal of Hypertension — India'.

12. NEPHROLOGY CLINIC :

The Nephrology Clinic of the Department of Medicine is headed by Dr. V. V. Shanbhag, Hon. Prof. of Medicine. The O. P. D. Services of this clinic are available on every Wednesday and Saturdays from 9.30 a.m., to 12. 30 p.m. About 400-450 new cases are seen every year alongwith the old cases for follow-up. These patients are diagnosed and treated with available improved technology and equipments.

In the year 1988, the Artificial Kindney Division of this clinic is shifted to L. T. M. G. Hospital alongwith the dialysis machines and technical staff on temporary basis as the building in which it was housed is under repairs. However, the clinic is active in providing O. P. D., and indoor patient services to the patients at the hospital. The medical team of this clinic is also carrying out some dialysis procedures at the M. A. C. U., when it is essential.

13. ASTHMA AND OBSTRUCTIVE AIRWAY DISEASES CLINIC :

This clinic of the Department of Medicine was started in the year January 1976 and is conducted every Monday in R. No. 26 Ground Floor of the New O. P. D. Block of the hospital between 9.00 a.m. to 12.30 p.m. Dr. (Mrs.) A. J. Pai-dhungat, Prof. of Medicine is the in-charge of this clinic and Dr. (Smt.) Y. V. Meisheri, Reader in Medicine is her associate. One lecturer in Medicine and one house physician also attends the clinic.

About 5 new cases are seen every week (new registration plus referrals from other units). In addition, about 50-60 old cases come for follow-up. About 2-3 cases get admitted in the medical wards on account of Asthma. The patients attending the clinic are called for the following tests on weekdays viz. —

(1) Allergy testing, twice a week and 4 patients per week.

(2) Pulmonary function testing, daily appointments — before and after bronchodilator and during exercise.

(3) Exercise testing, twice a week.

(4) Biochemical investigations, daily appointments - for glucose, free fatty acids, lactic acid and blood recalcification time, immunoglobulins, histamine, serotonin. These tests will be done on a regular basis once the separate technician is provided/appointed.

During the year 1988, Dr. (Mrs.) A. J. Paidhungat conducted a drug trial on "Comparison of various bronchodilators in Asthma" via Research Society of the B. Y. L. Nair Ch. Hospital and T. N. Medical College which was financed by M/s. Biddle Sawyer Pvt. Ltd., Bombay.

A trial on 'Platelet activity in asthma' via Nair Golden Jubilee Research Foundation is completed in the year 1988 by Dr. (Mrs.) A. J. Paidhungat.

14. 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 chloric adjustment is made according to the patients dietary habits. A full social workup is also carried out. Patients spend about an hour or an hour and a half for this initial evaluation and then therapy is decided.

Follow up patients are seen every Monday and Thursday from 1.30 p.m. onwards. Insulin is distributed through this O. P. D. Blood sugars are repeated every three months and dosages of drugs are adjusted according to these reports in well complaint, well adjusted patients. Less complaint or less adjusted patients are followed and evaluated at lesser intervals. Patients are also evaluated for any specific problems that they may have and investigated and treated accordingly.

A joint grand round is taken for referred patients in the wards where patients of endocrine disorders and diabetes are seen in detail. The patients are referred on any day for re-evaluation. All the patients suffering from diabetes undergoing surgery are managed by the diabetes units. Special case is taken of patients with juvenile diabetes and of pregnant diabetic women. All the services are offered as and when needed to the diabetic patients with complication e.g., laser therapy for retinopathy and dialysis for nephropathy. Besides 3 monthly blood sugars, 1 pidogram, 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 Department of T. B. and Chest Diseases 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.	432	200/wk.
Diabetes T. B. O. P. D.	50	15/wk.
Referred cases :	8-10/wk.	

15. MEDICINE RESEARCH LABORATORY :

1. Biochemical Tests :—

Urea Nitrogen	4582	Creatinine	4945
Uric acid	2763	Glucose	13155
Sodium	9544	Potassium	9544
Chloride	9544	Total Proteins	8621
Albumin	7534	Globulin	7534
Electrophoresis Proteins	1082	Calcium	5322
Phosphorus	5322	Alkaline Phosphatase	7428
Acid Phosphatase	17	S. G. O. T.	3068
S. G. P. T.	3068	Billirubin	1897
Cholesterol	2626	Amylase	60
Barbiturate	62	Triglycerides	1388
Apo-Lipoproteins	—	HDL Cholesterol	1388
VLDL Triglyceride	1388	Glycosulated Hb	—
Lactic Acid	4	Free Fatty Acids	175
Blood recalcification time	175	C. P. K.	6
L. D. H.	13	Ammonia	31

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2. Urine tests :—			
Urine Proteins	671	Bence Jones Proteins	17
Specific gravity	75	V. H. A.	27
P. H.	36	Amino Acid	2
			828
3. Immunological Tests :—			
R. A. Tests	2371	A. N. A.	513
Immunoglobulin	3204	C. R. P.	243
Complements	92	Cryoproteins	243
A. S. O.	29	M'band detection	27
T & B Cells	48	T-cell subpopulations	160
			6930
4. Cytological Tests :—			
Hemoglobin	8579	Total W. B. C.	8579
Differential W. B. C.	8579	E. S. R.	2494
Malarial Parasites	10	Platelet	120
			28361

16. AUDIOLOGY AND SPEECH THERAPY SCHOOL :

Clinical : 4302 new patients were seen.

Academic : 10 students were admitted in F. Y. B. Sc. (A.S.T.) for the academic year 1988-1989.

Results of B. Sc. (A.S.T.) students is as follows :—

Class	No. of students appeared for Exam.	No. of students passed.	Results
F. Y. B. Sc.	10	10	100 %
S. Y. B. Sc.	9	9	100 %
T. Y. B. Sc.	8	8	100 %

Educational :

As a part of Silver Jubilee Celebrations we hosted the XX Annual ISHA Conference at B. Y. L. Nair Hospital from 6th-8th February 1988. Around 250 delegates including three foreign dignitaries (Dr. Jack Katz and Dr. Handerson from U. S. A. and Dr. (Mrs.) Hildman from West Germany) participated in the conference.

As a part of continuing Educational Programme a day's seminar on "Current Trends in Aphasiology" was held on 6th February 1988. Dr. E. P. Barucha an eminent Neurophysician inaugurated this programme.

The inaugural function of the Logo Project for the Deaf launched by the then Mayor of Ramesh Prabhoo was organised by our department on 3rd March, 1988 and it was sponsored by M/s. Philips India. On this occasion 200 logos were distributed to hearing impaired children from the city of Bombay. 10 schools for hearing impaired including the school attached to B. Y. L. Nair Hospital participated in the variety entertainment programme.

Dr. Vaidyanathan was invited to attend as an expert in the Workshops on "Standard Indian Sign Language and the Common Grammatical Structures in Indian Languages" organised by AYJNIHH, Bandra in March 1988.

Mrs. M. M. Sanghi attended one day Workshop on Cochlear Implant in the month of July 1988 organised by AYJNIHH, Bandra.

Dr. Vaidyanathan and Miss Hattiangadi were invited to participate in the Workshop of Construction of Language and articulation tests in Indian Languages in July 1988 by AYJNIHH, Bandra.

Miss M. B. Doshi full time lecturer in Speech Pathology has gone on a study leave to do her Masters in Audiology and Speech Pathology at the University of Connecticut, U. S. A. in August 1988.

The valedictory function of the Silver Jubilee year (August 1987 - August 1988) was organised on 31st August 1988 which included the following :-

- (1) A cultural programme in which 16 schools for hearing impaired participated.
- (2) Hearing impaired children who passed out S. S. C. in March 1987 and 1988 were given certificates.
- (3) Schools which has completed 15 years in the service of hearing handicap were felicitated by giving certificates.

Mrs. S. O. Kapur and Mrs. Huzurbazar contributed actively in designing and planning the Workshop on problems of the Deaf and also actively participated in the same workshop "Problems of the Deaf Integrated education its problems and solutions" organised by the Regional Rehabilitation Training Centre, Ministry of Welfare, Bombay in October 1988.

Dr. Vaidyanathan and Mrs. G. B. Gore were invited to attend a "college in Neurophysics : organisation of the Brain" conducted by the International Centre for Theoretical Physics at Trieste in Italy from 6th November 1988 to 2nd December 1988.

Prof. R. K. Jagadeesh attended the meeting held on 17th and 18th November 1988 to finalize the curriculum for B. Sc. and M. Sc. at the National Level which was organised by AYJNIHH at the behest of Rehabilitation Council.

Mrs. M. M. Sanghi and Mrs. V. V. Keer were deputed to attend clinical application of personal computer in communication disorders on 17th November to 19th November 1988 organised by AIISH Mysore.

Mrs. S. O. Kapur was invited as a Resource Person and lectured on "Psycho-social problems of the hearing impaired" in a Workshop "Psychology of the hearing impaired organised by AYJNIHH, Bandra, December 1988.

Dr. Vaidyanathan attended and participated in the Interdisciplinary National Seminar on Language Process and Language Disorder from 16 - 18 February 1988.

Report of Nair Hospital School for Deaf for 1988 :

Nair Hospital Audiology and Speech Therapy School is conducting classes for Deaf at Nana Chowk Matunga and Vile Parle. Total 75 students are studying in these classes. Six full time and one part-time teachers are working in this unit.

This year in the month of January we had arranged different competitions like sports, drawing-painting and General knowledge. Many students got the prizes. These students had also participated in other Deaf School competitions and got some prizes. Like every year we have celebrated many festivals like Gokulashtami, Ganpati, Diwali, Rakshabandhan, Idd, Moharram etc. By this they understand the importance of festival, method of celebration and language regarding it.

This year we had arranged one day Educational visit to 'Vajreshwari' by which students experience the world out side of the school.

This year 13 new students were admitted in Hindi and Marathi medium. Out of that 6 were in Hindi and 7 in Marathi.

The following are the statistics pertaining to the school :—

	Marathi	Hindi
No. of students	32	42
Out of these No. of children attending normal schools on part-time basis—		
1st Standard	1	2
2nd Standard	4	8
3rd Standard	1	9
4th Standard	6	—

This year Audiology and Speech Therapy School celebrated Silver Jubilee programme. In the concluding programme, two S. S. C. passed students of Nair Hospital received certificates and prizes. Our school students performed 'Koli dance' in this programme.

This year Mahalaxmi class was closed and shifted to Nana Chowk with furniture and group hearing aid system. One of the teacher of Nana Chowk School Smt. K. V. Thorat, attended workshop of 'Dramatics Training' for Deaf Students and completed successfully.

This year we have purchased many Geographical as well as Mathematical instruments for School. We have included some new colourful books, charts and maps in School Library.

17. ENDOCRINOLOGY DEPARTMENT :

The department is responsible for patient care in the speciality of Endocrinology. This comprise of clinical evaluation of patients, specialised laboratory investigations, treatment modalities and longterm follow-up which is extremely essential in this branch.

O. P. D. Days as follows :—

O. P. D.	Day	Time
General Endocrin O. P. D.	Tuesday & Friday	10.00 a.m., onwards.
Thyroid O. P. D.	Monday & Wednesday	9.30 a.m., onwards.
Diabetes O. P. D.	Monday & Thursday	9.30 a.m., onwards.— new cases. 1.30 p.m., onwards.— old follow up cases.
Growth Clinic	Friday.	11.30 a.m. onwards.

Besides in indepth clinical evaluation patients are also evaluated for their dietary intake and a proper dietary recommendation is made. Patients socio-economic status is ascertained by the Social Worker, who helps patients by arranging for drugs or any other help that is needed.

Patients with growth retardation are routinely referred to psychiatry department and C. G. C. for I. Q. Testing.

In the Endocrine O. P. D. patients with hypothalamus pitutary, adrenal, genetic/chromosomal disorders, reproductive disorders, hirsutism and parathyroid disorders are evaluated.

The Annual O. P. D. Attendance :—

Endocrine O. P. D.	631	1533
Growth Clinic	65	185
Thyroid O. P. D.	537	60/wk

Total No. of laboratory tests done during the year :—

A. URINE :—

1. Creatinine	85
2. 17 Ketogenic steroids	170
3. 17 Ketosteroids	
4. Urine Pregnancy Tests	19

B. Blood sugars

174

C. Radioimmunoassay :—

F. S. H.	598	L. H.	526
Prolactine	258	T ³ .	860
T ⁴ .	874	T. S. H.	862
Testosterone.	348	G. H.	432
Cortisol.	258	A. C. T. H.	86
C-peptide	290		

D. Sex Chromatin ... 74

E. Semen Analysis ... 141

F. Karyotyping ... 50

G. Glycosylated Haemoglobins ... 60

H. Animal House Work : *i.e.*, maintainance and breeding of Rodent Colony.

1. Use of rats and mice for bioassay. — 60

2. Animals supplied to other departments — 17 mice + 300 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 undergraduate students.

Seminars, Case discussions and journal review on Endocrinology and Diabetes are conducted in the Department on Friday at 2.30 p.m. onwards. The department participates in clinical meetings conducted by Medicine department.

The Endocrine Department also has an animal house, where rats and mice are bred. The animals are used for biological tests, research and experimental purposes, by the Endocrinology Department and by the other departments those need them. One of our Laboratory Technician specially trained in this field looks after the animal house.

18. PREVENTIVE AND SOCIAL MEDICINE :

Services :

At the community — Comprehensive Health care services are given through 2 Urban Health Centres.

Immunisation in O. P. D. of Nair Hospital :

	I	II	III	Booster
Triple	1898	1258	987	476
Polio	2637	1501	1320	672
D. T.	106	58	—	172
B. C. G.	3827			
Measles	668			
Typhoid				
TABC 46				
Cholera				
Typhoid	14			
Cholera	29			

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 two communities for the year 1988.

SHIVAJI NAGAR SHAHAJI NAGAR

1. Total No. of patients treated	49976	54623
2. Total No. of children treated at under five clinic.	3163	2123
3. Antenatal mothers registered	401	405
Gynaec cases.	396	219
4. Dental check up	992	1082
5. Skin cases	4324	1868
6. Leprosy cases.	—	1000
7. Ophthalmic.	1188	1221
8. Immunisation :—		
Polio.	8178	3965
Triple.	7192	3551
D. T.	202	117
B. C. G.	2044	1132
Measles.	577	358
T. Toxoid.	1956	2262

Vehicles donated under ROME scheme were utilised for the activities in the field practice area and as for immunisation camps.

School Health Services :

Medical inspection of school children belonging to standard 1st, IIIrd Vth and VIIth at Cheetah Camp Municipal School was carried out. 2073 children were examined and 686 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 was continued during the year 1987-88. 1607 children from Baiganwadi Municipal School and 1683 children from Cheetah Camp Municipal School were given nutrition supplements under this programme. Children were given approximately 50 gms. of cooked usal per day at the cost of 29 paise per child per day.

Universal Immunisation Programme :

The department has launched the UIP programme aided by Government of India from January 1986 and the programme is continued during the year 1988. Under this programme the services are provided to about 5 lacs of population. Majority of the beneficiaries are from the poor socio-economic group residing in the slum communities around Nair Hospital namely Agripada, Arthur Road, Tulsiwadi and urban field practice areas at Cheeta Camp and Shivajinagar Deonar. Immunologicals are administered at the fixed centres at Shivajinagar, Cheeta Camp and Nair Hospital on all the working days, Immunisation camps are conducted in the interiors of the community, 2-3 times a week. Interns and the medical students participate in the camp. Report of the immunologicals administered during the year 1988 is as follows (figures included that of Nair Hospital and the two Urban Health Centres).

A. Vaccination performance :

Pregnant Women	Vaccine	Dose	Cumulative since Jan.-Dec. 88		
			Under 1 year	Over 1 year	
	— T.T.	1	325		
		2	169		
Children	— D.P.T.	b			
		1	5972	1370	
		2	3825	703	
			3	2863	559
			b	—	1869
	— Polio	1	7349	2083	
		2	4410	993	
		3.	3463	715	
		b	—	2243	
	— B.C.G.	1	7407	335	
— Measles	1	1651	134		
— Vaccine Dose			Cumulative since Jan. to Dec. 1988		
			5 yrs.	5 yrs.	

Children	— D.T.	1	201	113
		2	121	57
		b	370	149
	— T.T. (10 yrs)	1	2139	
		1	1508	

Under Five Clinic :—

Community	Groups	No. under Observation	Total of visits	Average visits infants or child
Cheetah Camp	Infants	506	1042	2
	Children	588	734	1.5
Deonar	Infants	371	1092	2.94
	Children	1741	1728	0.99
Social Services :—				
Community Visits :—				
Cheetah Camp	—	913		
Deonar	—	1422		
Collateral Contacts :				
Cheetah Camp	—	86		
Deonar	—	192		

Social Welfare Activities :—

	No. of beneficiaries	
	Deonar Community	Cheeta camp.
1. Nutritional aid to children.	237	698
2. Economic aid in terms of cash and kind.	176	23
3. Clothes.	7	Nil
4. Referral and follow up to hospital.	61	73
5. Case work.	306	—
6. Group work activity services for women for health education.	113	95
7. Balwadies are being run in the community.	1	—
8. Balwadi is being conducted with the help of community out reach programme.	1	1
9. Sewing classes for adolescent girls.	2 daily (10-12 girls in each batch)	2 daily 10-12 girls in each batch.
10. Employment and rehabilitation.	10	—
11. CRS programme.	583	—
12. Milk powder distribution.	3000	335
13. Youth group activities sessions.	9	—
14. Health talks.	315	—
15. Field immunisation camps.	54	—
16. Immunisation Home visit.	456	—
17. Home visits for ANC patients.	110	—
18. Motivated for F. P.	82	—
19. Cluster survey.	24	—

Cheeta Camp :—

Recreational activities for children and adolescent girls for sewing classes picnics arranged.
Technical classes for girls and boys are conducted.

1. **EPI Workshop :—** Department organised a 4 days workshop on Planning and Management of EPI. On the concluding day a field evaluation survey by cluster sampling method was carried out at Shivajinagar.
2. **World Health Day 1988, 7th April :—** Celebrated at Birla Krida Kendra. We organised a Health Exhibition & Handicraft Exhibition (participated by Community Women).

THYROID CLINIC :

Thyroid Clinic is conducted on Monday and followup on Wednesday. The attendance in Thyroid Clinic is as under :—

New patients.	537
Old patients.	60/Wk.

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	Total	Refer
Primary Schools :—				
Paediatric.	2616	12973	15589	—
Ophthalmic.	535	1180	1715	53
Aural.	313	757	1070	9
Grand Total	3464	14910	18374	62
Secondary School :—				
Paediatric.	366	1187	1553	—
Ophthalmic.	246	195	441	12
Aural.	53	93	5	
Grand Total	652	1435	2087	17

DEPARTMENT OF OPHTHALMOLOGY (EYE BANK) :

1. O. P. D. attendance (New) : 9,447
2. Indoor admissions : 1,052
3. Operation performed : 1,142
4. Special Clinics :
 - (a) Squint Clinic : 64
 - (b) Glaucoma clinic : 148
 - (c) School clinic : 1,440
 - (d) Laser therapy : 170
5. Eye bank activities :—
 - No. of donors registered : 150
 - No. of Kertoplasty done : 12
 - Eye donation fortnight observed between 25-8-88 to 6-9-88. Flag pinning ceremony observed on 5-9-88.
6. Mobile ophthalmic van activities :—
 - Total No. of patients treated : 4,022
 - Camps organised : 4
 - Mobile ophthalmic van services extended to Malvani Health Centre.
7. Developmental Activities :—
 - (1) Visual Field Analyser installed and put into use. This is an advanced technique in the early detection of glaucoma screening procedures.
 - (2) The mobile Ophthalmic Van Services has been extended to Malvani Health Centre of every Saturday.
 - (3) Four diagnostic eye camps conducted through the Mobile van services.
 - (4) Residents of Ophthalmology Department won the second prize in the Ophthalmic quiz organised by the Bombay Ophthalmological Association.
 - (5) Resident Dr. Parimal Shah—participated in the (i) Bridge All India Inter University tournament, (ii) Maharashtra open for Agashe Trophy — Bridge Tournament.
 - (6) Doctors of Ophthalmology Department won second prize in Ophthalmic quiz at the 46th all India Ophthalmological conference.

DEPARTMENT OF DERMATOLOGY & VENEREOLOGY :

The department functions all the days except Sundays from 8 a. m. onwards.

1.	Attendance at O. P. D.		
	(a) Skin infection.	New	Old
	(b) V. D. Cases.	23,569	19,438
	(c) Total infections.	18,320	21,547
	(d) Non-infections.	41,889	40,985
	(e) Ratio of Infection — Non infections : 2 : 1	15,064	11,215
	(f) Total attendance.		
2.	Inpatients :	56,953	60,200

	Normal.	Abnormal.
3. Investigations		All
(a) Biopsies.	1,480	3,218
(b) V. D. R. L.	4,801	1,895
(c) Dark Ground illumination.	2,975	2,979
(d) Smear for Gonococci.	3,765	218
(e) Smear for Donovanosis.	753	
(f) Smear for Chancroid.	325	Nil.
(g) Smear for Leprosy.	521	298
(h) Scales for Fungus.	5,732	4,602
(i) Urine.	529	210
(j) Stool.	231	138
(k) Blood Count.	429	171
(l) E. S. R.	315	174
4. Photographs :—	2,976	
5. Therapy :—		
(a) Superficial X-ray.	Nil	
(a) Superficial X-ray.	1,975	
(b) Electrodessication.	2,070	
(c) Chemical Cautery.	1,693	
(d) Phodephyllin.	1,893	
(e) Intralesional Steriod.	59	
(f) Cryotherapy.		
6. Medical Education :—	Lectures & clinics.	

Clinical Meetings of I.A.D.V. & L :

1. Dr. B. Vas (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 Bombay.
2. Dr. Akila Kapasi (Registrar) won the All India prize and medal for the best paper presented at the All India Conference of I. A. D. V. L. at Bombay.
3. Post conference clinical meeting was arranged.
4. A Guest and Workshop conducted by Dr. Ramu, Director of All India Leprosy project of W. H. C.

23. 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	841
Female	446
Total	1287
Daily average admissions	4
Total deaths	1
2. Outdoor Services :	
The O. P. D. is conducted on all working days of the week.	
Total new cases	3883
Total No. of follow up cases	35801
3. Therapies :	
Total No. of E. C. Ts.	5164
Daily average E. C. Ts.	20
Insulin therapies	9
Total No. of C. S.	6

4. Teaching activities :

1. Under and Post-graduate :
 - (a) 24 lectures in psychiatry were taken for III MBBS students.
 - (b) History taken, clinical cases discussion and lectures taken for IInd M.B.B.S. students during their 15 days clinical term posting.
 - (c) Post graduate teaching programme : The post graduate teachers and lecturers hold regular clinics with case discussion and discussion on selected topics for the resident psychiatric staff and post graduate.

2. Speech Therapy Students :—

Around 30 lectures are held for 3rd year B.Sc. students on various clinical topics in Psychiatry.

Nursing Students :

40 lectures on Psychiatry are held for 3rd year Nursing Students of Nair Hospital. Teaching programme for (1) S.N.D.T., (2) Jaslok Hospital, (3) H. N. Hospital students.

Clinical Psychologist students :—

Teaching programme with clinical experience given to M.A. (Bombay University) students.

Social work students :—

16 lectures are held on every Wednesday for T.I.S.S. students.

School Mental Health Clinic :—

The O.P.D. is conducted on every day between 9 a.m. to 12 noon and 1 p.m. to 4 p.m.

The school visits are carried out by a team of Psychiatrist, Social Worker and Psychologists.

Total No. of new cases seen.	...	...	335
Total No. of follow-up.	...	...	1173
No. of schools.	...	...	12
No. of cases seen in schools.	...	...	936

Peripheral activities :

(a) The annual West zone Conference of India Psychiatric Society was held at Kolhapur in September 1988. 7 Staff members attended the same. 4 papers were read, one staff member chaired a session and 4 staff members participated in seminar.

(b) The annual conference of Indian Psychiatric Society held at Varanasi was attended by 5 staff members and a paper on Post graduate Psychiatric Education in India was read. A total of 5 papers were read at the same conference.

(c) Workshop on "Psychiatric Education for undergraduates" was conducted in Bombay by Department of Psychiatry in association with Indian Psychiatric Society. Speakers at national level were present. Proceedings went to all Universities and Medical Council of India. Undergraduate, postgraduate teaching has been modified and upgraded.

(d) 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.

(e) A Psychiatrist from our department attends the C. G. C. daily which is attached to Paediatric Department.

(f) Staff members were invited as guest lecturers outside Bombay i.e. Gujarat and Maharashtra to deliver lectures on various Psychiatric subjects.

Other activities :—

1. Teachers Training Programme :—

The school mental Health Clinic, Psychiatric Department, B. Y. L. Nair Ch. Hospital is conducting a lecture 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 the spot guidance to their parents.

2. The various staff members participated in association with schools, lions and rotarians and other organisations in the drug and alcohol addiction programmes in Bombay.

3. A painting competition for mentally retarded children was held in the Department. 75 children participated and prizes were distributed.

4. Guest lecture on "Artificial intelligence" was arranged in the T.N.M. College auditorium.

5. A depot injection clinic was started once a week every Mondays.

6. "Pain Clinic" participation by staff members in liaison with specialist of other faculties.

25. MEDICAL SOCIAL WORK :

Old cases carried over from 1987.	6920
New cases referred in 1988.	16211
Referred from other Institution.	2903
Total No. of cases handed in 1988.	26034
No. of home visits, Institutional visits and collateral contacts.	8312
Case work services given and No. of cases referred for rehabilitation.	7816
No. of follow up letters and letters send to donors, charitable and welfare organisation.	11220

A. Material aid given :

Appliances as belts, callipers, crutches etc.	3890
a. Wheel chairs.	378
b. Glasses (Spectacles).	1760
c. Tri wheeler.	158
B. Costly and non-scheduled drugs.	8240
C. i. Food.	16110
ii. Ration.	1975
iii. Supplimentary nutritional aid high protein diet.	1220
iv. Milk powder.	9210
D. Clothes.	7122
E. Library books given to patients.	1120
F. School fees, uniforms, test books for patients children and young school going patients.	3224
G. Travelling expense.	1913
H. Employment for patients and their family members.	1437/992
I. Accomodations.	412
J. Institutionlization.	950
K. No. of cases rehabilitation.	4872

Report of the work and training centre for the disables for the year 1988 :-

This project started in 1981 as it was the year of Handicapped. It was inaugurated by Hon. Municipal Commissioner Shri D. K. 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 coloboration 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. Four disables are completely rehabilitated and they are on own. During this year 47 disables have taken advantage of this project. Free lunch facility is arranged through donation.

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. They have donated in kind worth Rs. 45,000/- which is an asset for disables in rehabilitation.

During this year approximately following donations arranged in cash and kind :-

Rs. 6,51,522/- in the form of drugs.

Rs. 21,310/- for the appliances.

Rs. 10,00,000/- for the patients undergoing Cardiac Surgery.

Rs. 66,961/- 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 Dept. for assesing their cases and they have raised their funds. Rs. 5,11,492/-.

Following Welfare activities conducted by M.S.W. DEPT. :-

1. Haldi-Kumkum function arranged for the Indoor female patients.
2. Diwali Get together of disabled, arranged for sweets and gifts to all.
3. Dasara Get to-gether arranged in Gynaec. Ward and donated baby clothes and blankets.
4. Function arranged for the recovered Alcoholics who are employees and patients for Nair Hospital (Project for Rehabiliiation of Alcoholics).
5. 7th Anniversary of Work & Training center celebrated on 14th December 1988.
6. Exhibit cum sales was organised of the articles made by disables of Nair Hospital.
7. Cleanliness Drive arranged by M.S.W. Dept. for ward and Dept.
8. Rangoli competition arranged for staff members.
9. Function arranged to donate 12 wheel chairs to handicapped through Alimco Scheme.

Report of the project of rehabilitation of Alcoholics :-

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 coloboration 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.	...	59
Hospital employees.	...	227
I. P. D. patients.	...	205
Family members and A. A. Members.	...	950
No. of alcoholics attended meetings.	...	1794
Recovery in the year.	...	59
O. P.D. patients.	...	407

25. OCCUPATIONAL THERAPY DEPARTMENT :

The following are the figures for the year 1988 of work-load and the work analysis.

1. Total No. of patients for the year 1988.	...	12014
2. Total No. of patients attendance.	...	88848
3. Total No. of splints prepared.	...	948

P.V.C. & D.C.U. Painting 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.

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 deservations 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.

26. PHYSIOTHERAPY DEPARTMENT :

The following are the figures for the year 1988 of the workload and the work analysis.

Total No. of patients treated.	...	12535
Total No. of patients attendance.	...	169985

Miscellaneous :

Head of Physiotherapy department Mrs. S. S. Idgunji has been promoted as Prof. Lectures for undergraduate and post-graduate, M. Sc. students and Medical students are taken regularly.

Miss H. S. Writer 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.

27. DEPARTMENT OF RESPIRATORY DISEASES :

We have continued our development of Non T. B. Chest Services to O.P.D. and Indoor Patients. A New Computerised Machine for lung function test have been installed and has started functioning partly and soon work to its full capacity for better diagnosis of respiratory diseases.

Out Patient Services :—

Total No. of O.P.D. patients.	...	4197
New patients of Non-T. B. Chest diseases registered in Chest O.P.D.	...	1206
Total No. of T. B. cases taking T/T and following up in.	...	376

This being a Area T. B. Clinic once a patient is diagnosed to have pulmonary T. B. he is referred for the T/T to a T. B. Clinic nearer to this residence. Hence there is a less No. of patients on T/T in our clinic.

Total No. of T. B. patients followed up in 1 year. 21585
Total No of chest patients followed up in one year. 57888

Pathology Laboratory :—

1. Sputum samples examined.	4350
2. C. B. C./E. S. R.	600
3. Stool/Urine.	220
Pulmonary function Laboratory	
Pulmonary function test.	700
Fiberoptic Bronchoscopies.	129

In addition we are doing family screening for T. B. patients relatives to rule out T. B. On an average about 20 patients are screened and almost 1000 patients are screened.

28. RHEUMATOLOGY CLINIC :

The Rheumatology Clinic started in the year 1956. The clinic was headed by Dr. V. R Joshi, Prof. & Head, Dept. of Medicine and the other associate members are Dr. (Mrs.) R. D. Siqueira and Dr. (Mrs.) N. E. Borges and one lecturer in Medicine.

Rheumatology O. P. D. for new cases is held on every Friday morning and the follow-up services are made available on Saturdays. These apart SLE; PSS, DM/PM and other collagen vascular diseases. R. A. patients on second line drugs, SSA and special study patients are seen on different days to facilitate better follow-up services.

In the year 1988, total 750 new cases were registered at the clinic. 164 were admitted and treated as Indoor patients.

The laboratory services provide adequate support of routine and immunologic tests.

The unit is very much active in drug trials, research projects etc.

The members of the unit/clinic had participated in the '6th Seapal Congress of Rheumatology' held in Tokyo in Sept. 1988. and also in the Annual Indian Rheumatism Association Conference held at Madras in December 1988 and presented their papers. Also few research papers have been published and are under publication in national journals during the year. One M.Sc. thesis in Microbiology was completed during the year based on Rheumatology case material.

29. PHARMACY DEPARTMENT :

1. Compounding and dispensing of Drugs :—

This year Pharmacy has dispensed 392116 No. of case papers out-door and 1096 at Indoor.

No. of stock items supplied to O. P. D. and Theatre. 13,120 No.

Total quantity of stock prepared for Indoor and out-door patients are given below :—

i. Quantity of stock solutions prepared in 1 lit.	...	8582.250	lit.
ii. No. of packets made.	...	128418	pkts.
iii. No. of powders wrapped.	...	33827	pkts.
iv. No. of O. P. D. prescriptions dispensed where account is kept.	...	92872	No.
v. Prescriptions where special drugs is issued and account is kept. (O.P.D. No. 34).	...	6519	No.
vi. Simple Syrup in lit.	...	781400	Lit.
vii. Quantity of stock mixture prepared lit.	...	13338.150	Lit.

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 services involved 5422 No. of sets and 15075 No. of trays with annual turnover of 20,497 No.

The dressings drums/packs sterilized during the year are 9842 Nos.

3. Manufacturing of Pharmaceuticals :

Consolidated manufacturing figures are given below :—

1. Transfusion bottles 1 lit.	...	730	No
2. Transfusion bottles 540 ml.	...	1,49,141	No.
3. Vials/ampoules Assorted.	...	28,828	No.
4. Transfusion bottles 375 ml.	...	385	No.
5. Eye ointment packets.	...	1,500	No.
6. Ointment & creams for ext. use.	...	677.50	kg.
7. Powders.	...	196.00	kg.
8. Lotions and Liniments.	...	678.50	Lit.
9. Con. Castor oil liquid soap.	...	125.00	Lit.
10. Soft Soap.	...	15.00	Kig.
11. Sterile Vaseline Gauze tray.	...	45	No.
12. Distilled water 10 lit. carboys.	...	24	No.
13. Distilled water 7 lit. carboys.	...	635	No.
14. Distilled water 5 lit. flasks.	...	689	No.

Two new preparations are undertaken this year.

4. Quality Assurance :—

A total No. of 23 different kinds of products splitted up in 1033 No. of batches manufactured by Pharmacy Department were tested of the finished stage and during processing. For which 10,488 No. of various kinds of tests were performed.

A total No. of 431 different kinds of products splitted up in 2,474 No. of batches purchased by Store from outside market were tested. For which 9,051 of various kinds of tests were performed. 189 batches were rejected. The % of rejection being 5.5%.

All the sterilizers under control of Nair Hospital were tested for their effective working every fortnightly by performing sterility test on live cultures.

Periodical samples from Nair Dental Hospital were tested.

5. Glass Blowing :

Following articles are prepared by the Glass Blower in the year 1988 :—

Sr. No.	Name of the items.	Quantity.
1.	Murphy's Drips.	560 No.
2.	Needle Covers.	750 No.
3.	Bleeding sets tube.	600 No.
4.	Glass tubing for renal drainage set small.	1200 No.
5.	Glass tubing for renal drainage set big.	1150 No.
6.	Saline sets tubes big.	1150 No.
7.	Saline sets tubes small.	850 No.
8.	Thorasic Drainge Set Small.	1650 No.
9.	Thorasic Drainage Set Big.	700 No.
10.	Oxygen Canula.	200 No.
11.	L. P. Set rods.	850 No.
12.	Test tubing for manufacturing section.	460 No.
13.	'L' tubes for thoracic drainage set.	550 No.
14.	'Y' connections.	160 No.
15.	Long droppers.	85 No.

Needle Sharpening :

Total 5,410 No. of Hypodermic needles were rasharpened.

6. Maintenance of machineries :—

The maintenance of all electrical equipments of Pharmacy is done departmentally. This also includes some repairing work. The repairs of all tyes of Sterilizors of wards and Operation Theatres is attended to meet their emergencies.

During the year 724 repairing jobs are attended totally. These are mainly as follows :—

1. The change of electrical heater of the sterilizer.
2. Change of spare parts.
3. Removal of water/steam leakages of the sterilizers.
4. Checking/changing of electrical connections to the equipmnents.
5. Change of gaskets of the sterilizer.

7. Education :

During the year following students from various colleges in the Maharashtra State undergone the practical training of 750 hours as required by the Pharmacy Council of India for registration.

Sr. No.	Name of Institution/College.	No. of students
1.	K. M. Kundnani College of Pharmacy, Ulhasnagar.	2
2.	Govt. College of Pharmacy, Malegon.	7
3.	S.N.D.T. Womens University Bombay.	2
4.	New Bombay.	1
5.	Jalgaon.	1
6.	Ratnagiri.	1
7.	Nasik.	2
8.	Chiplun.	2

I/II M.B.B.S. students in 3-4 batches have visited the Department to get the knowledge of hospital Pharmacy and Sterilization processes.

30. E. N. T. DEPARTMENT :

Department of E. N. T. consists of one Full-time Unit which was under Dr. D. S. Grewal, Prof. & Head of E. N. T. and Head & Neck Surgery Department and one Part-time unit under Dr. N. L. Hiranandani, Hon. E. N. T. Surgeon and Hon. Prof. of E. N. T.

The following were the activities of the department of E. N. T. and Head & Neck Surgery during the year 1988 :—

O. P. D. Services :—

The total No. of patients attended E. N. T. O. P. D. during the year 1988 were 13,794. 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 Mandible, Ca Maxilla etc. are performed. The total number of operation performed during the year 1988 were 2074.

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 Monday, Wednesday and Friday at the E. N. G. Clinic conducted by 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 Radio-grapy, blood examination etc. are also advised. 211 new cases have been thus investigated and treated in the year 1988. 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 1988 were 346.

School Clinic :

Works for 6 days in a week in O. P. D. No. 8 from 1 p.m. to 3.00 p.m.

Peripheral Activites :—

a. Bombay Hospital :—

Dr. N. L. Hiranandani, Hon. Prof. & Surgeon in E. N. T. continues to visit Bombay Hospital twice a week.

Teachning 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 :

Participated in panel discussion in K. E. M. Hospital, Parel, during Temporal Bone Workshop.

Foreign Visits :—

Dr. Baser, Lecturer in E. N. T. Department received Training in Reconstructive Cancer Surgery and Cosmetic Facial Surgery at University of Goteborg, Sweden, from Sept. 88 to December 1988.

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.

31. DEPARTMENT OF ORTHOPAEDIC :

- | | | |
|---|-----|--------|
| 1. O.P.D. Attendance. | ... | 16,075 |
| 2. Indoor admission. | ... | 2,102 |
| 3. 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. | | |

Dr. C. A. Taiwalkar, Head Department of Orthopaedics and Honorary Orthopaedic Surgeon attended placement of three qualified T. N. M. C. students for further training in U.K. under O. D. T. scheme.

32. DEPARTMENT OF HAEMATOLOGY :

The O. P. D. functions twice a Week on Monday and Friday. 647 new cases have been 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 35-40 daily throughout the year.

Total No. of new cases	...	647
Total No. of cases	...	5006
Follow-up cases	...	4406
Total No. of investigations	...	63894

33. UROLOGY DEPARTMENT :

The O. P. D. functions twice a week on Tuesday and Fridays with average O. P. D. attendance of 15-20 patients.

All major and minor Urological operations are conducted.

Major operations	...	253
Minor operations	...	282
	Total	435

Started Ureterorenoscopy in Urology Department.

34 PAEDIATRIC SURGERY :

The O. P. D. functions twice a week on Wednesday and Saturday.

Minor operation.	...	106
Major operations.	...	75
	Total	181

35. NURSING :

The total No. of students admitted for General Nursing and Midwifery in the 1988 are 69 and 72.

The No. of students appeared for midwifery are 40 and all passed.

The No. of students appeared for General Nursing Part II Exam. 69 and all passed.

The No. of students appeared for Part-I are 94 and 73 passed.

The No. of students discontinued from training are 2.

The No. of students left the institution are 6.

Smt. Valsa V. D. — got prize for standing 1st in Medical Nursing in the council exam. held in June 1988.

The No. of staff nurses left the institution are 26.

In the month of February shorts were arranged for trained staff and students on college terrace.

In the month of February short term course on "Burns Nursing" in S. N. D. T. was attended by Sister Smt. P. Y. Rane and Smt. M. R. Tilgulkar.

In the month for May Mayor's Award was given to Smt. S. K. Pillai sister and Smt. Lourna Pereira 2nd year Student Nurse.

S. N. A. Diamond Jubilee conference at state level was held at Kolhapur in the month of August. Smt. Nancy Saldhana 2nd year Student Nurse won 2nd prize in running.

A conference on Neo-natal Nursing was held in the month of September at Shrinagar. Smt. Sosamma Mathew Sister Tutor and Smt. V. Rukhe, Ag. Sr. attended the same.

In the month of September Nair Award function was arranged and the following members got the award.

1. Smt. Thresiamma Joy.	Sister Tutor.
2. Smt. Anamma Samuel.	Sister.
3. Smt. Bharti Bille.	Staff Nurse.
4. Smt. Savita Kulkarni.	2nd Year Student Nurse.
5. Smt. Jijimol P. U.	2nd year Student Nurse.
6. Smt. Kalpana Alwe.	2nd Year Student Nurse.
7. Smt. Leela E. K.	1st year Student Nurse.
8. Smt. Abhaya Mayekar.	1st year Student Nurse.
9. Smt. Daisy Pappachan.	1st year Student Nurse.

S. N. A. Diamond Jubilee conference was held at National level in Bombay in the month of October. 3rd year Student Nurses won second prize for 'Skit'.

All India community meet was held at J. J. Group of Hospital Bombay in the month of November.

Smt. Thresiamma Joy. — Sister Tutor.

Smt. J. R. Pandit. — Sister Tutor.

Smt. Mary Mathai. — Sister Tutor.

attended the same.

In the month of December Farewell Party was arranged for Mrs. S. M. Kini, Matron and M. M. Pinto, Sr. Assistant Matron.

36. TOPIWALA NATIONAL MEDICAL COLLEGE :

The college has been permanently filiated 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.

544 undergraduate students (283 ladies) and 302 post-graduate students (123 ladies) were on the roll at the class of the year :—

Students on roll as on 1-8-1988 :—

UNDERGRADUATES :

Class	Male	Female	Total
III M. B. B. S. III term.	45	46	91
III M. B. B. S. II term.	9	3	12
III M. B. B. S. I term.	42	43	85
III M. B. B. S. Casual.	26	9	35
II M. B. B. S. III Term.	11	4	15
II M. B. B. S. II term.	36	48	84
II M. B. B. S. I term.	7	8	15
I M. B. B. S. III term.	41	59	100
I M. B. B. S. I term.	41	60	101
I M. B. B. S. Casual.	3	3	6
Total	261	283	544

POST GRADUATES :

Class	Male	Female	Total
M. D./D. M. (All branches)	88	61	149
M. S./M. Ch. (All branches)	69	13	82
University Diploma	18	13	31
D. M. L. T.	—	10	10
M. Sc. by papers & research.	2	23	25
Ph. D. (Micro./Biochem.)	2	3	5
...	179	123	302

37. TOPIWALA NATIONAL MEDICAL COLLEGE LIBRARY :-

The library of Topiwala National Medical College & B. Y. L. Nair Ch. Hospital is well maintained and information stored are easily accessible. Library services were caters to 534 Undergraduate Students, 226 Postgraduate Students, 221 Physicians and 300 Residential doctors, Scientific Officers, Research Assistants, Nurses and other Paramedical Staff Research from other institute were permitted to use the library facility with the permission from the competent authority. The Xerox facility is also made available by Nair Golden Jubilee Research Foundation. The Computer is also made available by Nair Golden Jubilee Research Foundation. Now it has been transferred to the Pharmacology Dept. The book 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 :**A. BOOKS.**

	1988-89	1987-88
1. Total No. of books added in the collection of Central Library.	901	607
2. Purchase for Central Library from the current year grant.	186	243
3. Received as grants from various sources.	220	97
4. Kept in the library for reference only.	179	109
5. Text Books purchase (as new edition published) for undergraduates.	93	37
6. Transferred to various departments for quick reference from separate grant for departments.	223	267
7. No. of books withdrawn from collection as became old edition.	76	26

B. PERIODICALS :

	1988-89	1987-88
1. Subscribed.	260	290
2. Donated.	160	156

C. THESIS :

1. Added during.	64	70
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D. BOUND JOURNALS :

Added during.	1150	200
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ACTIVITIES :

1. No. of books & periodicals issued on premises for reference in the library.	43,605	46,880
2. No. of books, periodicals issued for home reading.	4,301	2,095
3. No. of thesis referred on premises in the library.	484	425
4. No. of books/periodicals loaned on interlibrary loan to the other libraries.	510	122
5. No. of books/periodicals borrowed on interlibrary load.	9	10
6. Back issues of periodicals received from other libraries as gratis.	27	Nil
7. Back issues of periodicals donated to other libraries from our duplicate collection.	5	Nil
8. No. of reference used by outsiders.	1,000	800
9. No. of reference queries attended by Library staff/ Librarian.	500	350

The library at the end of the year has 34,000 books 17,879 Bound Volumes of Periodicals, 1,876 thesis and 1765 teaching slides and one audio cassette.

38. 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,
DEANB.Y.L. NAIR CH. HOSPITAL &
T. N. MEDICAL COLLEGE,
BOMBAY - 3.

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 :—

Sr. 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.	—24	12	—	36
	Cataract beds.	6	—	—	6
7.	Paediatric (Including ICU).	—	—	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.		
	1987	1988	1987	1988	
Male.	13380	11467	3234	2930	
Female.	2969	2572	939	928	
Children	Male.	2762	2238	709	
	Female.	1343	1111	386	
Total.		20454	17388	5268	4729

APPENDIX — III.

Statement showing the details of cost per day per in-patient and out-patient :—

Year.	Diet		Drugs Dressing etc.		Store and Linen		Heating Lighting & Repairs.		Establi- shment.		Total.	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Indoor :—												
1988	7.21		26.62		10.36		10.02		115.47		169.68	
1987	7.12		21.26		2.59		9.96		98.91		139.84	
Outpatient :—												
1988	—		4.12		1.61		1.55		17.90		25.18	
1987	—		3.33		1.41		1.56		15.50		20.80	

APPENDIX NO. IV.

Statement showing the Out-patients (New O. P. D., Casualty) in the B. Y. L. Nair Charitable Hospital during the year 1988. 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.	24589	12981	—	—	37570	1094	525	—	—	1619
Surgical.	16811	5158	2012	1117	24898	7734	1472	1551	763	11520
Ophthalmic.	5384	2982	514	343	9203	187	20	29	8	244
Gynaec.	—	5254	—	—	5254	—	15	—	—	15
Skin.	11242	4462	2854	2087	20645	32	1	1	—	34
Accid.	6300	3739	1959	1475	13473	198	41	55	27	321
Orthopaedic.	7827	3913	1009	535	13284	1770	428	392	201	2791
Paediatric.	—	—	8840	6708	15548	—	—	129	81	210
Maternity.	—	4325	—	—	4325	—	—	—	—	—
T. B.	2991	1200	—	—	4191	5	1	—	—	6
Cardiology (Med.)	770	352	95	108	1325	1	—	—	—	1
Gastroenterology.	412	177	9	3	601	1	—	—	—	1
Psychiatric.	2303	1049	133	85	3570	49	9	1	—	59
Rheumatic & Collagen Diseases.	250	342	18	4	614	—	—	—	—	—
Neurosurgery.	434	215	86	47	782	25	6	4	—	35
Neurology.	534	248	71	54	906	1	2	—	—	3
Plastic Surgery.	204	96	78	51	429	283	35	53	25	396
Gastroenterology Surgical Service.	28	2	10	—	40	—	—	—	—	—
Renal Surgery. Genito Urinary Surgical Service.	68	34	6	2	130	1	2	—	—	3
Thyroid (Surgery).	82	151	6	2	221	—	—	—	—	—
Anti Rabies.	1438	344	355	203	2340	80	14	20	5	119
New Born.	—	—	78	383	461	—	—	1	—	1
Special Care. Paediatric Surgery.	—	—	14	10	24	—	—	—	1	1
Diabetes.	137	79	7	1	224	2	1	—	—	3
Haematology.	52	38	9	14	111	1	—	2	—	3
Asthma.	39	26	1	—	66	—	—	—	—	—
Hypertension.	16	8	—	2	24	—	—	—	—	—
Cardiology (Surgical).	227	143	38	29	437	3	—	—	—	3
Endocrinology.	86	119	11	12	228	—	—	—	—	—
Grand Total	82298	47477	18664	13307	161748	11467	2572	2238	1111	17388

APPENDIX NO. V.

Summary of In-patient classified according to department and Sex :—

Department.	Sex.	In the hospital on mid- night of 31-12-87	Admitted during the year.	Total	Discharged Cured	Otherwise	Deaths.	Remaining in the hospital on mid- night of 31-12-88.
Medical.	Male.	87	4572	4659	2357	1687	599	116
	Female.	54	2332	2386	1908	194	245	39
	Total	141	6904	7045	4265	1781	844	155
Surgical.	Male.	100	6365	6485	4196	1957	227	85
	Female.	44	2018	2062	1387	537	101	37
	Male Child.	2	768	770	691	57	15	7
	Female Child.	5	385	390	343	36	10	1
	Total	151	9536	9687	6617	2587	353	130
Ophthalmic.	Male.	8	619	627	471	145	—	11
	Female.	5	345	350	298	32	1	19
	Male Child.	1	53	54	38	16	—	1
	Female Child.	—	35	35	20	14	—	—
	Total	14	1052	1088	827	207	1	31
Gynaec.	Female.	40	1680	1720	1602	95	—	23
Total.	40	1680	1720	1602	95	—	23	
Skin & V. D.	Male.	5	143	148	109	34	—	5
	Female.	3	28	31	21	7	—	3
	Male Child.	1	6	7	7	—	—	—
	Female Child.	—	10	10	10	—	—	—
	Total	9	187	196	147	41	—	8
E. N. T.	Male.	7	934	941	861	70	6	4
	Female.	2	658	680	670	76	5	9
	Male Child.	2	373	375	286	83	—	6
	Female Child.	—	360	360	289	70	—	1
	Total	11	2325	2336	2006	299	11	20
Orthopaedic.	Male.	72	1307	1379	818	467	22	72
	Female.	17	450	467	232	206	12	17
	Male Child.	6	274	280	170	95	1	14
	Female Child.	8	151	159	83	73	—	3
	Total	103	2182	2285	1303	841	35	106
Paediatric.	Male Child.	22	1363	1385	1108	88	169	20
	Female Child.	21	933	954	741	70	120	23
	Total	43	2296	2339	1849	158	289	43
Maternity.	Female.	28	4228	4256	—	4178	2	76
	Total.	28	4228	4256	—	4178	2	76
T. B.	Male.	3	226	229	—	217	5	7
	Female.	2	95	97	—	93	2	2
	Total	5	321	326	—	310	7	9
Cardiology.	Male.	3	336	338	—	315	13	10
	Female.	4	147	151	—	147	2	2
	Male Child.	—	92	92	—	89	2	—
	Female Child.	—	61	61	—	61	—	1
	Total.	7	635	642	—	612	17	13

Department.	Sex.	In the hospital on mid-night of 31-12-87	Admitted during the year.	Total	Discharged Cured.	Discharged Otherwise.	Deaths.	Remaining in the hospital on mid-night of 31-12-88.
Gastroenterology. (Medical).	Male.	11	372	383	—	358	12	13
	Female.	8	159	167	—	159	4	4
	Male Child.	—	11	11	—	11	—	—
	Female Child.	—	5	5	—	4	1	—
	Total.		19	547	566	—	532	17	17
Renal.	Male.	4	93	97	—	87	9	1
	Female.	5	54	59	—	52	4	3
	Male Child.	—	2	2	—	2	—	—
	Total.		9	149	158	—	141	13	4
Cardiac Surgery.	Male.	7	160	167	—	140	15	12
	Female.	8	115	123	—	97	17	9
	Male Child.	4	25	29	—	22	3	4
	Female Child.	—	16	16	—	13	3	—
	Total.		19	316	335	—	272	38	25
Psychiatric.	Male.	29	815	844	38	784	1	21
	Female.	9	404	413	103	294	1	15
	Male Child.	—	8	8	—	8	—	—
	Female Child.	—	4	4	—	4	—	—
	Total.		38	1231	1269	141	1090	2	36
Rheumatic & Collagen Disease.	Male.	1	89	90	—	89	—	1
	Female.	—	68	68	—	68	—	—
	Male Child.	—	8	8	—	8	—	—
	Female Child.	—	5	5	—	5	—	—
	Total.		1	170	171	—	170	—	1
Neurology.	Male.	13	164	177	—	153	11	13
	Female.	6	64	70	—	65	4	1
	Male Child.	1	20	21	—	21	—	—
	Female Child.	—	6	6	—	5	1	—
	Total.		20	254	274	—	244	16	14
Neurosurgery.	Male.	28	253	281	—	227	40	14
	Female.	7	134	141	—	122	10	9
	Male Child.	3	51	54	—	47	5	2
	Female Child.	—	23	23	—	18	2	3
	Total.		38	461	499	—	414	57	28
Thyroid Surgery.	Male.	—	2	2	—	2	—	—
	Female.	—	1	1	—	1	—	—
	Male Child.	—	2	2	—	2	—	—
	Total.		—	5	5	—	5	—
Plastic Surgery.	Male.	9	207	216	—	208	—	8
	Female.	1	54	55	—	54	—	1
	Male Child.	1	82	83	—	83	—	—
	Female Child.	—	65	67	—	67	—	—
	Total.		13	408	421	—	412	—	9
Gastroenterology Surgical Service.	Male.	3	76	79	—	78	—	1
	Female.	—	28	28	—	—	—	—
	Male Child.	—	5	5	—	5	—	—
	Female Child.	—	2	2	—	2	—	—
	Total.		3	111	114	—	113	—	1
Genito Urinary Surgical Service.	Male.	—	222	222	—	217	—	—
	Female.	—	34	34	—	34	—	—
	Male Child.	—	17	17	—	17	—	—
	Female Child.	—	4	4	—	4	—	—
	Total.		—	277	277	—	272	—	5
Diabetes.	Male.	8	135	143	—	131	5	7
	Female.	—	90	90	—	81	2	7
	Male Child.	—	3	3	—	3	—	—
	Female Child.	—	1	1	—	1	—	—
	Total.		8	229	237	—	216	7	14

Department.	Sex.	In the hospital on mid-night of 31-12-87	Admitted during the year.	Total	Discharged Cured.	Discharged Otherwise.	Deaths.	Remaining in the hospital on mid-night of 31-12-88.
Haematology.	Male.	6	126	132	—	108	18	6
	Female.	3	86	89	—	81	5	3
	Male Child.	1	216	217	—	214	3	—
	Female Child.	—	101	101	—	99	2	—
	Total		10	529	539	—	502	28	9
Asthma.	Male.	—	17	17	—	17	—	—
	Female.	—	8	8	—	8	—	—
	Female Child.	—	1	1	—	1	—	—
	Total		—	26	26	—	26	—
Paediatric Surgery.	Male Child.	4	152	156	—	152	2	2
	Female Child.	—	53	53	—	49	3	1
	Total.	4	205	209	—	201	5	3
Hypertension.	Female.	—	1	1	—	1	—	—
	Total.	—	1	1	—	1	—	—
Endocrinology.	Male.	—	1	1	—	1	—	—
	Female.	—	2	2	—	2	—	—
	Total.	—	3	3	—	3	—	—
Grand Total.		734	36268	37002	18757	15723	1742	780

CENTRAL LABORATORY IES.

Investigations carried out in Central Clinical Laboratory (O. P. D. 16) during the year 1988—January to December :—

Routine Investigations :—

Blood count and Hb.	20320	Urine.	12811
Stool.	5876	Occult blood.	256
E. S. R. Test.	6864	Sputum.	271
C. S. F. Routine.	1365	Pleural fluid.	511
Acetic fluid.	428	Blood urea.	2341
Blood sugar.	3419	Throat Swab.	8
Blood M. P.	476	Blood S. Bilirubin.	229
Blood S. Amylase.	106		
		Total	55281

Collection of material (Blood) :—

Blood urea.	3213	Blood Sugar.	5187
Blood P. P. Sugar.	2365	Blood R. A. Test.	293
Blood S. Cholesterol.	881	Blood urine acid.	257
Blood S. Protein.	367	Blood S. Calcium.	249
Blood L. F. T.	520	Blood V. D. R. L.	1682
Blood S. Alk. Phosphatase.	245	Blood S. G. O. T./S. G. P. T.	730
Blood S. Creatinine.	2712	Blood S. Electrolytes.	1896
Blood S. Bilirubin.	386	Blood Widal.	525
Blood S. Lithium.	40	Blood S. Lipid.	19
Blood S. Acid Phosphatase.	9	Blood S. Phosphorus.	249
Blood A. S. O. titer.	44		
		Total	21869

Investigations Department wise

(1) Department of Pathology

Surgical Histopathology Section :

1. Specimen received.	...	...	...	4876
2. From — E. N. T.	...	...	...	435
3. From — Santacruz Hospital.	...	...	...	721
				<hr/>
			Total	6032
				<hr/>
Block prepared.	...	...	...	12450
Slides prepared :—	...	...	...	12450
1. Routine.	...	...	...	1456
2. Special stains.	...	...	...	431
3. Recuts.	...	...	...	1139
4. Serial Recuts.	...	...	...	607
5. Finish the block.	...	...	...	281
6. For Skin Department.	...	...	...	111
7. For Medicine Department.	...	...	...	541
8. For G. E. Department.	...	...	...	960
9. For meeting.	...	...	...	300
10. For Professorial meeting.	...	...	...	50
11. Frozen Section.	...	...	...	400
12. Practical Class.	...	...	...	500
13. Thesis.	...	...	...	600
14. Request from the staff.	...	...	...	200
15. Given to Tata Hospital.	...	...	...	200
				<hr/>
			Total	20026
				<hr/>

CYTOLOGY. 1. Total No. of specimens (samples) received for cytological examinations.				2085
2. Fine needle aspiration cytology (Lymph node Breast, Misc.)	...	...	...	1180
3. Thyroid aspirations.	...	...	...	257
4. Lung aspirations — fluroscopy guided.	...	...	...	32
5. Routine cytology specimens received as follows :				
Pleural fluid.	...	...	...	150
Ascitic fluid.	...	...	...	123
Urine.	...	...	...	51
Sputum.	...	...	...	100
Bronchial.	...	...	...	136
C. S. F.	...	...	...	17
Miscellaneous.	...	...	...	39
				<hr/>
			Total	616
				<hr/>

HAEMATOLOGY SECTION.

Investigations done in Haematology Section during year 1988 :—

Complete Haemograms.	5960	Hb. B. T., C. T.	2217
Platelet counts.	844	Retic count.	1261
Malarial Parasite slides	1468	Bone marrow slides.	94
L. E. Cell pheromeron.	70	Sickle cell pheromeron.	20
E. S. R.	100	Hb. P. C. V.	3679
			<hr/>
		Total	16213
			<hr/>

P. M. HISTOPATHOLOGY SECTION.

Investigations carried out in the Post Mortem Histopathology during the year 1988 January to December :—

Total No. of autopsies.	...	...	...	864
Total No. of blocks prepared.	...	...	...	9064
Total No. of blocks out.	...	...	...	9064
Total No. of routine slides stained.	...	...	...	9064

Record of the different type of slides :—

1. Special staining slides.	...	...	...	4830
2. Slides for practical class.	...	...	...	140
3. Duplicate slides.	...	...	...	1255
4. Slides prepared for Post graduate students.	...	...	...	1055
5. Cytology staining.	...	...	...	855

CHEMICAL PATHOLOGY.

Total No. of investigations carried out in Chemical Pathology during the year 1988—January to December :—

Blood Sugar.	34637	G. T. C.	4
Blood Urea.	25585	Creatinine.	26437
Creatinine clearance.	6	Uric acid.	2047
Fibrinogen.	314	Total Protein.	9366
Total Albumin.	9366	Total Globulin.	9366
Alk. Phosphatase.	7794	Vanden Bergh.	5745
I. index.	5745	Bilirubin Total.	4127
Bilirubin Direct.	4099	S. G. O. T.	9935
S. G. P. T.	9935	P. T. P. I.	2903
Inog. Phosph.	2060	Acid Phosphatase.	174
Serum Amylase	1052	Serum Cholesterol	4547
C. S. F. sugar	1865	C. S. F. Chloride.	1865
Urobilinogen (Urine)	15	Porpholinogen (Urine)	24
Total Lipid	148	Triglyceride	148
Phospho Lipid	148	Serum L. D. H.	498
Serum Na	24007	Serum K	24007
Serum Cl.	24007	Serum Ca	3175
Urine Protein	101	Urine Creatinine	7
Urine Na	354	Urine K	354
Urine Cl	354	Sweat Cl	4
V. M. A.	8	B. J. Protein	5
Spectroscopy	5	Lithium	208
Urine Ca	34	Urine Phosphate	32
Serum Copper	33	Serum Ceruloplasmin	33

Total No. of investigations done in Emergency Laboratory during the year 1988 (from January to December 1988 :—

Blood gases.	102675	Hemoglobin.	10800
Packed cell volume.	10647	Serum sodium.	12498
Serum potassium	12498	Serum Chloride.	335
Blood Sugar.	922	Blood Urea Nitrogen.	639
Serum Amylase.	203	Smear.	419
Culture.	124	Antibiotic sensitivity.	39
Erythrocyte sedimentation rate.	374	Total count.	398
Differential count.	396	Prothrombin time/	
		Prothrombin Index.	17

Total 152984

(2) Department of Microbiology :

Bacteriology Section :—

Total No. of investigations carried out during the year 1988 :—

Clot culture	1955	Blood culture.	797
Urine	6879	Sputum AFB	3466
Sputum Culture.	1999	Pus & Aspiration	1719
C. S. F.	2079	Ascitic Fluid	254
Pleural Fluid	372	Pericardial Fluid	12
Peritoneal Fluid.	47	Bronchial Aspiration	110
Liver Aspiration	18	Knee Aspiration	7
Hydrocele Fluid.	4	Synovial Fluid.	10
Dyliaasis Fluid.	37	Umbilical Swab.	2
Throat Swab.	162	Nasal Swab.	7
Ear Swab.	64	Conjunctival Swab.	63
Corneal Swab.	16	Brain Swab.	3
Ulcer Swab.	1	Vaginal Swab.	59
Cervical Swab.	40	Urethral Swab.	19
Semen.	526	Tracheal Swab.	252
Endometrium.	97	Bile.	67
Stool.	251	Tissue.	8
Eye Swab.	300	Gastric Aspiration.	48
Lymphnode.	5	C. V. P. & Catheter Tip.	69
Valve.	4	Anaerobic Culture.	1278
Tuberculosis Culture.	1219	Sensitivity Test.	5203
Post mortem blood culture.	12	Post mortem Miscellaneous.	20
O. T. Sterility.	344	Skin Swab.	22
		Total	29628
		Mycology Total +	704
		Grand Total	30332

Mycology Section :—

Pus & Aspiration.	73	Vaginal & Cervical Swab.	56
Urine.	202	Stool.	10
CVP & Catheter tip.	69	C. S. F.	47
Corned & conjunctive swab.	20	Eye Swab.	191
Blood Culture.	6	Nasal Swab.	3
Sputum.	23	Throat Swab.	4
		Total	704

Serology Section :—

Total No. of investigations carried out in Serology Section during the year 1988 :—

Blood V. D. R. L.	8134	C. S. F. V. D. R.L.	557
Blood Widal.	1964	Paul Bunnel.	20
R. A. Test.	374	A. S. O. Titre.	16
		Total	11065

Total No. of investigations carried out in Food Handler's Scheme during the year 1988 :—

Blood Widal.	1504	Blood V. D. R. L.	1504
		Total	3008
		Grand Total	14073

(3) Department of Pharmacology.

Investigations carried out in Radioisotope Unit from 1-1-1988 to 31-12-1988 :—

I. SCANS :

Bone Scan.	158	Brain Scan.	175
Hepatobiliary & Spleen Scan.	568	Renal Studies.	180
Thyroid	467	Cardiac Studies.	125

II. Radio-Immunoassays :—

Assay of :

Tri-iodothyromine (T3)	955	Thyroxine (T4)	955
Thyrotropin (TSH)	410	Miscellaneous Assays.	20

Semen Analysis Laboratory :—

New Cases	...	415	
Total No. of Semen Analysis.	...	603	

(4) Blood Bank

1. Blood Collection : Total		9472	
Vol. Indoor	6561	Replacement.	1681
Outdoor.			
Bottles brought from other Hospital	1230	No. of outdoor session.	104

2. Blood Utilisation :

Transfusions given to Nair Hosp. (including Nursing Homes).	...	8736
No. of blood bottles used for Nair Hospital patients.	...	6726
No. of blood bottles given to other hospitals.	...	2010
No. of blood bottles sent for plasma to Haffkine.	...	466
No. of blood bottles discarded.	...	206

3. Blood components prepared :—

Packed Cells.	1103	Saline washed pack ceels.	—
Pooled Plasma.	1744	Plateletes.	3
Buffy Coat.	—	Fresh Frozen Plasma.	53
Cryoprecipitates.	3	Pheresis packs.	13

4. Pretransfusion tests done in donor samples :

Grouping.	...	9472
Antibody Screening Total No. tested.	...	9472
Irregular antibodies detected.	...	46
Hepatitis Screening Total Tested.	...	8242
HBs Ag positive.	...	160
HBs Ag negative.	...	8082
V. D. R. L. Screening — Total	...	8242
— Positive.	...	19
— Negative.	...	8223
Low Titre Screening done (Arch).	...	864
High Titre found.	...	—

5. Pretransfusion tests done in patients :—

Routine Grouping.	...	502
Grouping with cross matching.	...	4479
Antibody detection.	...	4479
Irregular antibodies detected.	...	25
Compatibility tests done.	...	12882

6. Hepatitis Screening in patients :—

Undergoing cardiac surgery & Multiple transfusions.	...	26 (4)
HBs Ag of tests referred from AKD & other patients.	...	97 (21)

7. Antenatal Serology :—

Grouping.	3233	Antibody detection.	56
Cord blood grouping.	3058	M. T. P. Grouping.	550

8. Miscellaneous Investigations :—

Coomb's tests (Direct).	...	138 (19)
Indirect Coomb's tests.	...	1815 (18)

9. Preparation of reagents :—

Copper Sulphate.	...	...	65 Lts.
Papain Cystein.	...	...	2500 ml.
Normal Saline.	...	...	—

5. Haematology Department.

Complete Hemogram	5006	Haemoglobin	5006
R. B. C.	5006	Blood P. C. V.	5006
M. C. V.	5006	M. C. H. C.	5006
MCH.	5006	W. B. C. (Total)	5006
W. B. C. (Diff.)	4406	Periparal Smear	4406
Blood reticulocytes	1321	Platelet count	1122
E. S. R.	1184	LE cell.	8
Serum Iron	492	Total Iron Binding Capacity	492
T. S.	492	Serum Ferritin	600
Serum Vit. B ¹² —Not being done.	—	Serum Folate.— Not being done.	—
Foetal Hemoglobin	129	Foetal Red Cell Staining	—
Fregility	16	Hb Electrophoresis	258
Cellugel on computerised			
Densitometer	258	Sickle Cell test	258
Immunoglobulin	108	Bleeding Time	84
Clotting Time.	168	Clot Retraction	168
Prothrombin Time	400	Deficiency of Factor	
		II, V, VII & X.	—
Prothrombin Consumption test	—	Thromboplastin Generation Test	20
Factor VIII Assay	—	Factor IX Assay	—
Thrombin Time	172	Euglobulin clot lysis time	—
Plasma Recalcification time	—	Partial Thromboplastin time with Kaolin	324
Fibrinogen Degradation Product	112	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	112
Platelet Factor availability	—	Platelet factor IV	—
Gutathion (GSH) (Concentration &		Glucose-6 Phosphate Dehydro-	
Stability Test)	—	genase by dye Decolourisation	
6-Phosphogluconic		test (Screening test.)	26
Dehydrogenase assay	—	Pyruvate Kinase Assay	—
Bone Marrow Iron staining.	482	Paroxidase Staining.	20
Bone Marrow.	482	Puelgen Staining	—
Heins body test	—	Unstable Haemoglobin	4
Urine Urobilinogen	6	Hb Spectroscopy	3
Methalmoglobin Test	—	Sucrose Lysis	28
P. N. H.	18	Coomb's test	14

6. Forensic Medicine Department

Investigations carried out in the year 1988 (January 1988 to December 1988) in Forensic		
Total No. of Medico-legal autopsies	—	324
Post mortem blocks prepared and cut	—	1405
Post mortem routine slides prepared	—	1405

Record of the slides prepared :—

Routine staining slides	—	1405
M. L. Exm. (Clinical).	—	2 cases

APPENDIX NO. : VII.

RADIOLOGY DEPARTMENT.

Sr. No.	Investigations carried out.	Total No. of patients.
I. RESPIRATORY SYSTEM :		
1.	Bronchogram.	43
II. CARDIO—VASCULAR SYSTEM :		
1.	Aortogram.	20
2.	Carotid Angiogram.	155
3.	Renal Angiogram.	25
4.	Femoral Angiogram.	37
5.	Translumbar Angiogram.	2
6.	Venogram.	52
7.	Selective Angiogram.	17
8.	Embolization.	1
III. GASTRO—INTESTINAL SYSTEM :		
1.	Sialogram.	16
2.	Barium Swallow.	136
3.	Barium Meal.	1088
4.	Barium Enema.	268
5.	Dacryouptography.	11
6.	Oral Cholecystogram.	85
7.	I. V. Cholangiogram.	3
8.	T. Tube Cholangiogram.	24
9.	Splenogram.	26
10.	P. T. C.	24
11.	P. T. D.	7
12.	Cologram.	7
13.	Hypotonic deod.	1
14.	F. N. A. C.	14
15.	Palatography.	4
16.	Mamography.	1
IV. GENETIC URINARY SYSTEM :		
1.	I. V. P.	775
2.	Ascending Pyelography.	41
3.	Ascending Urethrogram.	106
4.	Mict. Cystogram.	144
5.	Nephrostomy.	2
V. C. N. S.		
1.	Myelography.	118
VI. OBSTETRICS & GYNAEC :		
1.	Hystero-salpingogram.	44
VII. MISCELLANEOUS :		
1.	Fistulogram.	13
2.	Sinusogram.	17
3.	Cavitogram.	5
4.	Tubogram.	18
5.	Tomogram.	50
VIII		
1.	E. R. C. P.	61
2.	Ultrasonography.	4223
Total No. of patients X-rayed during the year 1988.		80124
Total No. of X-ray plates used during the year 1988		145469

Investigations carried out for Orthopaedic work at Kasturba Hospital during the year 1988 is given below :—

1. Total No. of patients X-rayed during the year 1988 : 5081
 2. Total No. of X-ray plates used during the year 1988 11010
 3. Total investigations (Procedure) done during the year 1988.
1. S. P. Pin ... 142

APPENDIX No. : VIII.

List of Research Work

Doctor	Subject
DEPARTMENT OF BIOCHEMISTRY	
Smt. P. R. Chavan in collaboration with Dr. (Mrs.) S. A. Desai of Pharmacology Dept. and Dr. (Mrs.) H. S. Dhawle of Psychiatry Dept.—	Endocrinological studies in Affective Disorders— Sponsored by "Nair Hospital Golden Jubilee Research Foundation."
Dr. (Mrs.) A. V. Nerurkar in collaboration with the Dept. of Medicine	Circulating Immune complexes in Seronegative Arthritis.
DEPARTMENT OF DERMATOLOGY & VENEREOLOGY.	
Gonococcal cultures, Auxotyping & Antibiotic Sensitivity.	
Fungal Cultures.	
Cutaneous manifestations of D. H.	
Cutaneous manifestations of S. L. E.	
Erythroderma.	
Mucocutaneous skin disease.	
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 long term complications like retinopathy and nephropthy in diabetics.	
Skin Disorders in Diabetes Mellitus.	
'A' study of oral lymphocyte migration in Diabetes.	
Study of peripheral neuropathies in Diabetes Mellitus.	
Evaluation of stunted growth	
Pituitary tumours clinical and hormonal study correlation.	
Clinical hormonal and therapeutic correlation of hypogonadisms.	
Correlation of Basal body temp., clomiphene therapy and AIH/D on fertility outcome.	
Effecto of Guglip on lowering of cholesterol.	
Timespared evaluation of thyroid nodules.	
Clinical profile and FNAC guided study of autoimmune thyroid disorders.	
Timespared study of postoperative hypothyroidism in goiterous patients objected to surgery.	
Radioiodine treatment and its effects in hot nodules with suppression of rest of the gland in older patients.	
PREVENTIVE & SOCIAL MEDICINE DEPARTMENT.	
Cluster testing method for perinatal and infant mortality at Deonar Community —(A Community Study).	
Impact of EPI Programme on morbidity and mortality due to EPI disease in a City of Bombay (Retrospective study).	
Iron status during pregnancy (Retrospective study).	

Dr. R. Y. Aras.
Dr. G. D. Vellal.
Dr. V. A. Naik.
Dr. N. P. Pai.

Dr. D. D. Pandit.
Mr. S. G. Jain.
Dr. N. P. Pai

Dr. R. Y. Aras.
Dr. A. Valiga.
Mr. Naimuddin.
Dr. N. P. Pai

Doctor	Subject	Particulars where published.
Dr. G. D. Vellal. Dr. R. Y. Aras. Dr. A. Baliga. Dr. N. P. Pai	Measles survey by retrospective diagnosis on adhoc enquiry.	
Dr. D. D. Pandit Dr. N. P. Pai Mr. S. G. Jain Dr. Rekha Udani.	Morbidity and mortality pattern in children below 5 years of age (A hospital study).	
Dr. R. Y. Aras. Dr. N. P. Pai. Dr. Anuja Purandare.	Perinatal mortality profile in a teaching general hospital (4 years hospital study).	
Dr. D. D. Pandit. Dr. Chawathe. Dr. N. P. Pai.	Study of Woman's Health & Development (A community study).	
Dr. P. Subramanian.	Spiritual factor and Yoga for wholeness of health.	
Dr. Pai. Dr. Naik. Mr. Jain.	'Profile of Cancer in Women' — in a teaching hospital — A retrospective study.	
PHYSIOTHERAPY DEPARTMENT		
	Sensory nerve conditions studies of medial and lateral planter in the diabolic alcoholic and Rheumotoid Authratis.	
	Study of haemodynamic parameters during are versus leg Strees testing & pulmonery function test.	
DEPARTMENT OF MEDICINE.		
Dr. (Mrs.) D. V. Deshpande.	FDP levels in patients with viral hepatitis.	
	NBT staining of WBC as prognostic marker of viral hepatitis.	
	FNAC of lung lesions in diagnosis of pulmonary tuberculosis.	
DEPARTMENT OF PHYSIOLOGY.		
Dr. (Smt.) V. G. Parulkar.	Guidance for following research work being carried out in the department.	
Dr. (Smt.) A. Malathi	Effect of various physiological parameter on Reaction Time.	
	Reaction Time studies in healthy and diabetic smokers & non smokers.	
	"Reaction Time and G. S. R. studies in Schizophrenics—a collaborative study with the department of Psychiatry.	
	Study of hematologic parameters in diabetic & non diabetic smokers & non smokers.	
	Reacting Time & G. S. R. studies in asthmatic patients.	
	Collaborative study with the Department of Medicine.	
DEPARTMENT OF GENERAL SURGERY:		
Dr. S. T. Chaudhry.	Sclerotherapy for Hydrococles.	
	Review of International Urothroctomies 10 years.	
	Study of G. U. Koches.	
	Non operative treatment of Varicocoeles.	
	Finished project — use of Alfapsin in Urinary Tract Operation.	
Dr. A. E. Mody.	Vagotomy with pyloric canal dilation in the surgical management of duodenal ulcer.	
	Banding of piles as compared with haemorrhoidectomy.	
	Oesophago Gastro Duodenoscoy as a art of G.E.S.S.	
	A study assessing the Role of Propylactic Antibiotics, in clean, planned surgery.	
Dr. M. V. Pai.	Role of vagotomy & Marginal Antecolic Gastrojejunostomy in treatment of the peptic ulcer disease.	
	Role of Myer's Hernioplasty in the treatment. Inguinal hernia.	

Doctor.	Subject.	Particulars where published.
Dr. H. G. Buch.	Studies on peripheral vascular diseases & venous disorders (varicose veins & deep vein thrombosis) using non-invasive diagnostic technique of 'Doppler Ultrasound Flowmetry'. The unit has been undertaking reconstructive & bypass arterial surgery.	

DEPARTMENT OF PATHOLOGY.

Fluoroscopy guided FNAC of lung lesions.
N. B. T. study in cases of viral hepatitis.

DEPARTMENT OF ANATOMY.

Dr. (Mrs.) V. Y. Kher. I. Foetal lung Histology.

APPENDIX NO. : IX.

List of Publication and papers read :—

DEPARTMENT OF ANATOMY.

Dr. (Mrs.) M. V. Ambige. Attended the Workshop on Effective use of learning resources in teaching of Anatomical Sciences held at AIIMS, New Delhi on 5th, 6th & 7th December 1988.

DEPARTMENT OF ANAESTHESIA.

Dr. V. M. Divekar.	Evolution of anaesthesia in India.	9th World Congress of Anaesthesiologists Washington D. C. May 1988.
	Serum cholinesterase in Infective Hepatitis.	9th World Congress of Anaesthesiologists Washington D. C. May 1988.
	Post operative Intensive Care and assist devices in Cardiac Surgery.	1st Annual National Conference on Cardiac Anaesthesia and clinical Pharmacology October 1988 — Pune. Symposium on monitoring Advances in Anaesthesiology November 1988. P. G. I. Chandigarh.
	Anaesthetists Environment.	Annual Presidential Oration. Indian Society of Anaesthetists — Udaipur, December 1988 XXXIX Conference I. S. A.
	Newer I. V. Agents C. M. E.	At XXXIX Annual Conference of Indian Society of Anaesthetists at Udaipur 26th December. Symposium on muscle relaxants Vecuronium for Intubation — Udaipur, December 1988. Symposium on Pain, Udaipur, December 1988.
	Sympathetic blocks.	Symposium on Pain, Udaipur, December 1988.
Dr. V. M. Divekar.	Newer Anaesthetic drugs.	Panel Discussion, Udaipur, Dec. 1988.
	Tempromandibular joint Ankylosis & Anaesthetist.	Annual Oral Surgeons Conference Dec. 1988 — Taj Hotel — Bombay.
	Inhalation Agents.	Symposium — Hyderabad Commission centenary celebrations — February 1988.
Dr. I. D. Panchal.	Caudal block in post operative pain.	9th World Congress in Anaesthesiology Washington, D. C. May 1988.
Dr. V. H. Bhagatwala.	Air-Ether Anaesthesia.	9th World Congress of Anaesthesiologists, Washington D. C. — May 1988.
Dr. V. M. Divekar.		Official delegate of the Indian Society of Anaesthetists at the World Congress at Washington D. C, May 1988.

Doctor.	Subject.	Particulars where published.
Dr. V. M. Divekar. Dr. R. J. Samtani.	Anaesthesia in Temporomandibular Ankylosis (A review of 70 cases).	Indian Journal Anaesthesia, 35 No. 5, 364-368, 1988.
Dr. V. M. Divekar. Dr. M. V. Gosavi. Dr. V. M. Bhagatwala. Dr. R. J. Samtani.	The Riken Gas indicator. Ketamine Hydrochloride in Paediatric dentistry.	Indian Journal Anaesthesia, 35, 96-102, 1988. Indian Society Paed Preventive Dentistry 70, 12-22, 1988.
AUDIOLOGY & SPEECH THERAPY SCHOOL.		
M.B. Doshi. M. M. Sanghi.	Results of a Questionnaire study of 59 Laryngectomees in Tokyo regarding their rehabilitation programme.	XXth Annual Conference of Indian Speech and Hearing Association, Bombay, February 1988.
Ms. G. Hattiangadi.	Conversational Analysis in Aphasia.	XXth Annual Conference of Indian Speech and Hearing Association, Bombay, February 1988.
R. K. Jagadeesh.	A Unique Strategy for the assessment of hearing sensitivity by B. S. E. R. audiometry.	XXth Annual Conference of Indian Speech and Hearing Association, Bombay, February 1988.
R. K. Jagadeesh G. B. Gore.	Clinical masking of Non-Test Ear for determination of Absolute Thresholds for Pure Tone.	XXth Annual Conference of Indian Speech and Hearing Association, Bombay, February 1988.
R. K. Jagadeesh. G. B. Gore.	A few problems and solutions in ABR testing of neonates and infants.	XXth Annual Conference of Indian Speech and Hearing Association, Bombay, February 1988.
R. K. Jagadeesh. M. M. Sanghi.	Our experience with Brain Stem Evoked Response Audiometry in "difficult to test children with special reference to its validity".	XXth Annual Conference of Indian Speech and Hearing Association, Bombay, February 1988.
S. O. Kapur.	Patterns of Adjustment and Anxiety in Stuttering.	XXth Annual Conference of Indian Speech and Hearing Association, Bombay, February 1988.
M. M. Sanghi. V. V. Keer. A. N. Sangekar.	Hearing Aid — An End in itself? Infantile Autism.	XXth Annual Conference of Indian Speech and Hearing Association, Bombay, February 1988. 46th Annual Convention of the International Council of Psychologists, Singapore, August, 1988.
Mrs. S. O. Kapur.	Speech Handicaped Children.	Book — Psychology of Exceptional Children prescribed by S. N. D. T. University for Psychology Students — 1988.
R. Vaidyanathan.	Development of forms and function of Interrogatives in children.	A longitudinal study Journal of Child Language Vol. 85 533-549.
R. Vaidyanathan.	First Words 2001. Development of Negatives and Interrogatives in children: A three stage explanation:	Science Today. Interdisciplinary National Seminar on Language Processes and Language Disorders, Osmania University.
R Vaidyanathan.	Language development scale for Preschool Children — A Pragmatic Approach.	(13-14) presented at the Interdisciplinary National Seminar on Language processes and language disorder at Hyderabad.
G. B. Gore.	Autism Descriptive cases.	NIMHANS Journal Vol. 7 No. 1, January 1989, 77-81.
S. O. Kapur.	Infantile Autism case studies.	NIMHANS Journal Vol. 7 No. 1, January 1989, 87-90.
DEPARTMENT OF CARDIOLOGY.		
Dr. S. Sharma. Dr. Mashru M. R. Dr. Thawani A. J.	Cross sectional echocardiographic recognition of nonischemic left ventricular aneurysm.	J. Cardiovasc. ultrasonography 7, 345-351-1988.
Dr. Y. S. Loya. Dr. S. Sharma. Dr. D. N. Amarapurkar. Dr. H. G. Desai.	Complete membranous obstruction of inferior vena cava: a case treated by balloon dilatation.	Cath. and Cardiovasc. Diagnosis (in press).

Doctor	Subject	Particulars where published.
Dr. R. C. Hansoti. Dr. S. Sharma.	Cirrhosis of the liver simulating cirrhosis of liver. chest.	(In press).
Dr. M. R. Mashru. Dr. Y. S. Loya. Dr. S. Sharma.	Percutaneous balloon valvuloplasty for pulmonary valve stenosis using single or double balloon technique.	J. Asso. Phys. India 36, 546-550 : 1988.
Dr. S. Sharma. Dr. S. Sharma. Dr. B. Balaney. Dr. J. V. Mandke.	Coronary artery spasm. Cardiac tumour as a presentation of mucoepidermoid bronchogenic carcinoma.	Physician India, 4, 232-240 : 1988. J. Asso. Phys. India (In press).
Dr. Y. S. Loya. Dr. S. Sharma.	Balloon mitral valvotomy. — A new technique.	J. Asso. Phys. India (In press.)
Dr. S. Sharma. Dr. M. R. Mashru. Dr. Y. S. Loya.	Percutaneous balloon valvuloplasty (PBV) for valvar aortic stenosis.	XXXXII Annual Conference of Association of Physicians of India (API), Pune, 1988. (Abstracts) J. Asso. Phys. India 36, 68 : 1988.
Dr. M. R. Mashru. Dr. Y. S. Loya. Dr. U. J. Shah. Dr. A. G. Desai.	Percutaneous balloon valvuloplasty (PBV) for pulmonary valve stenosis (PVS) using single or double balloon technique.	XXXXII Annual Conference of Physicians of India (API), Pune, 1988. (Abstracts) J. Asso. Phys. India, 36, 68-69 : 1988.
Dr. S. Sharma. Single or double balloon technique	XXXXII Annual Conference of Association for dilatation of valvular or vessel stenosis in congenital and acquired disease.	of Physicians of India (API), Pune, 1988 (Abstract) J. Asso. Phys. India 36, 69 : 1988.
Dr. M. R. Mashru. Dr. D. P. Turakhia. Dr. Y. S. Loya.		
Dr. S. Sharma. Dr. Y. S. Loya. Dr. B. V. Daxini.	Balloon valvotomy (BV) in mitral stenosis : Initial experience with double balloon technique.	Joint Annual Conference of CSI and TSI, New Delhi, 1988. (Abstracts) Indian Heart J. 40, 352 : 1988.
Dr. S. Sharma. Dr. Y. S. Loya. Dr. B. V. Daxini.	Balloon valvotomy in multivalvar rheumatic heart disease (RHD).	Joint Annual Conference of CSI and TSI, New Delhi, 1988. (Abstracts) Indian Heart J. 40 : 327 : 1988.
Dr. Y. S. Loya, Dr. A. G. Desai. Dr. B. V. Daxini. Dr. S. Sharma.	Mechanism and results of double balloon mitral valvotomy : Echocardiographic and colour doppler observations.	Joint Annual Conference of CSI and TSI, New Delhi, 1988. (Abstracts) Indian Heart J. 40, 291 : 1988.
Dr. S. Usha. Dr. C. V. Shah. Dr. Daxini. Dr. D. P. Turakhia. Dr. K. D. Shah. Dr. S. Sharma.	Coronary angiography in young myocardial infarcts.	Annual Conference of CSI, New Delhi, 1988. (Abstracts) Indian Heart J. 40, 285-286, 1988.
Dr. J. N. Karbhase. Dr. S. Sharma. Dr. J. M. Desai. Dr. R. B. Patil. Dr. S. M. Doshi.	Rare tuberculous affection of heart.	Annual Conference of CSI and TSI, New Delhi, 1988. (Abstracts) Indian Heart J. 40, 430 : 1988.
Dr. C. V. Shah. Dr. G. S. Bhat. Dr. B. V. Daxini. Dr. S. Sharma. Dr. K. D. Shah.	New dimension in thrombolytic therapy in AMI : Do patients who receive thrombolytic therapy have severe disease.	Annual Conference of CSI and TSI, New Delhi, 1988. (Abstract) Indian Heart J. 40, 396 : 1988.

Doctor.	Subject.	Particulars where published.
Dr. K. D. Shah.	Basics of Ultrasound. The Bernoulli Equation.	IJMU 5 : 15, 1988.
	Colour and continuous wave doppler echocardiography in rheumatic valvular disease.	IPed. 25 : 1, 1988.
	Colour doppler echocardiography in congenital heart disease.	IPed. 25 : 119, 1988.
	Basics of clinical Doppler Echocardiography and colour flow mapping.	IJMU 5 : 48, 1988.
	Hypertension in the young.	Hypertension 2 : 49, 1988.
	Ultrasound in Cerebral and peripheral vascular disease.	IJMU 5 : 54, 1988.
	Esophageal Echocardiography Clearer look from behind.	IJMU 5, 56, 1988.
	Colour doppler echocardiography in Cor-Triatriatum.	IJMU 5 : 59, 1988.
	Coronary angiography in young myocardial infarcts.	IHJ 40 : 285, 1988.
	New dimension in thrombolytic therapy in AMI: Do patients who receive thrombolytic therapy have more severe disease.	IHJ 40 : 396, 1988.
	Echocardiography and doper.	JGM 1:3, 1988.
	WPW syndrome with myocardial infarction.	JAPI 36 : 724, 1988.
	Dr. C.V. Shah.	Pitfalls in measurement in echocardiography.	Editorial — Indian Journal of Medical Ultrasound Vol. 5.7, 1988.
	Juvenile Mitral Regurgitation.	Indian Journal of Medical Ultrasound Vol. 5.7, 1988.
Dr. S. Usha.	Coronary angiography in young myocardial infarcts.	Abstract 3 Indian Heart Journal 40.5, 1988.
Dr. C. V. Shah.		
Dr. C. V. Shah.	New dimension In thrombolytic therapy in AMI, Do patients who receive thrombolytic therapy have more severe disease.	Abstract — 299. Indian Heart Journal, 40-5, 1988.
E. N. T. DEPARTMENT.		
Dr. D. S. Grewal.	Round Window Reflex.	41st Annual Conference of Association of Otolaryngology of India at Mysore from 4th January to 7th January 1989.
Dr. J. P. Dabholkar.	Palatal Metastasis in Thyroid Malignancies.	41st Annual Conference of Association of Otolaryngology of India at Mysore from 4th January to 7th January 1989.
Dr. V. S. Jadhav.	Ear Bleeding as initial presentation of Internal Carotid Artery Aneurysm.	41st Annual Conference of Association of Otolaryngology of India at Mysore from 4th January to 7th January 1989.
Dr. D. S. Grewal.	Round Window Reflex & oval window fistulae.	Accepted in Journal of Otolaryngology.
Dr. V. S. Jadhav.	Ear bleeding as Initial presentation of Internal Carotid Aneurysm.	Post graduate Journal of Medicine.
Dr. V. S. Jadhav. (Second Author)	Acute Osteomyelitis of Maxilla.	Indian Journal of Paediatrics.
Dr. B. Baser.	Bipedal Myocutaneous Flap for one stage cheek reconstruction after Cancer Surgery.	J. L. O. in July 1988.
Dr. K. A. Pradhan.		
Dr. B. Baser.	Delayed Dysphasia after Primary Voice Restoration.	Archives of Otolaryngology, in July 1988.
Dr. (Mrs.) J. P. Dabholkar.	Malignant Fibrous Histiocytoma of Maxillary Sinus & Nasopharyngeal Region.	Indian Journal of Otolaryngology, June 1988.

GENERAL SURGERY DEPARTMENT.

Doctor.	Subject.	Particulars where published.
Dr. S. T. Chaudhry.	Seminar on male infertility. Camp on Male infertility.	K. E. M. Hospital, February 1988. Bhavnagar Chapter ASI, December 1988. Attended 17th National Teachers Training Course PGI Chandigarh September 1988. Attended Update in Paediatric Urology, K. E. M. Hospital, December 1988.
Dr. P. M. Javeri.		Vice President of a Conference of International College of Surgeons held in Pondicherry in 1988. Attended International Seminar for update in Paediatric Surgery held at K. E. M. Hospital, in December 1988.
Dr. A. B. Mathure. Dr. D. J. Mohla.		Attended International Seminar for update in Paediatric Surgery at K. E. M. Hospital in December 1988.
Dr. H.G. Buch.		Attended the National Conference of the Assoc. of Surgeons of India 1988 at New Delhi.
Dr. S. T. Chaudhary.	Clinical management of Male Infertility continuing Urological Education. Management of Male Infertility. High Risk Uro-Surgery.	Urological Society of India at J. J. Hospital February 1988. Guest Lecturer, Aurangabad Surgical Society, August 1988. Guest Lecture Aurangabad Surgical Society, November 1988.

DEPARTMENT OF HAEMATOLOGY.

Dr. S. K. Bichile.	Therapy of anaemia. Contraversies in Medicine on the subject of "Parenteral Iron therapy has a role in treatment of iron deficiency anaemia". Advances in treatment of Aplastic Anaemia.	Invited to talk in CML programme of Annual Conference of Association of Physician of India held at Armed Force Medical College, Pune on January 1988. Invited to talk at Armed force Medical College, Pune on January 1988. Delivered talk at Tata Memorial Hospital, Bombay during Annual Conference of Bombay Haematology Group.
Dr. S. K. Bichile.	Splenectomy in thalassaemia and haemoglobinopathies. Advances in management of thaeomophilia.	Delivered lecture during 5th Annual Conference of thalassaemia and sickle cell society of Bombay on 4th November 1988. Invited to talk at update in Haematology at LTMG Hospital, Sion on 5th November 1988.
Dr. Mukesh M. Desai.	Kala azar a study of 41 cases.	At Annual Conference of Indian Society of Haematology and Blood Transfusion at Baroda.
Dr. P. Gidwani.	Antihospholipid antibody — a case report.	At Annual Conference of Indian Society of Haematology and Blood Transfusion at Baroda.
Dr. Manisha Chandalia.	Following MCV.	At Annual Conference of Indian Society of Haematology and Blood Transfusion at Baroda.
Dr. Shakil Modak	A profile of MDS at Nair	At Annual Conference of Indian Society of Haematology and Blood Transfusion at Baroda.
Dr. Swati Pradhan.	Fanconis anaemia.	At Annual Conference of Indian Society of Haematology and Blood Transfusion at Baroda.
Dr. N. B. Mehta.	Detection of Anaemia and Iron stores in school girls.	At Annual Conference of Indian Society of Haematology and Blood Transfusion at Baroda.

Doctor.	Subject.	Particulars where published.
Dr. S. K. Bichile.		Invited to chair session 'Session at Annual Conference of Indian Society of Haematology and Blood transfusion at Baroda.
	Dyskeratosis congenita — A rare case of Aplastic anaemia.	Indian society of Haematology and Blood Transfusion, 1988 : 6 : 209.
Dr. A. J. Desai.		Invited to chair a session on "Dr. J. G. Parekh Oration" at XII Annual Conference of Bombay Haematology Group, February 1988.
	Detection of Anaemia and Iron stores in School girls.	Participated the XXII Congress of International Society of Haematology at Milan Italy in August 1988. Scientific paper.
	Detection of Anaemia and Iron stores in school girls.	Participate at the symposium on 'The Spleen, Function and clinical aspects' at Bombay Haematology Group Annual Conference in February 1988. At Indian Society of Haematology and Blood transfusion at Baroda in Dec. 1988.
Dr. (Miss) N. B. Mehta.	Iron deficiency in School girls & Iron overload in Thalassemia.	Invited to chair a scientific session at Annual Conference of Indian Society of Haematology and Blood transfusion at Baroda, Dec. 1988. At International Conference XXII Congress International Society of Haematology held at Milan, Italy in August, 1988.
	Iron stores in B Thalassemia.	at Indian Society of Haematology and Blood Transfusion at Baroda.
	Ferritin values in Thalassemia Major.	At Annual Conference of Bombay Haematology Group.
	Serum Ferritin estimation in Thalassemia.	At Monthly meeting of Bombay Haematology Group in April 1988. Selected as Secretary of "Association of Clinical Biochemist of India, Bombay Chapter for the year 1988-89.
DEPARTMENT OF MEDICINE.		
Dr. V. R. Joshi. (In the capacity of Co-author).	Clinical profile of S. L. E. in Western India.	Journal of Association of Physicians of India, August 1988.
Dr. V. R. Joshi.	Campylobacter pylorii : What is it doing there ? Epidemiology of coronary heart disease.	J. A. P. I. in February 1988. J. A. P. I. in November 1988.
Dr. (Mrs.) D. V. Deshpande.	Levels of ammonia and glutamine in serum and CSF of patients with hepatic encephalopathy.	Article.
Dr. R. D. Siqueira. Dr. (Mrs.) N. E. Borges. (Co-author).	Clinical profile of S. L. E. in Western India.	Article.
Dr. Y. V. Meisheri.	Rheumatoid Arthritis and Lung changes.	At V. P. Chest Institute, Delhi, in March 1988.
Dr. (Mrs.) R. S. Samant. Dr. (Mrs.) D. V. Deshpande.	Superior vena caval syndrome.	Under publication. Arranged the XIV conference of Indian Association of Communicable Diseases in the year 1988. Co-ordinator and faculty member for 'Brainstorm' session, faculty member for 'Microteaching workshop' organised by the Department of Surgery of T. N. Medical College.

Doctor	Subject	Particulars where published.
Dr. V. R. Joshi. Dr. (Mrs.) N. E. Borges.		Attended the 6th SEAPAL Congress of Rheumatology held in Tokyo in September 1988.
Dr. V. R. Joshi.		Attended the Annual Conference of Indian Rheumatism Association held in Madras in December 1988 where he chaired a few sessions.
Dr. (Mrs.) S. A. Kamath.		Participated in the National Workshop on Clinical Pharmacology held at Chandigarh in the month of March 1988.
Dr. (Mrs.) D. V. Deshpande		Attended the Annual A.P.I. conference held at Pune.

ASTHMA AND OBSTRUCTIVE AIRWAY DISEASES CLINIC.

Dr. (Mrs.) A. J. Pai-dhungat.	Cardiovascular changes in Viral Hepatitis. Immunoglobulins and mediators in bronchial asthma.	At the Symposium on 'Biochemistry Molecular Pathology of Lung' at V. P. Chest Institute, Delhi in March 1988- under publication. Organised and participated a symposium on 'Recent advances in Bronchial Asthma' at the T. N. Medical College in October 1988 where Allergy exhibition and pulmonary function test demonstrations were also done. Proceedings of the same are under publication. Participated in a workshop of International Cardiopulmonary Update in December 1988 and spoke on the pulmonary Functions Tests.
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OPHTHALMOLOGY DEPARTMENT.

Dr. (Mrs.) G. Murthy.	Eye-donation.	Gave a write-up in news paper. Attended 46th All India Ophthalmological Conference at Bombay and presented a Scientific exhibit — Clinical E. R. G. study with Electro-medical Equipment Model Rx-3T. Co-Chairperson of the Organising committee.
Dr. (Mrs.) G. Murthy.		Attended annual symposium on 'Intraocular Implant Surgery at Bombay. Attended a course on 'Advanced contact lens practice' at Bombay. Participated in the workshop on Multiple Choice — Question setting Technology at T. N. M. C. Actively participated in the course on 'Current concepts in Ophthalmology at Madras. Attended & Participated in the Seminar 'Update' in ocular Therapeutics at Nasik. Attended a course on 'Update in Uveitis' at Bombay. Attended and participated in workshop on 'Vitreoretinal diseases and Laser Micro-Surgery' at Jaslok Bombay. Delivered a talk on Macular disease at Solapur. Ind. J. Ophthalmology Vol. 36, No. 1, 1988, Page 43.
	Abnormal presentation of Peters Anomaly.	

Doctor.	Subject.	Particulars where published.
Dr. A. R. Patel.		Attended the 46th All India Ophthalmological conference at Bombay.
Dr. (Mrs.) Y. P. Chibber.		Attended 46th All India Ophthalmological Conference from 9th January to 12th January 1988 at Bombay Hospital under auspices Bombay Ophthalmology Association on Reception Committee member.
Dr. (Mrs.) Y. P. Chibber		Attended a course on 'Advanced contact lens practice' on 8th January 1988 at C. K. Naidu Hall Ophthalmological Society of Contact Lens Specialists.
		Attended Annual Symposium on Intraocular Implant Surgery at President Hotel on 6th & 7th January 1988, organised by Indian Interocular Implant Society.
		Participated in Vitro-Retinal and Laser Microsurgery Workshop at Jaslok Hospital and Research Centre from 20th June to 25th June 1988 as a delegate.
Dr. H. L. Trivedi.		Attended the 46th All India Ophthalmological Conference at Bombay.
DEPARTMENT OF OBST. & GYNAEC. :		
Dr. M. Y. Raval.		Attended conference at Madhya Kerala, Obst. & Gynaec. Congress and CME at Kottayam.
		Attended 3rd U. P. State Conference and CME at Agra.
		Attended 16th Bombay Obst. & Gynaec. conference in June 1988.
		Attended conference of 2nd Maharashtra State Obstetric and Gynaec. Congress at Nasik.
		Attended conference of All India Obst. And Gynaec Congress at Mysore.
		Workshops conducted on U. S. G. at Agra at 3rd U. P. State Conference.
Dr. M. Y. Raval.		Workshop conducted on USG at Bhavnagar for Bhavnagar Obst. and Gynaec. Society.
		Workshop conducted on USG at CME on infertility at Manipal.
		Attended WHO workshop on training of teachers in Maternal and Child Health Care and family Welfare at Goa.
	Estimate of Foetal weight by USG using Shepard's formula.	Indian Journal of Obst. & Gynaec. 1988.
	Estimate of Foetal weight by USG using hills formula.	Indian Journal of Obst. & Gynaec 1988.
	A practical guidelines for Ultra-sound examination in obstetrics.	Book published.

Doctor	Subject	Particulars where published.
Dr. (Mrs.) C. M. Alwani.		<p>Attended Bombay Obst. & Gynaec. conference held on June 1988. Went to Florida Havens Hospital and attended the Obst. & Gynaec. departments as an observer and in hysteroscopy of Ultrasonography.</p>
Dr. (Mrs.) S. K. Shah.		<p>Went to Houston Texas Medical Centre as an observer and witnessed laser work, microsurgery and advanced Ultrasonography work. Attended All India Gynaec. Obst. Conference at Mysore in December 1988.</p>
Dr. A. R. Dalal.	Antibiotic prophylaxis in Obst. & Gynaec.	<p>Article accepted for publication. Attended Bombay Obst. & Gynaec. Conference held in June 1988.</p>
	Perinatal Mortality in Abn.	Asio-Oceanic Journal of Obst. & Gyn.
	Prolapse of Vagina after Vaginoplasty.	A case report — accepted for publication.
Dr. K. S. Coelho.		<p>Participated in Symposium on sperm ECG Interactions and Infertility at Institute for Research in Reproduction, Parel, November 28 to November 29, 1988. Attended the 51st Advanced course in Microsurgery organised by the Family Planning association of India, 6th June to 12th June 1988. Completed a visiting fellowship in Ultrasound in the Deptt. of Radiology, Nassau Coun Medical Centre N. Y., U. S. A. 17th August 1988 to 15th September 1988. Completed a visiting fellowship in IVF E. T. and G.I.F.T. at Woman's health Institute HCA affiluted with Baylor College of Medicine, Houston, Texas, U. S. A. from 15th September to 15th October 1988. Attended the Indo-British symposium on recent advances in perinatal care, 8-10th December 1988. Attended the 9th World Congress on Juvenile and adolescent Gynaec. and Obst. at Hotel Oberoi Towers, Bombay, 26-2-89 to 1-3-89. Participated in the Post World Congress training in Obst. & Gynaec. Ultrasound 2-3-89 to 8-3-89 conducted at B. Y. L. Nair Ch. Hospital.</p>
Dr. C. N. Khedekar.		<p>Attended Obst. & Gyneec. Annual Conference. Attended 'Medical education programme on S.U.I. June 1988 at K. E. M. Hospital. Attended 1st Maharashtra State I. M. A. conference on September 1988. Attended at Indo-British symposium on recent advances in prenatal care at K. E. M. Hospital, 8th to 10th December 88.</p>

DEPARTMENT OF ORTHOPAEDIC :

Doctor.	Subject.	Particlrns where published.
Dr. C. A. Talwalkar.		<p>Attended British Orthopaedic Association Autumn meeting at Oxford U. K. in September 1988.</p> <p>Visited London Hospital for Total Knee Replacement Surgery.</p> <p>Participated in clinical meeting at Nair Hospital of Bombay Orthopaedics Association.</p> <p>Participated as a teacher in super speciality training for Surgeons from India Demonstration of long term follows up of polytrauma cases, Kienbock's and its effects on bone and adjoining structures.</p>
Dr. D. D. Tanna.		<p>Attended Advance course in Spinal Surgery at Gothenberg Sweden which was conducted by 33 International Surgeons, June 1988.</p> <p>Visited Singapore as fellow which was awarded by the All Indian Orth. Association as South East Asia Fellowship, which is awarded once in a year.</p> <p>Attended 55th American Academy of Orth. Surgeon at Las Vegas U. S. A., February 1988.</p> <p>Attended All India Orth. Surgeon conference. A. O. Advance course-bone-Gujarat Association Training programme as teacher at Baroda — Gave few lectures in Bombay in different Associates.</p>
Dr. V. J. Laheri,		<p>Attended Spinal Surgery Conference at Banglore in December 1988.</p>

DEPARTMENT OF NEUROSURGERY.

Dr. U. S. Vengsarkar.	Gliomas of the brain.	Oration at Nagpur, April 1988 under the auspices of I. M. A.
	C. S. F. Fistulae.	Chapter contributed to the Textbook of Neuro-Surgery.

CARDIO VASCULAR THORACIC SURGERY.

Dr. J. N. Karbhase. Dr. J. M. Desai. Dr. M. J. Pradhan.		Attended the 40th Jt. Annual Conference Cardiac Surgery and Cardiologists in the month of November 1988.
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Doctor	Subject	Particulars where published.
Dr. Mishra.	Mitral valve repair.	Indian Heart Journal.
	Surgery of dextrocardia with complex congenital heart disease.	Indian Heart Journal.
	Rare tuberculous affection of the heart.	Indian Heart Journal.
	Aneurysm of the dacron graft — 7 years after surgery.	Indian Heart Journal.
DEPARTMENT OF PAEDIATRIC SURGERY.		
Dr. A. B. Mathure. Dr. D. J. Mohla.		Attended International seminar for update in Paediatric Surgery held at K. E. M. Hospital in December 1988.
PHYSIOLOGY DEPARTMENT.		
Dr. (Smt.) A. Malathi Dr. (Mrs.) V. G. Parulkar.	Effect of Yogasanas on Reaction Time.	Inj. J. Physiol. & Pharm.
	Reaction time studies in hemiplegia.	J. of Post Graduate Medicine.
Dr. V. S. Bhat.		Attended 12th Course of National Teacher Training conducted by the National Teachers Training Centre. Post graduate Institution of Medical Education & Research at Chandigarh from 9-3-1988 to 19-3-1988.
Dr. A. Malathi.	Reaction Time studies in Schizophrenias.	Read at the conference of Psychiatry held in November 1988.
Dr. (Mrs.) H. P. Pispati.		Attended a course on computer in Medicine.
PATHOLOGY DEPARTMENT.		
Dr. W. R. Menezes. Dr. A. M. Phatak. Dr. J. D. Rege. Dr. S. R. Prabhu.	Fine needle aspiration biopsy cytology in Diagnosis of Lymphadenopathy.	Journal of Cytology, Vol. 5, January 1988.
Dr. V. P. Sanzgiri. Dr. S. R. Prabhu.	Primary Gastro-intestinal lymphoma — A clinicopathological study of 32 cases.	Indian Journal of Gastroenterology Vol. 7, No. 44, October 1988.
Dr. S. R. Bhagwat. Dr. P. P. Shilotri Dr. H. G. Buch. Dr. J. D. Rege. Dr. M. B. Jikar.	Adenoacanthoma of Transverse colon.	Indian Journal Gastroenterology 7, 57-59, 1988.
Dr. N. K. Bahal. Dr. S. R. Prabhu.	Malignant fibrous histiocytoma. — report of 2 cases.	Indian J. of Otolaryngology.
Dr. J. D. Rege.	Fine needle aspiration biopsy cytology in diagnosis of Lymphadenopathy.	Journal of Cytology VAS 1988 : 33-39.

DEPARTMENT OF RESPIRATORY DISEASES.

Doctor.	Subject.	Particulars where published.
Dr. A. A. Mahashur.		Attended teachers training course at PGI, Chandigarh from 8th to 18th March, 1988.
		Appointed on Advisory Committee for the Relief and Rehabilitation of Bhopal gas victims to advise Bhopal Govt. on the Medical Rehabilitation of gas affected victims.
Dr. S. P. Shah.	Diagnostic efficacy of bronchial aspiration culture and bronchial biopsy in flexible fiberoptic Bronchoscopy:	XLIII API Conference held in January, 1988 at Pune.
	Short term Chemotherapy trial involving the use of INH and Thiacetazone in the continuation Phase.	Indian J. of T. B., April 1988.
	Interstitial lung disease, follow up study.	IMA (Bombay) Western Suburban branch conference in September 1988 held in Bombay.
		Attended International Update conference on Cardiopulmonary Diseases in December 1988 held in Bombay and actively involved in as a organiser's Committee member.

BIOCHEMISTRY DEPARTMENT.

Dr. (Mrs.) V. A. Haldankar.		Attended XIV Annual conference of Association of Clinical Biochemists of India at Udaipur from February 27-29, 1988.
Dr. (Mrs.) V. A. Haldankar. Mrs. P. R. Chavan. Dr. (Mrs.) A. V. Nerurkar.		Attended a ten days workshop on 'Basic computer programming course' conducted by K. C. College, Bombay from May 4th to 14th 1988.
Mrs. P. R. Chavan.		Completed the course of 1½ month duration in 'Endocrinological techniques and their applications' organised at National Institute of Nutrition Hyderabad in the month of August 1988.

DEPARTMENT OF DERMATOLOGY & VENEREOLOGY.

Xanthomatosis.	Under publication.
Alopaecial Areata.	Under publication.
Acne treatment with Diane.	Under publication.
Mycoses Fungoides.	Under publication.

DEPARTMENT OF PAEDIATRICS.

Dr. (Mrs.) P. M. Pai.	Attended 'Growth & Development' Endocrine Seminar at B. Y. L. Nair Ch. Hospital on 20-2-1988.
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Doctor	Subject	Particulars where published.
Dr. (Mrs.) P. M. Pai.		<p>Attended 'Efforts Corporation is doing reg. Immunisation' in Communicable disease Conference at Nair Hospital on 11-3-1988.</p> <p>Attended 'Need & Importance of child guidance' workshop on child guidance at Nathibai Thakersey College on 21-3-1988.</p>
		<p>Attended — 'Problems of Medical Education' at G. T. Hospital — Maharashtra Institute of Development Administration on 22-8-1988.</p>
		<p>Attended — 'Problems of Medical Education' conducted session of MIDA course of Management Administration in Hospital at G. T. Hospital on 19-9-1988.</p>
		<p>Attended Asthma Symposium at B. Y. L. Nair Ch. Hospital on Recent Advances in Bronchial Asthma 'Special problems in diagnosis & management of childhood Asthma' on 15-10-1988.</p>
		<p>Attended XXVth National Conference of IAP at Jodhpur on 25-10-1988 to 27-10-1988.</p>
		<p>Attended — 'Problems of Medical Education' and 'Public Image of the Hospital' — MIDA at Poona on 5-12-1988.</p>
		<p>Attended XXIII Annual Conference on 'Empowerment of Women' at SNDT University on 26-2-1988.</p>
Dr. (Mrs.) R. H. Udani.		<p>Attended Workshop on planning and management of EPI at T. N. Medical College, Bombay on 17-2-1988 to 22-2-1988.</p>
		<p>Attended — WHO assisted State level workshop on 'Strengthening of Family Welfare Training in Graduate Medical Education' at Goa Medical College from 21-11-1988 to 24-11-1988.</p>
		<p>Attended XXVth National Conference of IAP at Jodhpur in October 1988.</p>
Dr. (Mrs.) S. M. Joshi.		<p>Attended — 'Controversies in Paediatrics' at Alibaug on 18-12-1988.</p>
		<p>Attended — 'Contribution of Medical Colleges to Universal Immunisation Programme' at K. E. M. Hospital Bombay on 21-12-1988.</p>
Dr. (Mrs.) P. H. Parikh.		<p>Attended — 'Infection Control' Workshop at National Hospital by S. N. D. T. University in January 1988.</p>
		<p>Attended — Workshop on Planning and Management by EPI at T. N. Medical College, Bombay in February 1988.</p>

Doctor.	Subject.	Particulars where Published
Dr. (Smt.) Alka Shah.		Attended — Workshop on 'Planning and Management by EPI' at T. N. Medical College, Bombay in February 1988.
		Attended 'Controversies in Paediatrics' organised by Maharashtra Branch of IAP at Alibaug on 18-12-1988.
		Attended Indobritish Symposium on 'Perinatal Care' at K. E. M. Hospital from 8-12-1988 to 10-12-1988.
Dr. (Smt.) Preetee Shanbhag.		Attended—Haematology Update at Sion Hospital, Bombay on 20-6-1988.
		Attended—National Conference of IAP at Jodhpur on 24-10-1988 to 28-10-88.
		Attended workshop on Medical Educational Technology at K. E. M. Hospital, Bombay from 28-12-1988 to 31-12-88
Dr. (Mrs.) P. M. Pai.	Health (Child survival, Health for all).	Paper and lecture at XXIII Annual Conference on Empowerment of Women at SNDT University.
Dr. (Mrs.) P. M. Pai.	Comparative study of Adrenaline and inhaled Salbutamol in Asthma.	XXVth National Conference of IAP at Jodhpur.
Dr. (Mrs.) R. H. Udani.	Prevalance of post transfusion hepatitis and hepatitis B Antigemia in multiply transferred thalassaemic Children.	XXVth National conference at Jodhpur.
	Impact of conservtive care in Newborn nursery.	At XXVth Natioal conference at Jodhpur.
	Therapeutic evaluation of blood transfusion Vs iron therapy in severe iron deficiency anemia in children.	At XXVth Natioal conference at Jodhpur.
Dr. (Mrs.) S. M. Joshi.	Prognostic factors in pyogenic meningitis.	At 25th Natioal Conference at IAP at Jodhpur.
Dr. (Mrs.) P. H. Parikh. Dr. (Miss) Preeti Shanbhag.	Incidence of rickets in children on long term anticonvulsants.	At 25th National Conference of IAP at Jodhpur.
	Comparative efficacy of subcutaneous adrenaline and inhaled Salbutamol in the treatment of acute asthma in children.	
Dr. (Miss) Alka Shah.	Prognostic factors in pyogenic meningitis..	At 25th National Conference of IAP at Jodhpur.
	Impact on conservative care in Newborn Nursery.	At 25th National conference of IAP at Jodhpur.
Dr. R. H. Udani. Dr. A. V. Shah. Dr. P. M Pai.	Cerebral Gigantism (Soto's syndrome) a case report a letter to Editor.	Indian Paediatrics 25 : 392-94. 1988.

PREVENTIVE AND SOCIAL MEDICINE DEPARTMENT.

Doctor	Subject	Particulars where published.
Dr. (Mrs.) N. P. Pai.	Perinatal Mortality Profile in Teaching Hospitals — A Retrospective Study.	<p>18th IAPSM conference at G. R. Medical College Gwalior 29th to 31st December 1988.</p> <p>Participated in a Symposium on 'Universal Immunization Programme' held on WHO day 7th April 1988 at Birla Krida Kendra.</p> <p>Attended workshop on Strengthening Management Training Institute, conducting DPH Courses during August 2-6 1988 at NIHFW New Delhi.</p> <p>Attended workshop on Strengthening Training of Family Welfare in Undergraduate Medical Education in India, at Medical College Bambolim Goa, during 21st November to 24th November 1988.</p> <p>With the held of Dr. Naik organised a workshop on EPI Management Training at T. N. Medical College in February 1988.</p>
Dr. (Mrs.) Parimala Subramanian.	Education for Holistic Health.	<p>Published in Yoga and Total Health— a magazine published by Yoga Institute Santacruz, Bombay Vol. XXXIII— 9th April 1988, pg. 20 —22.</p>
	Spiritual Dimension in Health and Holistic Approach to Life.	<p>At the main symposium on 'Holistic Life & Future' at the Festival of Life International Conference held at Centaur Hotel Bombay between 10th 14th December organised by FIMC, Biomedical Ethic Centres and 6 other organisation.</p> <p>Attended workshop on 'Management training for DPH Faculty' organised by Ministry of Health and WHO at National Institute of Management Sciences, National Institute of Health & Family Welfare between 26th-29th January 88.</p>
Dr. (Mrs.) Parimala Subramanian.	Evaluation and follow up of training programmes.	<p>Appointed Rapporteur for group discussion session and general presentation session.</p> <p>Invited by Family Planning Association of India as an expert of 'Experts Consultative meeting to train grass root councillors at Y. M. C. A. Bombay on 1st & 2nd February 1988.</p> <p>Gave a talk.</p> <p>Appointed Group leader for discussion on 'Evaluation of Health Services'.</p> <p>Attended workshop on Planning & Management of Expanded Programme of Immunisation at T. N. M. C. between 17th — 20th February 1988.</p>

Doctor.	Subject.	Particulars where published.
		<p>Attended workshop on Planning and Management of Expanded programme of Immunisation at National Institute of Communicable Diseases New Delhi between 11th—15th April 1988.</p> <p>Worked as 'Course Manager' Planning and Management of EPI for Health Officers of Bombay Municipal Corporation August 1.— 3rd 'F' South Ward.</p> <p>Attended 'Educational Technology Course for Health Professionals 7th - 16th September at Post Graduate Institute of Medical Education & Research Chandigarh.</p>
Dr. (Mrs.) Parimala Subramanian.	Hospitals as Health Centres & Holistic Approach to Health.	<p>Invited by Dr. P. S. Vaishnawar — Ex. Director Medical Education & Research to give a talk at a Refresher cum orientation programme for class I officers from Department of Medical, Education and Drugs, conducted by Maharashtra Institute of Development Administration Training Centre at G. T. Hospital, Bombay on 23-9-1988.</p>
	Hospitals as Health Centres — Holistic Approach.	<p>Invited to give a talk at Sasson Hospital—Pune organised by MIDA on 5th December 1988.</p> <p>Worked as 'Committee Member' appointed by Faculty of Medicine Bombay University to frame the draft ordinances and regulations relating to diploma course in Occupational & Industrial Health to be introduced in University of Bombay—June 1988.</p>
Dr. (Mrs.) Vijaya A. Naik.	Universal Immunisation programme.	<p>At T. N. Medical College at the symposium on contribution of Medical Colleges to Universal Immunisation held at G. S. Medical College during December 1988.</p>
	Child Survival Health for all 2000 A. D.	<p>At the meeting of consultatives of XXIII Annual Conference of IUACE on "Empowerment of Women Multidisciplinary Perspectives" during December 1988.</p>
Dr. V. A. Naik. Mr. Jain. Mrs. N. P. Pai.	Evaluation of immunisation coverage by cluster sampling method.	<p>At Sixth National Conference of Medical Statistics of India held at NIN Hyderabad Authors.</p>
Dr. Sunita Shanbhag. Co-author.	Towards care of the Whole Child.	<p>At 18th IAPSM Conference, 29-31st December 1988 at Gwalior.</p> <p>Along with Dr. N. P. PAI ORGANISED a workshop on Planning & Management of E.P.I. Workshop included field evaluation of immunisation coverage.</p> <p>Participated in the workshop on strengthening management component of DPH held in August 1988 at National Institute of Health and Family Welfare New Delhi.</p>

Doctor	Subject	Particulars where published.
Dr. (Mrs.) Daksha D. Pandit. Dr. N. P. Pai. Co-author.	Diarrhoea Game.	Reproduced in Health Action Vol. I No. 5 May 1988 : 38.
Dr. (Mrs.) Daksha D. Pandit. Dr. N. P. Pai. Co-author.	†7% ⁵ on Vol. I No. 5	May 1988 : 38.
Dr. (Mrs.) Daksha Dr. N. P. Pai.	G. Jain.	
	Drug utilization of Eassential Drugs at Urban Health Centre.	Hospital Administration Official Journal of the Indian Hospital Association September 1988.
Dr. (MRS.) Daksha D. Pandit.	Critical Evalution of Health Services rendered by an Urban Health Centre. Hospitals as Health Centres.	Read at 18th Annual conference of IAPSM at Gwalior 1988. Delivered a lecture at Maharashtra Institutue of Development and Adminis- tration on 5th August 1988. Attended the workshop on EPI manage- ment & training at 'F' South Ward Office as Course Management 1st, 2nd & 3rd August 1988.
Dr. (Mrs.) Daksha D. Pandit.		Attended the workshop on 'MCQS' in February 1988. Participated in workshop on-EPI management & training in February 1988 organised by Department of Preventive & Social Medicine.
Dr. (Mrs.) Radha Y. Aras.	Elderly too needs to be cared.	North Eastern Doctors Calling Vol. 4, 1 & 2, January February 1988, P. —13 15.
	Prevention of Teenage Pregnancy A Key Strategy to reduce perinatal- Neonatal mortality.	Bulletin of National Neonatology Forum, Vol. 2, No. 2, April — June 1988, P— 1-4.
	Risk of Adolescence Pregnancy.	Population Education News, Vol. XIV September 1988, No. 5, P-5.
	Profile of Teenage pregnancy under Antental care.	32nd All India Conference of Indian Public Health Association held at Hyderabad on February 5—7, 1988.
	Anaemia in Pregnant Teenagers & Non-teenagers,	18th National Annual Conference of IAPSM at Gwalior, on 29-31st December 1988.
Co-author.	Profile of perinatal mortality.	18th National Annual conference of IAPSM 29-31st December 1988. Worked as a Rapporeur for competetive session in 32nd All India Conference IPHA February 5-7, 1988. Participated in a workshop on Plannig & Management of EPI held at T. N. M. C. 17-22nd February 1988.

Doctor	Subject	Particulars where published.
Dr. (Mrs.) Radha Y. Aras.		Participated in Orientation programme for Municipal Officials on street children, organised by All India Institute of local self Govt. & UNICEF. 12—13 August 1988 at Bombay.
		Attended a seminar 'Role of medical college in U.I.P.' sponsored by W. H.O. at K. E. M. Hospital, Bombay on 21st December 1988.
ENDOCRINOLOGY DEPARTMENT.		
Dr. K. D. Nihalani.		Attended API conference held at Calcutta, chaired various sessions and participated in Seminar on 'Autonomic Neropathy'.
	Drug interactions in diabetes.	Delivered lecture at Diabetes Conference.
	Glucagaon in health & disease.	Delivered lecture at Diabetes Conference.
		Taken lectures for the course arranged by DAI for Physicians as well as non-physicians.
		Arranged a seminar on 'Thyroid Update' and 'Growth Retardation'. Thyroid Upadate seminar was inaugerated by Dr. L. H. Hiranandani and 'Growth Retardation' was inaugerated by Shri Warty.
		Participated in Endocrine Conference at Jaslok Hospital, Bombay.
	Phychosocial aspects in Juvenile Diabetics.	Send for publication.
Dr. K. D. Nihalani.	Amyitropy in young diabetics.	Send for publication.
	An open trial of gemfirozil in hyperlipidemia.	Send for publication.
Lecturer, Dept. of Endocrimology.	Long Term complication with gemfibrosil therpey.	API conference held at Calcutta.
		Arranged & attended a Seminar on 'Thyroid Upadate' & 'Growth Retardation' at Nair Hospital.
	An open trial of gemfibrosil in hyperlipidemia.	Send for publication.
	Psychosocial aspects in Juvenile diabetics.	Send for publication.
	Amyitropy in young diabetics.	Send for publication.
Senior Biochemist.		Arranged & attended a Seminar on 'Thyroid Upadate' and 'Growth Retardation'.

Doctor	Subject	Particulars where published.
		Invited for Seminar on 'R. I. A. in Laboratory' organised by Ezra Brothers, Bombay.
	GPC in human seminar plasma as an index of genital tract patency.	Indian J. Urology, Vol. 4, No. 2, P 49—51
	Hypothyroidism in children & adolescents clinical and hormonal profiles.	JAPI.
Senior Scientific officer.		Attended a Seminar on 'Thyroid Update' and 'Growth Retardation'.
		Invited for Seminar on 'R. I. A. in Laboratory' organised by Ezra Brothers, Bombay.
	Immunological Aspects of Male Infertility.	Indian Journal of Urology, Vol. 5, 1988, No. 1.
	Cell mediated immunity in anthological conditions.	Indian Journal of Medical Research, October 1988, 343-347.
DEPARTMENT OF PHARMACOLOGY.		
Dr. S. R. Amladi.		Continues to be the Adviser of the TNMC Nature Club.
		Member of BMC constituted committees for Inspection of Drug Manufacturing Firms.
	Pharmacological & Phytochemical investigations of Garuga pinnata (Burseraceae) : A collaborated Approach.	At the Staff Society meeting held on 17th March 1988.
	Anciant Medicinal Plants in the Charak Samhita in Modern Perspective.	Speaker as well as an Organising Committee Member at the Symposium on 'Ayurveda update' held at the G. S. Medical College on 26th & 27th November 1988.
	Development of Drugs from Plant Source.	Gave lecture at the X ICMR course in clinical pharmacology organised by the G. S. Medical College on 13th December 1988, as A Guest faculty.
Dr. D. A. Joseph.		Organised the Annual meeting of Association of Physicians at Pune in the last week of January.
		Participated in the update session of Association of Physicians of India, the session of Iatrogenic Diseases. Topic — Drugs and the Liver.
		Chairman of the prize session of Indian Society for Advancement of Medical Education in Ahmedabad in 2nd Week of February.
		Participated in the pannel discussion on the Indian Society for Advanement of Medical Education at Ahmedabad.

Doctor.	Subject.	Particulars where published.
		Attended the South East Asia and Pacific region meeting of the Association of Dental Surgeons January 30th and 31st.
	Role of placebo in clinical trials and Monitoring of Adverse Drug Reactions.	Deliver lectures in the National Workshop on Clinical Pharmacology arranged by the PGI Chandigarh in 2nd week of March.
	Reduction of cost in Hospital and Medical Audit.	Delivered lectures in the training programme of Maharashtra Institute, of Medical Administration for Medical Dental and Ayurvedic Teacher.
		Attended and participated in a workshop on Planning of the curriculum in psychiatry for under graduate medical students arranged by the Indian Psychiatric Society at Bombay in September 1988.
Dr. D. A. Joseph.		Attended the International update in Cardiopulmonary Disease held in Bombay in November 1988.
	Drug therapy on onosmoial infections.	Delivered a lecture at the Annual Conference of Kerala Association of Physicians of India in July 1988.
	Advances in the treatment of infections.	Delivered a lecture in the South Zone CME Programme of the National Academy of Medical Sciences from October 30th to November 2nd at Trivendrum.
Dr. (Mrs.) S. A. Desai.	Nuclear Cardiology.	Conducted a lecture cum demonstratic for the candidates from the clinical pharmacology ICMR conducted course November 1988.
	Renogram in hyperensives.	Conference of Society for nuclear medicine India at Dibrugarh Assam.
DEPARTMENT OF PLASTIC SURGERY		
Dr. S. M. Mahaluxmivala.	Pharyngeoesophageal reconstruction.	23rd National Conference of A. P. S. I. Madras.
Dr. A. H. Patil.	Gluteus maximus myocutaneous flap for pressure sores.	23rd National Conference of A. P. S. I. Madras Best paper award.
Dr. S. M. Mahaluxmivala.	Reduction Mammoplasty with free nipple grafts.	At the Golden Jubilee Conference of A. S. I. New Delhi.
	A critical review of 1000 cases of Finger Tip injuries.	At the Golden Jubilee Conference of A. S. I. New Delhi.
Dr. Narendra Pandya.	Reduction Mammoplasty with a single superiorly based pedicle.	At the Golden Jubilee Conference of A. S. I. New Delhi.
Dr. Nimmi Lalwani.	A study of microvascular techniques with histopathological and patency evaluation in rat models.	At the Golden Jubilee Conference of A. S. I. New Delhi.
	Microvascular technique in rat models.	At the Staff Society meeting in October 1988.

Doctor	Subject	Particulars where published.
Dr. S. M. Mahaluxmivala.	Silastic Implants for Reconstruction and management of facial fractures.	Maxillar Facial Conference December 1988.
Dr. Vinod Tamrakar.	Rare Craniofacial Clefts.	Maxillo Facial Conference December 1988.
Dr. Narerndra Pandya.		Attended the 35th Biennial Congress of International College of Surgeons held at Milan in March 1988. Invited to conduct an operative workshop in Ophthalmic Surgery held in October 1988 at Miraj by the Maharashtra State Ophthalmic Society.

RADIOLOGY DEPARTMENT.

Dr. A. G. Naik.	Conducted Ultrasonography Workshop at Baroda.
Dr. A. G. Naik. Dr. G. R. Jankharia. Dr. S. V. Kothri.	Attended the Conference of M. S. RA. held at Bombay on 29-10-88.
Dr. A. G. Naik.	Appointed as Medical Inspector by Medical Council of India to inspect India to inspect Dhavangiri Medical College for the facilities available for training M. D. (Radiology) students and to inspect the MD. Exam. conducted by Mysore University during the year 1988.
Dr. S. V. Kothari.	President of Maharashtra Branch of Indian Radiology and Imaging Association.

APPENDIX NO. X.

Serial No.	Name of the activity.	Actuals	Budget	Revised Budget	Budget
		1987-88	Estimates 1988-89	Estimates 1988-89	Estimates 1989-90
		Rs.	Rs.	Rs.	Rs.
1.	General Administration and Supervision.	1,42,38,135	1,95,99,180	1,95,99,180	1,83,67,910
2.	Medicine Department.	1,01,40,250	1,35,60,270	1,35,60,270	1,24,70,260
3.	Surgery Department.	1,00,95,830	1,32,10,120	1,32,10,120	1,18,91,230
4.	Obst. & Gyn. Department.	34,20,240	45,30,250	45,30,250	42,60,250
5.	Paediatric Department.	27,15,140	35,10,250	35,10,250	33,10,250
6.	Premature Baby Ward.	Reflected in Gynaecology Department.			
7.	Radiology Department.	29,10,130	40,55,160	40,55,160	38,30,160
8.	Pathology and Bacteriology Department.	15,92,125	21,18,130	21,18,130	19,96,130
9.	Casualty.	Shown under Medicine Department.			

Serial No.	Name of the activity.	Actuals	Budget Estimates	Revised Budget Estimates	Budget Estimates
		1987-88	1988-89	1988-89	1989-90
		Rs.	Rs.	Rs.	Rs.
10.	Orthopaedic Department.	27,45,160	35,47,260	35,47,260	33,31,000
11.	Aural (E.N. T.) Department.	19,80,650	25,20,750	25,20,750	24,02,650
12.	Ophthalmology Department.	16,65,350	21,85,360	21,85,360	20,55,360
13.	Skin & V. D. Department.	17,55,235	23,55,270	23,55,270	22,27,270
14.	Blood Bank.	8,24,135	10,55,160	10,55,160	10,50,160
15.	Neurology Department.	28,20,357	32,75,350	32,75,350	30,65,350
16.	Urology Department.	—	—	—	—
17.	Pharmacy Department.	22,60,236	31,70,850	31,70,850	33,30,850
18.	Audiology & Speech Therapy Department.	91,635	2,39,860	2,39,860	3,47,400
19.	Psychiatry Department.	14,55,368	19,55,750	19,55,750	20,39,750
20.	Biochemistry Department.	—	—	—	—
21.	Physiotherapy Department.	5,02,200	6,40,400	6,40,400	6,03,400
22.	Occupational Therapy Department.	4,10,300	5,52,500	5,52,500	5,22,500
23.	Immunization Centre.	—	—	—	—
24.	Gastroenterology Department.	3,85,120	5,15,130	5,15,130	4,90,500
25.	Mobile Health Unit.	—	—	—	—
26.	Dental Clinic.	—	—	—	—
27.	T. B. Observation.	9,40,240	13,50,240	13,50,240	12,83,250
28.	Neuro-Surgery Department.	5,10,130	7,00,250	7,00,250	6,61,250
29.	Plastic Surgery Department.	2,96,010	3,80,130	3,80,130	3,60,130
30.	Cardiac Medicine Department.	9,31,135	12,00,110	12,00,110	13,10,110
31.	Thoracic Surgery Department.	—	—	—	—
32.	Paediatric Surgery Department.	2,28,307	3,00,820	3,00,820	2,84,240
33.	Artificial Kidney Department.	2,08,400	2,65,400	2,65,400	2,41,650
34.	Diabetic Clinic.	1,65,140	2,35,200	2,35,200	2,35,200
35.	Genito Urinary Department.	1,85,235	2,45,000	2,45,000	2,29,000
36.	Nursing School.	1,88,370	2,44,000	2,44,000	2,36,200
37.	Anaesthesiology Department.	12,17,150	16,30,160	16,30,160	15,39,150
38.	Intensive Care Unit.	5,97,247	8,22,600	8,22,600	7,75,440
39.	Paediatric Centre at Reay Road.	—	—	—	—
40.	Kamathipura Teaching Centre.	4,29,861	18,58,470	18,58,470	15,73,100
41.	Centre for Drug Addicted Patients at Devi Ahilyabai Holkar Municipal Maternity Home.	—	11,60,000	11,60,000	10,44,000
Total		6,79,04,821	9,29,89,380	9,29,89,380	8,71,85,100

PERSONNEL SUMMARY

Serial No.	Category of the staff	Actuals	Budget Estimates	Revised Budget Estimates	Budget Estimates
		1987-88	1988-89	1988-89	1989-90
1.	Administrative.	177	185	285	185
2.	Medical.	211	213	213	213
3.	Nursing.	657	704	704	704
4.	Technical.	201	204	204	204
5.	Labour.	891	924	924	931
Total		2,137	2,230	2,230	2,237

**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.	7,99,43,340
2. On Out-Patients.	1,53,55,930
3. Total Expenditure (Excluding New Work).	9,52,99,270
4. On New Works.	Nil.
(B) 1. Average cost per In-Patient per day.	194.29
2. Average cost per Out-Patient per day.	32.71

II.—REVENUE ON HOSPITAL SIDE :

1. Revenue from Out-Patients.	7,88,439
2. Revenue from In-Patients.	3,53,470
3. Revenue from Overstay of Patients.	2,17,535
4. Maternity charges for 4th delivery.	8,450

III — RESULTS :

(A) 1. Schedule bed strength.	1,048
2. Total admissions during the year.	54,570
3. Admission including those brought over from previous year and U.H.C. paediatric Ward.	55,583
4. Daily average Number of admissions	152
5. Highest admission on a single day	250
6. Total number of In-Patients days	4,11,464
7. Average stay of In-Patient in days.	7.12
8. Daily average In-patients in Wards (including Sarvodaya & U.H.C. Wards)	1,066
9. Remained in the Hospital on the last day of the year.	1,080
10. Number of patients discharged as —	
i) Relieved.	25,779
ii) As Cured.	10,138
iii) Otherwise.	14,359
iv) Expired.	4,239
11. Death rate	7.21

(B) OUT—PATIENTS

1. New Out-patients attendance including Urban Health Centre.	2,13,448
2. Repeat Out-patients attendance	2,55,254
3. Daily average number of New and repeat patients	1,552
4. Highest New O.P. D. attendance on a single day	897
5. Number of Casualty Attendance (Medico-Legal).	25,792

(C) OPERATION :

1. Operations on In-Patients.	18,246
2. Operations on Out-Patients.	37,065

(D) 1. CONFINEMENTS :

1. Booked Cases.	6,436
2. Emergency Cases.	1,334
3. Total Number of delivery	6,880
a) Normal.	5,194
b) Abnormal.	1,686
4. Neonatal and Maternal Deaths	
a) Maternal Deaths.	43
b) Still Births.	288
c) Premature Deaths.	176
d) Neonatal Deaths.	164

IV — SPECIALISED TREATMENT

1. Admissions in Resuscitation Wards.	1,334
2. Sterilization.	
a) Male.	16
b) Female.	1,302
c) I. U. C. D. inserted.	650
3. A. K. D.	
a) Haemodialysis.	1,075
Peritoneal dialysis.	60
c). Renal Niopsies.	50

V — RADIOLOGY

1. X-Rays taken	1,59,904
2. No. of Patients X-Rayed.	86,076

VI — BLOOD BANK :

1. Blood samples collected from :	
a) Voluntary Donors.	3,172
b) Relative Donors.	4,231
c) Other Hospitals.	1,067
2. Bottles supplied.	6,905

VII — SCHOOL CLINIC :

(A) Number of School Children treated	
a) New Cases.	2,618
b) Repeat Cases.	17,564
c) Referred Cases.	261

(B) EXPENDITURE ON CLINIC	1,10,764,18
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VIII — PHYSIO—THERAPY :

a) Out-Patients treated.	11,469
b) Number of treatments given.	71,297
c) In-Patients treated.	10,469
d) Number of treatments given.	1,47,109

IX — OCCUPATIONAL THERAPY :

a) Out-patients treated.	9,519
b) Number of treatments given.	19,324
c) In-Patients treated.	12,117
d) Number of treatments given.	1,57,971

X — MEDICO SOCIAL SERVICE DEPARTMENT :

(A) Direct Service :	
Number of cases handled on case work level & other long term. & short term	6,781
(B) Medical Aid :	
Number of patients given medicines.	32,004

I — COLLEGE :

ANNUAL EXPENDITURE AND REVENUE

(A) 1. Expenditure including expenditure on Hostel.	Rs. 1,80,36,250.00
2. Revenue from tuition fees, Hostel Rent & Miscellaneous Receipts.	Rs. 69,94,334.00
3. Revenue from Post-Graduated fees.	Rs. 1,23,485.00
(B) INCOME FROM HOSTEL.	
(C) 1. Gross Cost per student.	Rs. 31,642.00
2. Net cost per student.	Rs. 30,632.00

II — STUDENTS

1. On roll as on 31st December 1988. 861

2. NUMBER OF STUDENTS CLASSWISE

	Male	Female	Total
Ist M. B. B. S.	65	62	127
IInd M. B. B. S.	75	111	186
IIIRD M. B. B. S.	68	86	154
Post-Graduates on roll as on 31-12-88.	157	115	272
Total No. of interns as on.	40	63	103
D.M.L.T.	2	17	19
TOTAL :	405	437	861

The Lokmanya Tilak Municipal Medical College, Sion, has completed 24 years of imparting Medical Education to the Students for under graduates studies and 11 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 25th August 88 and 20th December 88 and that report is awaited. The medical council of India has approved this institution for training of students for MBBS degree and some of the postgraduate degrees diplomas and post graduate super speciality 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.

List of Heads of the Department from 1-1-1988 to 31-12-1988.

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. Shatt	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. (Mrs) P. S. Menon	M.D.	Prof. of Medicine.
11.	Dr. M. J. Gandhi	M.D.	Hon. Prof. of Cardiology.
12.	Dr. A. P. Chaukar	M.S.	Prof. of C. V. T. S.
13.	Dr. B. J. Damany	M.S.	Prof. of Neuro-Surgery.

Sr. No.	Name	Qualification	Designation
14.	Dr. R. L. Thatte	M.S.	Hon. Prof. of Plastic Surgery.
15.	Dr. S. D. Bhatt	M.S.	Hon. Prof. of Urology.
16.	Dr. (Mrs.) P. R. Vaidya.	M.D.	Prof. of Obst & Gyn.
17.	Dr. V. B. Athavale	M.D.	Hon. Prof. of Paed.
18.	R. G. Valia.	MBBS, D.V.D.	Prof. of Skin & V.D.
19.	Dr. D'souza	MBBS, DPM	Hon. Prof. of Psychiatry.
20.	Dr. S. S. Vengsarkar	M.S.	I/c Hon. Prof. of Orthopaedics
21.	Dr. N. S. Laud	M.S.	I/c Hon. Prof. of Orthopaedics.
22.	Dr. K. B. Bhargava	M.S.	Hon. Prof. of ENT.
23.	Dr. S. H. Pantvaidya	M.D.	Prof. of Anaesthesia.
24.	Dr. S. M. Shanbhag	M.D.	Hon. Prof. of Dental Surgery.
25.	Dr. (Smt.) S. A. Motwani	M.S.	I/c Ophthalmology department.
26.	Shri S. T. Bhatt	M. Sc.	Head Occupational Therapy
27.	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 1988 was 570 and that of post-graduate students was 272. 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 on Ph. D. in Biochemistry.

The University of Bombay has recognised Biochemistry deptt., for registration of one student for doing M.Phil in Biochemistry and two students are registered under Prof. Billimoria.

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.

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 Research	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 78 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.

Specialized training is imparted to students of other institutions by organising workshops and seminars. Specialized 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 L.T.M.G. Hospital to the extent of 10 percent. From October 1984 term these interns are charged Rs. 100/- for every month's 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 training. (Results of undergraduate and postgraduate students of the year 1988 and the prizes won by the students and those who stood first in the examination are shown on the Appendix I-B.)

We are conducting competitive examinations in the subjects of Anatomy, Physiology, for 1st MBBS, Pharmacology, Pathology, 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 August 1983 names as Dr. Sathe's prize in Ophthalmology. Cash prize is given to Intern Judged as first. Similarly competitive examination 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. Hemant 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. 100/- per terms is recovered from the students. Deposit of Rs. 35/- is taken from students occupying hostel for the first time.

Library :—During the year 520 books have been added to the collection totalling to 16,270 books. The budget grant sanctioned for Library from L. T. M. M. College is Rs. 4,00,000.00 and from L. T. M. G. Hospital is Rs. 2,70,000.00.

Total No. of Bound volume
of Journals on 31-12-1988 275.

Annual Cost & Revenue :—Total expenditure of college amounted to Rs. 17,73,065/- excluding establishment cost against total cost incurred Rs. 1,80,36,250/- during the year.

The other details regarding net revenue of the college by way of Tution fees and miscellenous receipts etc., and gross cost per student, net cost per student is enclosed separately.

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. 54,570 patients were admitted for Indoor treatment during the year as against 49334 and 50205 and 49628 during the preceding three years respectively.

Out-Patients :—The Out-patient department has attended to 2,13,448 new patients. The highest admissions and Out-patients attendance (only New Attendance) on a single day was 250 and 897 respectively.

Afternoon Out-patient Department :—There are three Out-patient Departments viz., Medical, Surgical, and Paediatrics running in afternoon. During the year 14,945 patients were treated in these departments.

Paying Patients :—Under the Scheme which is effective from 1951. 1,409 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 :—25,792 accidental and other Emergency Cases were treated in this department and 1,090 injury certificates were issued to police and 110 court calls were attended by the Resident Medical Doctors during the year under report.

Certificates :—10,130 certificates of different types were issued to the patients during the year under report as under :—

(1) Opinion Certificates	8,675
(2) Injury Certificates	775
(3) A. Form Certificate	295
(4) Accident Insurance Certificate	32
(5) L. I. C. Certificates.	68
(6) Re-Imbursement	285
TOTAL :	10,130

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.	7,88,439
(2) Sale of Indoor Forms.	3,53,470
(3) Bed charges from patients over stayed in General Wards.	2,17,535
(4) Maternity charges for 4th delivery.	8,450
Total :	13,67,894

Minor Surgery Department :— 3,684 Minor Operations were performed in the department during the year.

Pathology Department :—5,01,772 investigations were carried out and 2,149 autopsied were performed during the year (Medico legal P. M. 1,052 and Medical P.M. 1,097). 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, 29,731 patients have received anaesthesia in various theatres and minor surgery department 11,362 patients were kept in recovery room and out of these 230 patients were required to be treated with respirators. 4,931 patients were examined in OPD for fitness for surgery.

X-Ray Department :—

(A) No. of Patients	86,076
(B) No. of X-Ray	1,59,904
(1) No. of Ba-meal	
Ba-Swallow	
Ba-enema	1,360
(2) Carotoid Angiogram	131
(3) Special investigations	10,121
(4) Other misc. investigations	74,464
(5) Ultra sound	7,844

Dental Department :—8,719 patients were treated for various tooth troubles.

Anti-Rabic Department :—61,167 patients were treated both new 33,211 and 27,956 repeat.

Blood Bank :—The total number of Blood Samples collected from relative donors was 4,231 and that from voluntary donors was 3,172. Blood bottles brought from other Hospitals 1,067. The total number of blood samples for transfusion during the year was 7,158.

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	21,938	2,18,406
2.	Occupational Therapy	21,636	1,77,495

Audiology & Speech Department :—During the year, patients, have taken advantage of services of the department, as under :—

(1) Number of Audiograms	2,703
(2) Number of New Speech Cases	250
(3) Number of visits speech therapy	1,600
(4) Number of special Audiometry Testing	238

Hand Injury Follow Up Clinic :— 78 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.	16
(2) Sterilization Operations performed.	1,302
(3) Loops Inserted.	650
(4) Patients given condoms.	12,290

School Clinic Department :—2,618 New and 17,564 Old Cases from 12 different Municipal Schools from the 26 suburban and 45 City, 91 New 202 Old cases from different secondary schools were treated during the year. 76 Tonsils Operations were performed on Schools Children, 195 spectacles were given during the year. Total expenditure on School Clinic at this hospital was Rs. 3,10,764.18.

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	2,82,256
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	9,457
(2) Dressing drums	20,766
(3) Savlon	15,804 Litres
(4) Enema Soap	220 Litres

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 1988-2404.

2) Asthma & O.P.D. — It is conducted once in a week to follow up asthmatic children. New cases registered during

3) High Risk Newborn follow up O.P.D. is conducted once in a week — Total 14,885 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 1988 - 157.

5) Thalassaemia Research Centre with facilities for outpatients transfusion for the Thalassaemia children was inaugurated by the Municipal Commissioner Mr. Tinaikar on 12th June 1988.

6) The Neonatology and Haematology Departments jointly organised the 1st National Workshop on 'Neonatal Haematology—Oncology' and a symposium on 'Recent advances in Haematological disorders in childhood' under the convenorship of Dr. M. R. Lokeshwar & Dr. A. R. Fernandez. This workshop was sponsored by SJRF of L. T. M. G. Hospital and Bombay branch of IAP. This 4 day workshop cum symposium was held from 9th—12th June 88 and was attended by delegates from all parts of the country.

M. S. W.

I 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.	2,885
(b) Orthopaedically handicapped for sociopsychological evaluation, Counselling & Rehabilitation.	581
(c) Sensory disorders (hard of hearing & failing vision) for socio-psychological evaluation, Counselling & rehabilitation.	396
(d) Mentally ill cases for psycho-social evaluation, Counselling & Rehabilitation.	2,357
(e) Mentally Retarded Cases for psycho-social evaluation, Counselling & Rehabilitation.	279
(f) Socially handicapped, cases for adoption termination of pregnancy, foster cases, etc. for psycho-social evaluation, counselling & Rehabilitation.	283
Total :	<u>6,781</u>

(ii) Short-Term Cases :—

(a) Cases of discharge problems & institutionalisation.	447
(b) Cases in need of appliances e.g., Crutches, drugs, & spectacles, etc.	3,607
(c) No. of turns cases given medicines in M. S. W. Opp.	32,004

(iii) Blood camps & Blood bottles collected :—

(a) No. of relatives seen for collection of blood given to the patients.	3116
(b) No. of camps Organised.	
(c) No. of Blood bottles collected from voluntary donors.	4,298

(2) 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) Educational 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 dept.) 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 planned.
- 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.

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 : 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 1978 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. Total No. of children 123.

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 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 skills. An evaluation report is sent to their respective institution on the basis of which the students are given grade 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., Potdar, 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 1988.

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 23	IInd dose 415	Illrd dose 90	IVth dose 81	609

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.

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.

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.

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 157 visits
- b) Transit camp Dharavi 218 visits
- c) Collateral contacts for community. 59 visits
- d) Health talks. 204 Nos.

2) Community visit for ROME Programme :

- a) Naik Nagar 24 visits
- b) Kala Killa 24 visits
- c) Collateral contracts for community 20 Nos.
- d) Health talks 27 Nos.

3) Aids Provided for the Dharavi Slums Dwellers :

A —Nutritional aid to children :

(i) 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 fro affected children. A high protein Nutrition snack is being given daily to 25-35/months.

B — Economic aid in terms of each — 20 beneficiaries.

C — Employment — 20 women were provided with employment.

D — Referrals — Case work & fellowship in Hospital 310 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. 38 Mahila Mandals have been organised in Dharavi Slums.
- e. 24 Youth groups have been organised in Dharavi area.
- f. 1981 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.

(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 :— W. H. O. Day was celebrated on 7th April, 1988. The department of preventive & Social Medicine at L. T. M. M. C. Sion, celebrated the World Health Days 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 follow up.

The exhibition was kept open for public for 2 days i.e. on 7th and 8th April 1988 about 2000 visited the exhibition. All the posters were explained to visitors by the staff of P.S.M. Deptt., 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 investigations. So far 1272 cases are referred for investigations and they got their treatment at Urban Health Centre Dharavi. 1086 children are treated at T. B. Clinic at Urban Health Centre, Dharavi.

III — Leprosy Clinic : This is conducted at Urban Health Centre, Dharavi thrice a week with the help of the Bombay Leprosy Project. About 707 cases of leprosy are under treatment.

IV — Rehabilitation of Physically Handicapped : The programme was started in June 87 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 Repairing 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-groups. The first group consists of 5,000 children from 0-6 years in community, 960 were found defective. The second group consists of 5000 children 6-10 years from school. 1,810 were found defective. Students were operated and 809 had minor ailments. The various activities of the programme are :—

1. Audiometric checkup of children.
2. Treatment of ear problems.
3. Rehabilitation of hard of hearing of 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 8 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 (DATS) Two batches were already trained under the programme. Another batch of women is under training on various aspects of health under this programme. One 6more batch under training.
- d. Training of youth 18.

Health Education Activities :

- a. Routine health talks on health promotional aspects is given in the Dharavi and other community under five clinics.
- b. Health exhibition is regularly held at Dharavi, Urban Health Centre. The posters on various aspect of health are displayed.
- c. Health education films are shown to the slum dwellers regularly.
- 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 NASECH.
- b) Xerophthalmia project at Bombay slums continued with the help of Operation Eye eight 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 :

Rountine : 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 polimyolitis 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) Demonstations
- 6) Role playing
- 7) Screen printing machine.

Training Programme :

- a. Training of Workers :
 - i) Community health workers
 - ii) Traditional Birth attendents
 - iii) Child Volunteers.
 - iv) Youth groups

b. Training Courses :

- i) I. C. D. S. Projects.
- 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 attendant (DAIS). One batch of 5 was already trained under the programme.

(c) Training of children child to child programme. 110 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 Audio metric Check up, Health Education talks by Interns, Detection for Rheumatic fever and Prophylaxis for prevention of complications of Rheumatic fever, child to child programme was carried out in Transit Camp group of schools as well as Cross Road group of schools.

V AUDIO VISUAL SLIDS SHOW

One audio visual slide show produced by Dr. Gopa Kothari on a vaccine preventable diseases in collaboration with Lion's Club of Sion.

Nurses Training School : During the year 139 student nurses were admitted for training in the General Nursing and 48 students nurses for midwifery. 81 and 58 student nurses were sent for general nursing Part I and Part II and midwifery Examinations respectively. Out of whom 28 and 46 students nurses in part I & II have passed respectively. Out of 48 students Nurses of midwifery 18 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 1988 stood at Rs. 6,22,018.76 collection from the Boxes donations and other miscellaneous receipts during the year amounted to Rs. 18,05,858.95 and expenditure through the Poor Box Charity Fund was Rs. 10,66,629.18 The total amount in the fund as on 31st March 1988 stood at Rs. 10,86,248.53

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. Medical College and Hospital consumers Co-operative Society from the year 1976.

DEAN

L. T. M. G. HOSPITALS &

L. T. M. M. COLLEGE,

SION, BOMBAY : 400 022.

**APPENDIX —I
RESULTS**

Period	Examination	Appeared		Passed		% of passing.	Name of the Student Stood First	Total Marks.
		Male	Female	Male	Female			
April 1988	1st M.B.B.S.	9	11	5	7	60%	Chaudhary Sangita P.	465/750
	2nd M.B.B.S.	31	52	20	49	83.13%	Shah Jayashree N.	420/600
	3rd M.B.B.S. (Old)	—	—	—	—	—	—	—
	3rd MBBS (Rev)	32	29	9	11	32.78%	Sheelvant Atul V.	890/1500
October 1988	1st M.B.B.S.	39	48	29	44	83.90%	Manoj V. Parulekar	590/750
	2nd M.B.B.S.	20	11	15	9	74.42%	Vhatkar Kiran Sopan.	388/600
	3rd M.B.B.S. (Old)	—	—	—	0	—	—	—
	3rd M.B.B.S.	49	68	32	52	71.79%	Shubhangi D. Dangli.	1074/1500

APPENDIX I-B

Results of P. G. (All Branches) Degree & Diploma of June 1988 & November/January 1989.

Subject	June 1988			NOVEMBER 1989		
	Appeared	Passed	% of passing	Appeared	Passed	% of passing
M. D. General Medicine	9	2	22.25	12	9	75
Obst. & Gyn.	2	1	50	8	4	50
Paediatrics	6	1	16.33	11	5	45.50
Skin & V. D.	2	1	50	1	1	100
Anaesthesia.	4	3	72.5	6	4	66.66
Radiology	2	—	—	2	2	100
P. S. M.	1	1	100	—	—	—
Psychiatry	1	1	100	2	2	100
Pathology	1	—	—	6	3	50
Physiology.	1	—	—	1	1	100
Microbiology	1	—	—	—	—	—
M. S. General Surgery	8	4	50	14	10	71.45
Orthopaedics	4	2	50	4	2	50
E. N. T.	1	1	100	2	1	50
Ophthalmology	1	—	—	3	1	33.33
D. A.	11	11	100	3	3	100
D. M, R. D. I	2	1	50	—	—	—
D. P. M. I	1	—	—	2	2	100
D. P. M. II	—	—	—	3	3	100
D. V. D.	—	—	—	2	2	100
D. M. Cardiology	2	—	—	4	2	50
M. Ch. Neurosurgery	1	1	100	1	—	—
Urology	3	2	66.66	2	—	—
C. V. T. S.	1	—	—	—	—	—
Thoracic Surgery	—	—	—	2	2	50
M. Sc. O. T.	5	4	80	—	—	—
P. T. I. (Biochem)	13	13	100	—	—	—
P. T. II (Biochem)	12	11	91.66	—	—	—
Research	5	3	60	—	—	—
M. Phill	1	1	100	—	—	—
Bio—Chem. by research	—	—	—	—	—	—
Microbiology by research	—	1	—	4	4	100
Bio-chem. by papers	—	—	—	2	2	100

APPENDIX — I—C

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|--|---|
| 1. Dr. G. S. Ambardekar Prize for the year 1988-89 for standing 1st and 2nd in 1st MBBS. | 1st Shri Parulekar Manoj Vijay
2nd Shri Weling Prashant Madhav |
| 2. R. S. Tembe Prize for the year 1988-89 for standing first at final MBBS. Oct. 1988. | 1) Miss Dangi Shubhangi Devidas. |
| 3. Smt. Shantabai K. Rao. Prize for the year 1988-89, for standing 1st in Medicine at final MBBS, Oct. 1988. | 1) Miss Dalmia Mamata Budhiprakash |
| 4. Dr. R. S. Damle Memorial Gold Medal in Medicine. | 1) Shri Chitalia V. C.
2) Miss Dalmia M. B. |
| 5. Dr. B. R. Damle Gold Medal in P. S. M. | 1) Miss Anagha Kale
2) Miss Kanvinde M. S. |
| 6. Dr. G. M. Phadke Memorial Award in Surgery | 1) Miss Dangi S. D.
2) Miss Gersappa S. A. |
| 7. Dr. G. M. Phadke Memorial award in Pharmacology. | 1) Miss Shaikha Sarkar
2) Mr. Abhay Divekar |
| 8. Dr. B. M. Bhargava Memorial prize in Obst. & Gyn. | 1) Miss Joshi Smita
2) Miss Dangi S. D. |
| 9. Dr. B. M. Bhargava Memorial prize in Anatomy. | 1) Mr. Sandeep N. Patil
2) Shared Between :—
1) Smt. Swarupa P. Patonkar
2) Smt. Urmi S. Patel |
| 10. Dr. C. M. Gadre Memorial Prize in ENT. | 1) Miss Shubhangi Dangi
2) No. |
| 11. Dr. C. M. Gadre prize in Physiology. | 1) Mr. Manoj V. Parulekar |
| 12. Dr. Athavale Prize in Paediatrics. | 1) Miss Mamata Dalmia
2) Miss Priya Mani |
| 13. Dr. Athavale prize in Pathology. | 1) Miss Chitra Chari |
| 14. Dr. V. R. Mehta Prize in Dermatology. | 1) Miss Jyoti Jain
2) Miss Geeta Malkan |
| 15. Dr. D. A. D'souza Prize in Psychiatry. | 1) Shri Ramesh Iyer |
| 16. Dr. Sathe Prize in Ophthalmology. | 1) Miss Manjusha Dangi |
| 17. Dr. Hemant Kalkar Prize for the year 1988. | Dr. (Smt) Khopde Suman M. |

APPENDIX—II
PAPERS READ AND PUBLISHED

DEPARTMENT OF MEDICINE.	Dr. Nanivadekar S. A. Dr. P. D. Sawant. Dr. Saraswati.	Association of <i>Campylobacter pylori</i> with gastritis, with gastritis, duodenal ulcer and gastric ulcer—a preliminary report of 95 patient, Ind. 3. Gastroent. 1988, 7 : 141-142.
	Dr. S. A. Nanivadekar. Dr. Govindani N. T. Dr. P. D. Sawant.	Comparison of 2 dosage regimens of pirenzepine versus cimetidine in endoscopically diagnosed duodenal ulcer. A randomised, controlled clinical trial. JAPI, 1988, 36 : 597-99.
	Dr. L. S. Bichile. Dr. S. A. Nanivadekar. Dr. P. D. Sawant.	HBsAg Status in patients with-chronic alcoholic liver disease hepatology, 1988, 18 : 12. HBsAg status in patients with chronic alcoholic liver disedse. Hepatology, 1988, ix (abstr).
	Dr. Prabha Sawant.	'Long term follow up of endoscopically proved D. C. cases treated with pirenzepine vs cimetidine with special reference to D. U.' at 43rd Annual Conf. of A.P.I., Pune, Jan. 23-28, 1988. HBsAg status in chronic liver disease. 29th Annual Conf. of ISG, ISGE, LSG, Ahmadabad, 28th Oct.-1st Nov. 1988.
	Dr. Nanivadekar S. A.	Pathophysiology and management of acute erosive gastritis. IMA, Chembur branch, 3rd Jan. 88 Long term follow up of patients of oesophageal various after injection sclerotherapy. IV Nepalease Congress of Paediatrics, 1-5th March, 1988, Khatmandu. Recent advances in G I therapy, IMA, Porbander Branch, 28th May 1988. Rapid diagnostic test for Cpylori. A comparison with routine culture method in 95 patients each. IMA, Jamnagar Branch, 29th May 1988.
	Dr. L. S. Bichile. Dr. S. A. Nanivadekar Dr. P. D. Sawant. 1988, ix (abstr.).	HBsAg. status in patients with chronic alcoholic liver disease Hepatology,
	Dt. John Susan, Dr. V. A. Haldankar. Dr. S. A. Nanivadekar.	Lipoprotein cholesterol. Biochemical discriminator in alocholic liver disease. Ind Parctitioner, 1988 41 : 93-97.
	Dr. Nanivadelar S.A. Dr. Govandani N. F. Dr. Sawant P. D.	A comparison pf two dosage regimens of pirezepine versus cimetidine in endoscopically diagnosed duodenal ulcer. A randomised, controlled clinical trial. JAPI, 1988, 36 : 597-99.
	Dr. Nanivadekar S.A. Dr. Bichile L.S.	Utility of endoscopy/splenoportography and endoscopy/real time scanning ultrasonography in the diagnosis of portal hypertension. Hepatology, 1988, 18 : xi (abstr).
	Dr. Shroff C. P. Dr. Nandivadekar S. A.	Endoscopic brushing cytology and biopsy in the in the diagnosis of upper GI tract lesions. A study of 350 cases. Acta cytologica, 1988, 32 : 455-60.
	Dr. Vishwanathan C. Dr. Varty P. P. Dr. Nanivadekar S. A. Dr. Popat U. R. Dr. Changlani T. T.	Carcinoma of stomach in childhood. I nd J Gastro- enterol, 1988, 7 : 244.

Dr. Nanivadekar S. A.
Dr. Sainani G. S.

In serum prolactin of prognostic value in hepatic encephalopathy ? JAPI 1988, 36: 193-94.

Dr. Nanivadekar S. A.
Dr. Sawant P. D.

Primary gastrointestinal lymphoma. A diagnostic challenge. JAPI, 1988 : 36: 409-410.

Dr. Nanivadekar S. A.
Dr. Sawant P. D.
Dr. Bhatt P. P.
Dr. C. P. Shroff

Long term follow of of endoscopically proved DU cases treated with pirenzepine vs cimetidine with special reference to duodenal ulcer scar. 43rd Annual Conference of API, Pune, Jan. 23-28, 1988.

Dr. L. S. Bichile

Rapid biopsy Urease test in the diagnosis and management of C. Pylori associated cases of gastritis, duodenal ulcer and gastric ulcer. A study of 200 cases. 29th Annual Conference of IGS, ISGE, LSG, Ahmedabad, 28th Oct. 1st Nov. 1988.

HBsAg status in patients with chronic alcoholic liver disease Hepatology, Vol. 18, No. 3 1988.

Chronic diarrhoea due to cryptosporidium. Indian Journal of Medical Research, March 1988.

Association of campylobacter pylori with gastritis, duodenal ulcer and gastric ulcer - A preliminary report of Dyapeptic patients. Indian JI. of Gastroenterology, Vol. 7, No. 3, 1988.

HBsAg Status in patients with chronic alcoholic liver disease. 43rd Jt. Annual Conference of API, January 1988.

Acute campylobacter Jejuni infection in a general hospital. 43rd Jt. Annual Conf. of A.P.I. Jan. 1988.

Dr. R. R. Tahiliani
Dr. V. N. Dadkar
Dr. H. L. Dhar
Dr. R. C. Khokhani

"Effect of supplementation of nifedipine (20mg) in hypertensive patients not responding to low dose (50mg) captopril therapy. presented at 43rd Annual Conference A.P.I., Pune 1988.

Dr. R. R. Tahiliani
Dr. S. D. Banavali
Dr. B. S. Charate

Idiopathic thrombocytopenic purpura in patients during Hodgkins disease. read at XII Annual Conf. of Bombay Hematology Group, Bombay in Feb. 1988.

Dr. S. D. Banavali

Association of Pune cell aplasia with rheumatoid

Dr. S. D. Banavali
Dr. P. M. Parikh
Dr. B. S. Charate
Dr. R. R. Tahiliani

Association of Pune cell aplasia with rheumatoid arthritis and pregnancy at XII Annual Conference of Bombay Mematology Group.

Dr. V. N. Dadkar
Dr. R. C. Khokhani
Dr. H. L. Dhar
Dr. R. R. Tahiliani

Antihypertensive efficacy of captopril (50mg) & role of nifedipine (30mg) in nonresponders : National Council of hypertension 1988, 2, 31-35.

Dr. V. N. Dadkar
Dr. N. D. Moulick
Dr. R. C. Khokhani

Comparison of antihypertensive action of infedipine thrice a day versus twice a day study of 30 cases, Indian Practitioner 1988 Oct. 749-52.

Dr. H. L. Dhar

DEPARTMENT OF SURGERY

Dr. S. R. Karmarkar
Hon. Professor

Leiomyoma of jejunum - A rare case. Prematosis cystades intestinals with multiple jejunal diverticula - a rare case - Indian Practitioner Dec. 88.

Dr. G. V. Acharya
Hon. Professor

Bladder rupture in blunt abd. trauma — Indian Practitioner July 88.

Cryosurgery in condyloma Accumminata - Indian Practitioner Oct. 88.

Leiomyoma of Duodenum-Ind. Pract. Oct. 88.

Dr. P. Anatharam Hon. Asst. Prof.	Leiomyema of jejunum — a case report with brief review of literature.
Dr. A. N. Desai Hon. Asst. Prof.	Pneumatocysts of Jejunum with multiple diverticula.
Dr. R. V. Rao Hon. Asst. Prof.	Bladder rupture in blunt abd. trauma. Indian Practitioner July 88. Condyloma Accuminata cryosurgery Indian Pract. Oct. 88. Leiomyoma of Duodenum-Ind. Pract. Oct. 88., Presented paper at Masicon 89 Dhule Feb. 89.
Dr. (Mrs) M. A. Gore, Reader	Burn injury in children-Indian Practitioner.
Dr. M. V. Lakshmy, Reader	Blunt ceotid injury -case report Ind. Pract.
Dr. D. Nehra Lecturer	Necrotising Fa Scirtis-Indian J. of surgery (accepted for publication)
Dr. Saileshwar Lecturer	Co-author Burns injury in children. Indian Practitioner Dec. 88. Presented paper at SRS SCIENTIFIC MEETING Burns wound infection.
Dr. S. S. Utture Lecturer	Bladder rupture following blunt abd. trauma-Ind. Pract. July 88. Cryosurgery in condyloma accuminata-Indian Pract. Oct. 88. Taken part in symposium at Calcutta & Ahmedabad on research Clavulemic acid potentiated Amoxycillin in surgical infection.
Dr. R. R. Patel Lecturer	Urethral tuberculosis Case report-Ind. Pract.
Dr. P. P. Varty Lecturer	Carcinoma of stomach in childhood-case report Indian Journal of gastroenterology.
Dr. Dr.	Carcinoma of tail of pancreas with hemoperitoneum-Indian Journal of Gastro. Duodenal injuries in blunt abd. trauma Indian J. Surgery. Benign corrosive strictures of stomach-J. of Post graduate medicine.
Dr. M. A. Joshi Lecturer	CT Scan its efficacy and utility in head injury pt.-Indian Practitioner. Leiomyoma of jejunum -A case report- Ind. Pract. Pneumotocyst of intestine with multiple jejunal diverticula case report. Ind. Pract.
Dr. Dewoolkar V. V. Prof. of Surgery	Blunt Intennal carotid artery trauma. Indian Practitioner 1988 Dec. Co-auth. Tuberculosis of the male urethra. Indian Pract. 1988 Dec. Co-author. Completed trial of I. V. "Aminoacid". "Artificial vaginoplasty in a dolescent females."
Dr. T. T. Changlani Prof of surgery	Carcinoma of stomach in childhood-case report - Indian J. of Gastroenterology. Carcinoma of tail of pancreas with hemoperitoneum Ind. J of Gastro.
DEPARTMENT OF SURGERY. Dr. T. T. Changlani Prof. of Surgery.	Duodenum injury in blunt abdomen trauma Indian J. of surgery. Leiomyoma or jejunum-C case report-Ind. Pract.

DEPARTMENT OF GYNACE & OBST.

- Dr. Rummy Patel.
"Why deliver in supine position Annual Conference of the Bombay Obstet. & Gynaec Soc. at Hotel Oberai Towers, June 88.
- Dr. M. A. Gadam.
"A review of 63 cases of Tubal ectopic pregnancy." Second conference of Maharashtra societies of Obstetrics & Gynaecology held at Nasik on Oct. 1st & 2nd, 88.
- Dr. R. H. Shah.
"A preventive Approach to Manage Preterm Labour" Second conference of Maharashtra societies of Obstetrics & Gynaecology held at Nasik on Oct. 1st & 2nd, 88.
- Dr. V. R. Ambiyee.
Dr. Anie Shaikh.
All Maharashtra Obstet & Gybaec conference at Nasik Oct. 88. "Changing trends in Rupture A study of 15 years.
- Dr. V. R. Ambiyee.
Dr. G. A. Allhabadi.
"Active Management of Labour in Previous LSCS" Annual Bombay Obstet. & Gynaec conference held in June, 88
- Dr. V. R. Ambiyee.
Dr. Allhabadia.
"Transcutaneous Electrical Nerve stimulis for Labour Analgesia" All India Obst. & Gynaec conference at Mysore Dec. 1988.
- Dr. P. K. Shah.
Dr. M. J. Fonseca.
Dr. P. R. Vaidya.
Dr. S. C. Shah.
"Ultrasound cephalometry in Indian Pregnant women" 32nd All India Obstet. & Gynaecological Congress on 29th Dec., 88 at Mysore.
- Dr. P. K. Shah.
Gave a talk on "Choice of Pills" 1st Maharashtra state I.M.A. conference on Family Welfare Sept. 88.
"Invited to participate in panel Discussion on Infertility at Ratnagiri, on 20th Nov. 88.
"Undergone training for Microsurgery" F.P.A.I. (Family planning Association of India) in June 88 for 7 days.
"Have been made a member of managing council of Breast Committee." Federation of Obstericial & Gynaecological societies of India.
- Dr. V. R. Ambiyee.
"Chorion Villus sampling (A preliminary) study of 50 cases using new innovative technique & Research Society Meeting L.T.M.M. College, Sion, April 88.
- Dr. V. R. Ambiyee.
"Transcutaneous Electrical Nerve stimulating (Tens) in Labour Analgesia (A preliminary study)" Staff & Research Society of Meeting L.T.M.M. College, Sion Sept. 88.
"Maternity care Monitoring & Development of simple Risk Scoring system. Dec. 88.
- Dr. P. K. Shah.
"A Comparative follow up study of 1017 Cu. T. (200) and 491 Lippes loop insertions" Staff & Research Society Meeting L.T.M.M. College Sion, April, 88.
- Dr. V. R. Ambiyee.
Dr. A. M. Shanbhag.
Dr. V. R. Vaidya.
Hysterectomy In Obstetric Practics. J. Obstet. Gynace India, No. 5, Vol. 38 Page 318, 1988.
- Dr. V. R. Ambiyee.
Vibrating cervical canal Dilator (cervilator) for shortening Injection Abortion Interval in 2nd trimester abortions. Journal of Obstet. & Gynec. of India., No. 5, Vol. 38, Page 282, 1988.

Dr. V. R. Ambiya.
Dr. A. M. Shanbhag.
Dr. G. Allahabadia.
Dr. P. R. Vaidya.

Dr. V. R. Ambiya
Dr. Vaidya

Dr. V. R. Ambiya
Dr. Mrs. M. V. Ambiya
Dr. A. M. Shanbhag
Dr. Patki Amit
Dr. P. R. Vaidya
Dr. P. K. Shah
Dr. P. R. Vaidya
Dr. P. M. Sathe
Dr. S. V. Nadkarni
Dr. Dube

DEPARTMENT OF PEDIATRICS

Dr. M. N. Mehta

Cryocauterization in Management of cervical erosions.
J. Obstet. Gynaec India, No. 5
Vol. 38, Page 604, 1988.

Heart Disease in Pregnancy Medicine and Surgery
Obstetrics & Gynaecology special Issue. Page-11,
May 1988.

Chorion Villus Sampling (A preliminary study with improved transcervical technique and cellculture)
J. Obstet. Gynaec India. No. 6 Vol. 38, 1988.
Intestinal prolapse through vaginal vault
Journal of Obstet. & Gynaec of India, Vol. 37, Page-726, Feb. 88.

Attended & presented papers at the 12th Annual Conference of the Bombay Haematology Group - held at Bombay, on 21st & 22nd February 1988.
Presented paper on "Anemia in the Newborn" at the 1st National Workshop on Neonatal Haematology Oncology and Symposium on Recent Advances in the Management of Haematological disorders in childhood, Bombay June 9-12, 1988.
Invited to present on "Experiences on Pediatric Cholera" at the Interhospital Teaching Pathology Meeting on 10-9-88 at L.T.M.G. Hospital.
"Sago Electrolyte Solution in the treatment of Acute Infantile Diarrhoea."

DEPARTMENT OF PAEDIATRICS

Dr. M. N. Mehta

Dr. S. B. Bavdekar
Dr. Meenakshi N. Mehta

Dr. M. N. Mehta
Dr. Pravin Gaikwad

Dr. A. R. Fernandez
Dr. R. Savargaonkar

Dr. V. Niranjani
Dr. D. R. Daruwala
Dr. V. Shah
Dr. A. Fernandess

Feeding of the preterm Indian Pediatrics 1988
Dr. S. Ganapathy

Dr. A. Fernandes

Presented paper on "Our Experiences On Idiopathic Thrombocytopenic Purpura in Children" at the 25th Annual National Conference of the Indian Academy of Pediatrics held at Jodhpur, October 23rd-27th.

"Childhood Tuberculosis. Problems in Diagnosis and Management. The Indian Practitioner Vol. XLI No. 3, March 1988 P : 191-197.

"Anemia in the Newborn" Printed in the proceedings of the 1st National Workshop on Neonatal Haematology and oncology and Symposium on Recent Advances in the Management of Haematological Disorders held on June 9-12-1988-P 12-22.

"Tuberculous Meningitis in Children"
The Indian Practitioner 1988, Vol XLI No. 3, Pg. 177 184.

Tracheal Agenesis.
Indian J. of Pediatrics 1988 : 55.

Vol. 25, Pg. 548-558.
A study of 121 cases of Forceps and vacuum deliveries Neonatal Outcome. The Bombay Hospital Journal Vol. 30 No. 3, 1988.

Exchange Transfusion/Neonatal Sepsis Bulletin N. N. F. Vol. 2, No. 2 April 1988. Convulsions in the Newborn Indian Pediatrics Special Issue-on Neonatal Emergencies. Management of Blood

**DEPARTMENT OF
PAEDIATRICS**

Dr. Madhuri Kulkarni.
Dr. V. B. Athavale
Dr. Mamta V. Manglani.
Dr. M. R. Lokeshwar
Dr. S. P. Toddywale
Dr. Santosh Puri
Dr. Vidya Awar
Dr. Anand Chablani

Dr. M. N. Mehta

Dr. J. V. Rangnekar

Dr. Rashmi Divekar

Dr. S. P. Toddywala.

Dr. S. Puri, H.

Dr. C. S. Wagle

**WORKSHOPS &
SEMINARS**

**DEPARTMENT OF
CONFERENCES
PEDIATRICS**

Group Incompatibilities Proceedings of Neonatal –
Haematological Workshop.
Resuscitation of the Newborn Pediatric Clinic of
India January 1988.
Feeding of the Preterm Pediatric Clinics of India
October 1988.
Thermoregulation in the Newborn Pediatric Clinic
of India, January 1988.
Haemorrhology in Pediatrics V. S. Agashe, S. R.
Daga, 1st National Symposium on Haemorrhae-
logy December 1988.

Co-editor-special issue on 'Neontology' Pediatric
Clinics of India-April 1988.

Published article on "Febrile convulsions in
Children" An Update in General Practice—Vol 1,
No. 2 March 1988.

Published article and presented paper on
"Developmental disorders in Children" An Update
in Pediatrics—Indian Academy of Pediatrics –
August 1988.

"Respiratory distress in Newborn—paper
presented at "Medical Aspects of Surgical
Problems" organised by J. J. Hospital, Institute
of Child Health. September 1988.

Childhood purpura-special reference on ITP-
study of 60 cases—

Current Problems in Pediatrics Haematology and
Oncology 1988 P. No. 81-93.

Sickle cell train with Hemiparesis presented at
Intercollegiate Paediatric Clinical Meeting and
Monthly Bombay Haematology group meeting.
Non Invasive Diagnostic and Monitoring Techni-
ques in the Neonate, Pediatric Clinics of India
October 1988, Vol. 23 No. 4.

Congenital eventration in newborn—case report.
Mortality determinant's and predication of
outcome in high risk newborns.
Pontaneous regression of bilateral retrobulbar-
Neuroblastoma.

H I V infection in Children-Current problem in
Paed. Haematology Oncology 1988.
Childhood purpura & special reference to ITP/-
study/60 cases.

Childhood purpura special reference to ITP study of
60 cases.

A short textbook of Pediatrics published by Vora
Medical Book Centre, Bombay October 1988.

Monitoring of Neonates-Indore July 1988.
Workshop on Neonatal Nomenclature-Delhi.
August 1988.
Workshop on Neonatal Nursery, Srinagar,
September 1988.
Seminar in Pediatrics, Bombay Wadala.

"Clinical Pharmacology Training Course" held at
L. T. M. G. Hospital, Sion-February 1988.
"International Conference of Pediatric Emergency
Care" held at Bangalore in August 1988.

Dr. Mamta V. Manglani.

Seminar on "Infection Control" on January 21st
22nd 1988 at P. D. Hinduja Hospital.
Participated and helped in organizing 1st National
Workshop, on 'Neonatal Haematology Oncology'
and symposium on 'Recent advances in Haemato-
logical disorders of childhood' June (8-11).
Attended symposium on "Universal Immunization
Programme" on 21st December, organized by
Department of P. S. M., G. S. Medical College.

Dr. J. V. Rangnekar

Attended Mah. Reg. Conference on Controversies
in Paediatrics—Alibag — 18th December.
Seminar on Infection Control. January 21st—22nd
at P. D. Hinduja Hospital.
Participated & assisted in organising 1st National
workshop on 'Neonatal Hematology— Oncology
and Symposium 'Recent advances in Hemato-
logical disorders of child' June 8— 11 at
L. T. M. G. Hospital, Sion, Bombay.
Attend symposium on 'Universal Immunisation
Programme' at KEM Hospital on 21st December.
Attended symposium on "Current Controversies in
Pediatrics' oranized by Bombay Branch of I. A. P.
18th December 1988.
IAP national conference Jodhpur
Symposium on "Nutrition" — Taj Hotel.

Dr. Rashmi Divekar.

PUBLICATIONS

Dr. Mamta V. Manglani
Dr. Lokeshwar
Dr. S. P. Toidywala
Dr. Santosh Puri
Dr. Vidya Awar.
Dr. A. Chablani.
Dr. M. N. Mehta.

Child hood purpura—Special references to
ITP—study of 60 cases.

PRESENTATIONS

DEPARTMENT OF CARDIOLOGY

Dr. J. A. Parikh
Dr. S. P. Pandit
Dr. V. K. Shah
Dr. D. E. Daruwala
Dr. M. J. Gandhi.
Dr. J. A. Parikh
Dr. S. R. Gupta,
Dr. V. K. Shah
Dr. D. B. Pehlajani.
Dr. A. B. Mehta

Dr. M. J. Gandhi
Dr. J. A. Parikh
Dr. J. A. Parikh

Dr. J. A. Parikh
Dr. D. B. Pahlajani
Dr. A. B. Mehta
Dr. M. H. Gandhi

Dr. J. A. Parikh

Current problems in Pediatric Haematology and
Oncology 1988 P. No. 81-92.

Sickle cell trait with hemiparesis presented at
Intercollegiate Paediatric Clinical meeting and
Monthly Bombay Haematology group meeting.

Case Report :
Arhythmicogenic right ventricular displasis—
The Indian Heart Journal Vol. 40 No. 4 1988.

Congenital Diverticulum of left venticle.
The Indian Heart Journal Vol. 40 March—April,
No. 2, 1988.

Review :
Angiotensin converting enzyme Inhibitors
Part I — Captopril The Bombay Hospital Journal
Vol. 30. No. 2 1988.

A case Report :
Amiodarone Induced thyrotoxicosis.

Indian Heart Journal, Vo. 40 No. 4. 1988
Article :
Approach to congenital Heart Disease.
Journal of General Practice 15 : 9-10 1988.
Survivor of Acute myocardial infarction —
Rational approach Journal of General Practice
15:9—10 1988.

Dr. M. J. Gandhi

Vignette in Cardiac : U wave and coronary

Dr. G. R. Kane
Dr. P. Sharma
Dr. A. D. Abhyankar
Dr. J. A. Parikh
Dr. K. Panamiya
Dr. D. B. Pahlajani
Dr. A. B. Mehta
Dr. M. J. Gandhi.

artery disease J. Association of Physician of India 36 : 616, 1988.

Ventricular atrial (A L) Shunt—An unusual cause of severe pulmonary hypertention. Indian Heart Journal 40: 314, 1988 (Abstract).

Dr. J. A. Parikh
Dr. P. Sharma
Dr. M. J. Gandhi

Coronary arteriographic findig soon after non Q wave infarctior Indian Heart Journal 40: 314 1988 (Abstract).

Dr. J. A. Parikh
Dr. V. M. Vijan
Dr. M. J. Gandhi

Pulsed doppler derived idices in predicting non invasively pulmonary arterial pressures.

Dr. A. D. Abhyankar
Dr. J. H. Desai
Dr. J. A. Parikh
Dr. A. B. Mehta
Dr. D. B. Pahlajani,
Dr. M. J. Gandhi

Correlation of mitral valve area obtained by 20 echocardiography with intraoperative valve area.

Indian heart journal 40: 377, 1988 (Abstract.).

Dr. V. K. Shah
Dr. K. A. Vaidya
Dr. D. F. Daruwala
Dr. J. A. Parikh
Dr. B. Gupta,
Dr. M. J. Gandhi.

Submitral ansuryam diagnosed by LV contract echocardiography American Heart Journal 115, 682—684, 1988.

DEPARTMENT OF DERMATOLOGY

Dr. R. G. Valia

'Curable eczema' published in Journal of IADVL—1988.

Research programme on 'Self applied irritants—a study of 200 cases' published in Journal of IADVL — 1988 issue No. Pg. No.

Hand eczema in house wives (Published in same volume 1988) Publication of 'Bacterial eczema' in the same volume 1988.

"2 phases of Keratoacanthoma" in 16th National conference IADVL Culcutta held in January 1988. Participated in the semiar on 'Perspectives and function of Mast cell' on 3rd September 1988, S.P. A. R. Centere Juhu Bombay.

Dr. K. H. Makhijani

DEPARTMENT OF PHYSIOLOGY

Dr. N. A. Dabholkar

Disseminated intravascular coagultion disturbances in carbodhydrate and fat metabolism in acute myocarditis produced by scorpion (Buthus tamulus) venom.

Indian Journal of medical Research 1987 (1988) 318.

Elevation of plasma angiotensin levels by Indian red scorpion (Buthus tamulas) venom and its reversal by Administration of insulin + Tolazoline.

Indian Journal of Medical Research 88 (1988) 376
Reversal of metabolic and electrocardiographic changes in acute myocarditis by administration of insulin, Alpha blocker and sodium bicarbonate. Indian Journal of Medical Research 88 (1988) 450.

Erythrocyte Na—K+ ATPase activity inhibition and increase in osmotic fragility of red cells in experimental myocarditis produced by Indian red scorpion (Buthus tamulus) venom.

Indian Journal of Medical Research 88 (1988) 536.

**DEPARTMENT OF
PHYSIO THERAPY**

Miss. Jyoti Hattangadi
Miss. Rajashree Gokhale

Acute pancreatitis and reduction of Hion concentration in astric secretions in experimental acute myocarditis produced by Indian red scorpion (*Buthus tamulus*) venom. Indian Journal of Experimental Biology. January (1989)*

"Methods of evaluation of finger mobility in flexor tendon repairs".
Assessment of post myocardial Infraction patients with the help of Isometric Exercise.

**DEPARTMENT OF
OCCUPATIONAL
THERAPY**

Mr. S. T. Bhat
Mr. R. Seshadrinathan
Mrs. Deshmukh.

"Somato sensory evoked Potential and Occupational Therapy".

Mrs. N. Joshi

"Effect of Moulded Cervical Collar for burns ptiens.

The above papers are presented at the Annual Conference of A.I.O.T.A. at Kanyakumari.

**DEPARTMENT OF
PHARMACOLOGY**

Dr. H. L. Dhar

Antistress Activity of Oscinum function. Indian Drugs 25 No. 5 (1988) 172-175.

Comparison of antihypertensive action of nifedipine thrice a day versus twice a day. The Indian Practitioner 41 No. 10 (1988) 749-752.

Review Articles:

- (1) Metroridozole—Newer Indication. The Indian Practitioner 41 No. 1 (1988) 33-37.
- (2) Problems encountered in chemotherapy of tuberculosis. The Indian Practitioner 41 No. 3 (1988) 223—227.
- (3) Drugs and sexual dysfunction in urates. The Indian Practioner 41 No. 11 (1988) 785-793.
- (4) Newer Aminoglycosides. The Indian Practioner January 1988.
- (5) Problems encountered in chemotherapy of T. B. The Indian Practioner March 1988.

**DEPARTMENT OF
PHARMACOLOGY**

Dr. H. L. Dhar

- (6) Ototoxic drugs. The Indian Practitioner—May 1988.
- (7) Newer anthelmintics in the Indian Prectitioner January 1988.
- (8) Drug induced oral and dental disorders—The Indian Practioner July 1988.
- (9) Occupational exposure and male productive disorder — In Indian Practitioner Nov. 1988.
- (10) Studies of P. F. T. in medical students. Papers presented in XIV Maharashtra Pharmacologist Conference August 1988 at Loni.
- (11) Anti asthmatic activity of Nifedipine. Papers presented in biolmonthly Scientific Meeting at S.R.S. in April 1988.
- (12) Attended work shop on clinical pharmacology. Publication held in L.T.M.M.C. February 1988.
- (13) Effect of supplementation of nifedipine (20mg) in hyper tensive patients not responding to low dose captopril (50mg.) theory. In 43rd Annual Conference of the Association of Physicians of India, Pune, January 1988.

- (14) Blood pressure pattern and study of some biochemical and physiological tests in every subjects with family history of hypertension. In 1st Congress of Asian Federation of Clinical Pharmacologists, Lucknow November 1988.
- (15) Double blind trial of Abana and Methly Dopa for Monotherery of hyperension in Indian patients.

DEPARTMENT OF MICROBIOLOGY Dr. Lina Deodhar Prof. & Head of the Dept.

Dr. Deodhar Lina

Dr. Alka Gogate

Dr. Alka Gogate

Dr. Alka Gogate

Dr. Deodhar Lina

Dr. Sharead Gogate

DEPARTMENT OF PLASTIC SURGERY Dr. R. L. Thatte Hon. Prof. & Head of the Dept.

Dr. S. N. Deshpande

Dr. S. R. Jagtap

Dr. R. L. Thatte

Dr. Sanjeev N. Deshpande

Dr. Ravin L. Thatte

Dr. Shrirang Purohit

Dr. Samir M. Kumta

Dr. P. P. Rao

Dr. Ravin L. Thatte

Dr. Samir M. Kumta

Dr. Ravin L. Thatte

Dr. Mukund R. Thatte

Dr. R. L. Thatte

Paper presented in Joint Annual Conference of Cardiological Society and Association of CV surgeons of India, New Delhi, November 1988.

(16) Adverse drug reaction study of Synthopen.

Paper presented at oral session at the XXI Annual Conference of I. P. S. held at Hyderabad in December 1988.

(17) Quantitative and qualitative evaluation of Alpha adrenoceptor Blocking action of Blue tetrazolium.

Annual Conference, Indian Pharmacological Society, Hyderabad, December 1988.

(18) Attended National Conference of I.P.S. at Hyderabad and presented a paper "L Thyroxine in premature babies with RDs in oral session. December 1988.

Attended 7th International Congress of the International Organization for Mycoplasmaology hold at Baden near Vienna, Austria from June 2nd to 9th 1988.

(i) Convener for session "Future needs in diagnosis of human mycoplasma infection".

(ii) Participation Poster presentation :

(a) Isolation of *Acholeplasma laidlawi* from female genital tract.

(b) Measurement of Ig G antibody to *U. urealyticum* and *Chlamydia trachomatis* by ELISA in pts with NGU.

(1) Symposium presentation — Mycoplasma pelvic inflammatory Disease.

(2) Poster presentation:—

Isolation and significance of *Ureaplasma urealyticum* in the study of placons.

Following papers have been presented in the 23rd National Conference of Association of Plastic Surgeons of India.

(1) Deepithelialised turn over flap.

(2) A Case Report—A case of chest wall deformities with polymastia with absence of part of the lung.

(3) Nasendoscopy — its use in the Management of velopharyngeal insufficiency.

(4) Aglossia—Adactyly syndrome A case report—

(5) Persistent Nasal Placodes and Pites—A rare case—

(6) Theoretical Mathematical calculations, static and dynamic computer tracer studies and vital dye staining to ascertain the mode of survival of one sided venous flap—

(7) A manoeuvre to locate the distal urethral opening at the tip of the glans in the final stage of Cecil—Culp Urethroplasty—

RESEARCH

DEPARTMENT OF MEDICINE

(1) Antral campylobacter in chronic D. U., G. U. and Gastritis—1st study in India — on going.

(2) Status on zinc and other trace elements in Alcoholic liver disease. on going.

(3) Blood group secretor status in patients with D. U./G. U. gastritis & duodentis.

(4) Clinical trial of new H₂—receptor antagonist, famotidine, in D. U./G. U.

(5) Long term follow up of HBs Ag status in patients with Liver disease.

(6) Long term follow up of patients chronic D. U. with campylobacter pylori injection.

DEPARTMENT OF Dr. (Mrs.) M. A. Gore SURGERY Reader

(1) Surveillance of Burn ward for hospital infection-SRS Bimonthly scientific meeting.

(2) Conducted controlled trial of Certazidine Vs routine antibiotics in Burns.

DEPARTMENT OF ANAESTHESIO- LOGY.

(1) Animal experiments—Effect of direct tracheal instillation of halothane on pulmonary & other vital organs.

(2) Ketamine HCL as a sole anaesthetic agent in vaginal hysterectomy.

(3) Priming of non-depolarizers to accelerate the neuromuscular block for intubation.

(4) Buprenorphine in post operative pain relief.

(5) Management of diabetic patients undergoing surgery with I. V. micro infusion of insulin.

(6) Study of arterial cannulations.

(7) Labour analgesia using TENS.

(8) Pain relief after surgery on spine.

(9) Sterilisation of endotracheal tubes.

(10) Blood loss in patients undergoing cleft lip and palate repair.

(11) Comparative study of regional Vs. General anaesthesia for surgery of lower limb fractures in elderly patients.

(12) Pulmonary function tests of patients with respiratory disease and its correlation with post operative pulmonary.

DEPARTMENT OF Dr. R. L. Thatte PLASTIC SURGERY

A manoeuvre to locate the distal urethral opening at tip of the glans in the final stage of cecile —Culp urethroplasty — British Journal of Plastic Surgery.

Dr. S. N. Deshpande
Dr. Mrs. S. R. Jagtap
Dr. Ravin L. Thatte

An unusual case of chest wall deformities with polymastia with absence of part of the lung—British Journal of Plastic Surgery.

Dr. S. K. Purohit

Alopecia—Adactyly syndrome —A case report—

Dr. S. M. Kumta
Dr. P. P. Rao
Dr. R. L. Thatte

British Journal of Plastic Surgery.

Dr. S. N. Deshpande

Nasendoscopic evaluation of the velopharyngeal sphincter in cleft palate patients — Indian Journal of Plastic Surgery.

Workshops & Symposia

Dr. S. N. Deshpande
Dr. D. L. Patil

Workshop on "Research in Burns" held at the Wadala Children's Hospital in Bombay.

Dr. S. N. Deshpande

Sefto Rhinoplasty Workshop held at the G. T. Hospital, Bombay.

Dr. S. K. Purohit
Dr. S. M. Kumta

Workshop on Burns held at Chandigarh.

Dr. S. K. Purohit
Dr. S. M. Kumta

Head and Neck workshop held at J. J. Hospital, Bombay.

DEPARTMENT OF BIOCHEMISTRY

Disseminated intravascular coagulation and disturbances in carbohydrate and fat metabolism in acute myocarditis produced by scorpion (*Buthus tamulus*) venom.

Modulation of glutathione transferase activity in human lymphocytes in health and disease.

Dr. S. S. Pathak

Medical Science Research Vol. 16, April 1988. Study of isoenzymes in thyroid disorders" a paper was presented at Hongkong in IV Asian Pacific Congress of Clinical Biochemistry.

"Study of isoenzymes in alcoholic cirrhosis" a paper was presented XIV conference of Association of Clinical Biochemistry of India.

Miss Bina Lobo

"Lipid Composition of Breast milk" a paper was presented at Udaipur in XIV conference of ACBI.

Miss Kulwant Lamba.

"Heat stable Alkaline Phosphatase in pregnancy" a paper was presented at Udaypur in XIV ACBI conference.

DEPARTMENT OF NEUROSURGERY

Dr. P. S. Ramani

A Book on "Pain in the Neck" was published.

DEPARTMENT OF ANATOMY

Dr. M. J. Dhakan
Dr. S. J. Kashalikar

"Effect of olfactory system on Immunity and its development" hypothesis".
—nary complication.

DEPARTMENT OF PLASTIC SURGERY

Dr. Samir M. Kumta

(1) Simultaneous use of the external fixator and flap cover in the management of soft tissue losses in extremities.

Dr. Shrirang Purohit

Role of Formalin vapours in the management of Burn wounds.

Dr. Nitin Mokul

Use of various dressing materials in the management of skin graft donor areas —

Dr. Sanjeev Deshpande

Nasendoscopy — Its use in the management of velopharyngeal insufficiency in cleft palate patients.

Dr. D. L. Patil

A Dynamic screw splint in the management of Burn contracture.

	Dr. M. R. Thatte.	Venous flap—their behaviour and various clinical applications.
DEPARTMENT OF BIOCHEMISTRY	Dr. Gretha Krishnamoorthy.	A pilot study on Rotavirus infections in children from Dharavi area was conducted.
	Miss Lobo	Clinical trials of Guglip on Hypertepidemia and Hyper cholesterolemic patients.
	Mrs. Kudalkar	Study of I g E levels in allergic conditions in collaboration with ENT deptt.
DEPARTMENT OF PHYSIOLOGY		(1) Effect of high fibre diet on Glucose Tolerance of undergraduate, overweight healthy students.
		(2) Effect of large doses of ascorbic acid on clotting time & euglobin clot lysis time in normal healthy men.
		(3) Effect of vagotomy on release of insulin occurring in response to glucose load.
		(4) Effect of injection of Vit D on glucose, insulin and calcium levels in diabetics.
DEPARTMENT OF MICROBIOLOGY	Dr. Lina Deodhar	(1) 'A study of bacterial entero pathogens in patients with acuto diarrhoea'.
	Dr. Lina Deodhar Dr. Alka Gogato	(2) I C M R Project on "Study of ureaplasma urealyticum from male genital tract infections and detection of specific antibodies to U. Urealyticum Serotypes by ELISA".
	Dr. Alka Gogate Dr. Lina Deodhar	(3) I C M R Project on "Study o Mycoplasmal female genital tract infections with special reference to Immuno fluorecence.
DEPARTMENT OF MICROBIOLOGY	Dr. Daksha Pandit	I C M R Project on "The role of G. Vaginalis. in nonspecific vaginosis". Sanctioned from September 1987.
	Dr. Uma Tendolkar Dr. Daksha Pandit	I C M R Project on 'Isolation and Identification of species of actionomycetes from clinical specimons'. Sanctioned from December 1987.
DEPARTMENT OF DERMATOLOGY		(1) Comparative study of GLOBETASOL PROPINATE and BETAMETHASONE DIPROMATE in steriod responsive dermatoses — glindia Ltd.
		(2) Clinical trial of "Juhicreme" in Acne Vulgaris—Lupin Laboratories Ltd.
		(3) Double blind study of Predicarbate (o.25%) and Betemethasome Valerate (o.1%) in patients of steriod resopnsive dermatoses: —Hoechst India Ltd.
		(4) Manjishtha in teatment of Psoriasis. (alm collaboration with Dr. Dadkar, Prof./- Pharmacology dept.)
		(5) Study on Gardernella vaginalis vagiitis with collaboration of Microbiology Dept.
		(6) Microbiological aspect of cases of urethritis with collaboration of Microbiology Dept.
DEPARTMENT OF PSYCHITRY		(1) Psycho—Social Aspects of Schizophrenia.
		(2) Drug Addictions—a detail study of Brown Sugar.
		(3) Psycho—somatic aspects of Backache.
		(4) Study on Psychiatric patients by accupuncture was done throught Pharmacology Deparment. The patients with Depression, Brown Sugar cases and cases of tention, headache.
		(5) Psychiatric study of ACNC.

CONFERENCES

DEPARTMENT OF PEDIATRICS

"Clinical Pharmacology Training Course" held at L. T. M. G. Hospital, Sion, in Feb. 1988.

"International Conference of Pediatric Emergency Care" held at Bangalore in August 1988.

Seminar on Infection Control. January 21st—22nd at P. D. Hinduja Hospital.

CONFERENCES ATTENDED

DEPARTMENT OF PAEDIATRICS

Participated & assisted in organising 1st National Workshop on 'Neonatal Hematology—Oncology and Symposium 'Recent advances in Hematological disorders of childhood' June 8-11 at L. T. M. G. Hospital, Sion, Bombay.

Attend symposium on "Universal Immunisation Programme" at KEM Hospital on 21st December.

Attended symposium, on 'Current Controversies in Pediatrics' organised by Bombay Branch of I. A. P. 18th December 1988.

IAP national conference—Jodhpur.

Symposium on "Nutrition" Taj hotel.

DEPARTMENT OF GYNAEC & OBSTET.

Dr. Romy Patel

Annual Conference of the Bombay Obstet. & Gynaec society at Hotel Oberai Towers, June 1988.

Dr. M. A. Gadam

Second conference of Maharashtra societies of Obstetrics & Gynaecology held at Nasik on October 1st & 2nd 1988.

Dr. R. H. Shah

Do.

Dr. V. R. Ambiyee
Dr. Allhabadia

Annual Bombay Obstet. & Gynaec Conference held in June 1988.

Dr. V. R. Ambiyee
Dr. Anis Sheikh

All Maharashtra Obstet. & Gynaec. conference at Nasik October 1988.

Dr. V. R. Ambiyee
Dr. Allhabadia

All India Obstet. & Gynaec conference at Mysore. December 1988.

Dr. P. K. Shah
Dr. M. J. Fonseca
Dr. P. R. Vaidya
Dr. S. C. Shah

32nd All India Obstet. & Gynaecological Congress on 29th December 1988 at Mysore.

Dr. P. K. Shah

1st Maharashtra state I. M. A. conference on Family welfare September 1988.

Dr. P. K. Shah

I. M. A. Maharashtra state conference at Ratnagiri, on 20th November 1988.

Dr. P. K. Shah

F. P. A. I. (Family Planning Association of India) in June 1988 for 7 days.

Dr. P. K. Shah

Federation of Obstetrician & Gynaecological societies of India.

Dr. V. R. Ambiyee

Staff & Research Society Meeting L. T. M. M. College, Sion April 1988.

**DEPARTMENT OF
GYNAEC &
OBSTET.**

Dr. V. R. Ambiyé

(13) Staff & Research Society Meeting L. T. M. M. College Sion, September 1988.

Dr. V. R. Ambiyé

(14) Staff & Research Society Meeting L. T. M. M. College Sion, December 1988.

Dr. P. K. Shah

(15) Staff & Research Society Meeting L. T. M. M. College Sion, April 1988.

**DEPARTMENT OF
ANAESTHESIOLOGY**

Dr. S. H. Pantvaidya

"National Symposium on Trauma" at Jaipur in January 1988.

Dr. S. H. Pantvaidya

International Congress on Coronary Heart Diseases in February 1988.

Dr. K. K. Golam

Dr. K. S. Jagger

Dr. Pantvaidya

The 37th Annual Conference of Indian Society of Anaesthetists held at Udaipur in Dec. 1988.

Dr. K. K. Golam

Dr. S. R. Jagtap

Dr. L. D. Naik

The Maharashtra Anaesthesia Conference held at K.E.M. Hospital in April 1988.

Dr. K. S. Jagger

Dr. H. R. Iyyer

Demonstration on "Cardiac Arrest" to general Practitioners at Jaslok Hospital in February 1988.

**DEPARTMENT OF
ORTHOPAEDICS**

Dr. N. S. Laud

AO International at 6th Maharashtra State Orthopaedic Association Meeting held in January 1988.

AO International Berne, Switzerland in August 1988 at Bombay Hospital.

Faculty member at Basic AO Course held in Delhi in August, 1988.

As Co-Ordinatory for symposium on Polytrauma in 40th year celebrations of SMS Medical College, Jaipur in March, 1988.

**DEPARTMENT OF
OPHTHALMOLOGY**

All India Ophthalmic Conference Bombay.

Ahmedabad Academy on Myopia and refractive surgery.

Workshop on laser and vitreoretinal surgery.

Workshop on IOL and kerato refractive surgery Organised Clinical meeting of Bombay Ophthalmic Association at L. T. M. M. College.

Workshop on Intraocular lens Microsurgery Rotary Eye Foundation, Amritsar.

Our Team took part in Ophthalmic Quiz organised by All India Ophthalmic Association and by Bombay Ophthalmic Association.

Lecture of Ophthalmic Photography at Bombay Ophthalmic Association Bombay.

**DEPARTMENT OF
CARDIOLOGY**

Dr. V. M. Vijan

Joint Annual Conference of C. S. I. & A. T. C. V. S. I. at New Delhi, November 1988.

Dr. D. B. Pahlajani

Dr. A. B. Mehta

Dr. M. J. Gandhi

Dr. G. R. Kane

Dr. A. Abhyankar

Dr. K. K. Punamiya

Dr. J. Desai

Dr. J. A. Parikh

Dr. R. Mehta

**DEPARTMENT OF
PHYSIOLOGY** Dr. V. D. Joshi
Dr. P. Balsubramaniam
Dr. K. R. K. Murthy
Dr. L. N. Joshi

Annual Conference of the Association of
Physiologists and Pharmacologists of India
at Poone from 27th December to 29th Dec. 1988.

**DEPARTMENT OF
UROLOGY** Dr. S. D. Bapat

Dr. S. D. Bapat

International Society of Urology held at Buenos
Aires Argentina from 8th Oct. to 16th Oct. 1988.
Annual Conference of American Urological
Association held in USA.

GUEST LECTURES

**DEPARTMENT OF
MEDICINE** Dr. S. A. Nanivadekar

Newer Therapeutic modalities in Gastroenterology
and prospects of new drugs. 26th March, 1988.
A. S. Paranjpe Symposium, Seth G. S. Medical
College.

**DEPARTMENT OF
PEDIATRICS**

Invited to give lecture on 'Neonatal Bleeding' of
the annual Postgraduate teaching organized by
the Tata Memorial Hospital and the Course
of Haematology Bombay Haematology Group
on 15-2-1988 at Tata Memorial Hospital, Bombay.

**DEPARTMENT OF
PLASTIC SURGERY** Dr. R. L. Thatte

Invited on the faculty at the workshop on
SeptoRhinoplasty at GTI

Dr. R. L. Thatte

Delivered guest lecture at the meeting of
Indian Medical Association of Raigad District
at Panvel.

Dr. R. L. Thatte

Delivered guest lecture at the meeting of
Association of Beauticians of India at Bombay.

Dr. D. L. Patil

Delivered a guest lecture at the Indian
Medical Asson. meeting at Jalgaon.

**DEPARTMENT OF
NEUROSURGERY** Dr. P. S. Ramani

Gave CME lecture at All India Neurological
Conference at Chandigarh.

**DEPARTMENT OF
DERMATOLOGY**

Guest lecture on 'Curable Eczema'—Annual
conference of IADVL Delhi Branch 1988, Delhi.

Guest lecture on 'Curable Eczema' Annual
conference of IADVL 1988, Andhra Pradesh
Branch on 10-12-1988 at Hyderabad.

Guest lecture on 'Curable eczema' in I.M.A.
Amarawati Branch in October 1988.

HONOURS/AWARDS

**DEPARTMENT OF
PEDIATRICS**

Reappointed for the Second time as the convenor
of the Bombay Chapter of the Nutrition Society
of India.

Continued as Project Director for the International
Research Project on Injectable Versus Oral
Polio Vaccine Project.

Continued as convenor of sub-committee on
Child Abuse & Neglect & Child Labour" Indian
Academy of Pediatrics.

Executive Committee member Indian Society of
Haematology & Blood Transfusions.

**DEPARTMENT OF
PLASTIC SURGERY**

The Glaxo Award for 1988 has been awarded to Dr. M. R. Thatte for his work on venous flaps.

Dr. S. N. Deshpande has been offered International Fellowship (A cash award of Rs. 10,000/-) by the Association of Plastic Surgeons of India for Training in Cranio Facial Surgery at the South Australian Cranio-Facial Unit, Adelaide.

**DEPARTMENT OF
DERMATOLOGY**

Awarded Dr. Ambadi oration in Annual Conference of IADVL Calcutta, 1988.

**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
GYNÆC	—	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 1987 & 1988.

Sr. No.	Name of the department	In-Patients		Out-Patients	
		1987	1988	1987	1988
1	Medical	11860	12424	48346	54494
2	Surgical	9725	9303	50004	45806
3	Ophthalmic	982	1372	7878	10497
4	Gynaec	1502	1440	7669	8295
5	Dental	NIL	...	8377	8719
6	Skin & V. D.	203	214	9237	9319
7	E. N. T.	1709	1818	10657	10077
8	Orthopaedics	2845	3120	19876	17361
9	Psychiatrics	749	749	2261	1966
10	Neuro Surgery	360	474	718	639
11	Pediatric Medical	7599	8294	25190	36290
12	Paediatric Sugical.	...	1682	...	...
13	Obstetrics	8589	10206	8581	8028
14	Plastic Surgery	620	853	568	45
15	Cardiology	1429	1696	579	593
16	Cardio Vascular thoracic Surgery	271	316	271	510
17	Urology	494	609	720	557
18	Gastro Intestinal	Nil.	...	199	252
19	Haematology	---	---	---	---
20	Chest Clinic	Nil.	---	64	---
21	D. U. H.-C. Medical	---	---	8185	---
22	D. U. H. C. Paed. Medical	---	---	10827	---
23	Remained on the lastday of pre. year.	956	1013	---	---
TOTAL :		50,290	55,583	220207	213448

(B) Results of Treatment

Hospital	Expired	Cured	Releved	Otherwise	Delivery
L. T. M. G. Hospital & Annapurnabai Deshmukh Hospital for women.	4239	10,138	25,779	14,359	6880

(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
1,758	655	1,826	4,239

Appendix No. V

Donation above Rs. 500/- from 1-1-1988 to 31-12-1988.

Serial No.	Rt. No.	Name of Donars	Particulars	Amount
1.	30314	M/s. Medical Marketing Consultant	P. B. F.	2,000.00
2.	30360 to 30400 & 31201 to 31226	Medical Students	P. B. F.	1,625.00
3.	31280	Bhojwani Trust	For Pt. Eknath	6,00,00
4.	31294	M/s. Zandu Pharmaceutical Ltd.	P. B. F.	751.00
5.	33253	B. R. Enterprise	For Insulin Injection	1,000.00
6.	34676	Parents of Deaf Children	Deaf School of LTMG Hospital	1,277.00
7.	37723	Hingorani	For Pt. Foot Project	700.00
8.	4636	Y. A. Fazalbhai	For C. V. T. S. Pt.	3,000.00
9.	8848	D. S. Vora	For Kidney Pt.	2,500.00
10.	8849	Jatin Bhai	Do.	2,500.00
11.	13490	Lions Club-Pantnagar	For Welfare Project	6,325.00
12.	17427	Parents of Deaf	For Deaf Children	1,035.00
13.	21305	Bhojwani Trust	For Pt. Dhruv Beheta	600.00
				23,913.00

APPENDIX No. VI

DAILY EXPENDITURE ON IN-PATIENT-AND OUT-PATIENT

Year	Diet	Medicines Drugs and Equipments	Store and Linen	Miscellaneous	Repairs to Building & Maintenance	Establishment	Total
	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.
IN-PATIENT							
1987-88	5.72	24.07	7.52	13.32	8.54	115.05	174.22
1988-89	7.86	24.66	8.69	15.06	9.19	128.83	194.29
OUT-PATIENTS							
1987-88	---	4.24	1.14	2.34	2.31	20.28	30.71
1988-89	---	4.33	1.52	2.64	1.61	22.61	32.71

APPENDIX No. VII

Performance Targets and Achievements for the year 1988.

Sr. No.	Activity Name	Out-patients	In-patients	Out-patients	In-patients
1)	Admn. & Gen.				
2)	Medicine	52,646	12,424	44,031	11,070
3)	Surgical	51,776	11,651	42,802	12,995
4)	Gyn. & Obst.	31,519	7,745	21,591	8,500
5)	Padiatrics	31,519	7,745	21,591	8,500
6)	Casualty	32,892	...	32,484	...
7)	Orthopaedics	20,872	2,964	19,599	2,942
8)	E. N. T.	11,185	1,637	10,077	1,799
9)	Ophthalmic	8,440	1,100	9,033	1,372
10)	Skin & V. D.	11,022	206	9,319	233
11)	Psychiatrics	2,683	820	1,966	749
12)	O. P. P. T.	96,612	2,68,692	69,012	2,05,740
13)	Dental	14,559	...	8,719	...
14)	Dispansary	3,04,732	...	3,03,863	...
15)	Social Service	30,733	...	28,885	...
16)	Paying Ward	...	1,371	...	1,274
17)	Radiology	...	1,35,760	...	1,59,904
18)	Blood Bank				
	i) Collection of blood	...	9,490	...	9,670
	ii) Bottles Issued	...	7,587	...	8,312
19)	Pharmacy	Manufacturing of injectable vials suspended for the want of adequate facilities since April 1984 by F. D. A.			
20)	E/Ward/Accidental Service				
	i, Patients Admitted	..	2,214	...	2,811
	ii) Calls Received	...	45	...	55
21)	Lab. Service				
	No. of Investigations	...	4,51,274	...	5,69,409
22)	Anaesthesiology (No. of patients)	...	28,003	...	27,255
23)	Operation Theatre (No. of operation performed)	33,688	27,754	34,654	23,300
24)	Cordiology	577	1,455	516	1,695
25)	Municipal staff given Medicines & drugs	28,946	...	25,419	...
26)	Ambulance Service	...	...	...	...
27)	Nursing School	...	265	...	257

THE NAIR HOSPITAL DENTAL COLLEGE, BOMBAY — 8.

HIGH LIGHTS.

Dr. D. R. Shahani, held the post of Dean, Prof & Head of the Deptt. of Conservative Dentistry during the year 1988-89 i.e. from 1-4-1988 to 31-3-1989. 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. Shahani, Dean, received an award from Asian Pacific Federation for his contribution towards Dental Education research and his services in Community Dentistry. He was also awarded by the Federation of Operative Dentistry and Fellow of International College & Dentist for his contribution in Dental Sciences. Dr. Shahani organised various national conference through N. H. Dental College during the year under report and the participation of the staff and students of N.H.D.C. brought great honour to the Institution. All Heads of Departments took great interest in organising National Conferences in their own speciality which brought honour to the Institution.

Dr. Shahani being active member of Dental Council of India has participated greatly in promoting Dental Education throughout the country, many staff members of the Institution were invited as Inspectors of D. C. I. to inspect different Dental Colleges in the country and advised the Council and Colleges in promoting Dental Education, research and patient care. Refreshers Course in different specialities were conducted at N.H.D.C. during the year under report.

The college and Hospital has been progressively expanding to include various specialities. There is separate Research Endowment through which three research projects have been carried out during the year under report.

The Department of Prosthetics, Conservative Dentistry, Orthodontics, Pedodontics, Oral Surgery conducted Refresher's Courses in Clinical Work for the benefit of the members of different association which were largely attended by most of the teaching staff of other Institution of the country and this brought honour for the Institution.

A 3 days workshop on Maxillofacial Surgery in Co-ordination with J. J. Hospital was organised by Dr. J. N. Khanna, Prof. & Head of Department of Oral Surgery which was attended by many renown plastic Surgeons and E. N. T. Surgeons of the country. Foreign dignitaries too participated in this workshop.

Several Dental Health education programmes in the Community were organised through the Department of Periodontics and Pedodontics in the slums of the city where regular Dental Care cannot reach.

A mobile dental van for rendering Dental Health Services in the most remote areas in the city continued its work during the year under report. Many Dental Camps were organised during the year under report through voluntary organisation like Lion's Club, Rotary Club etc. The scientific papers were published, research work was conducted by the staff and students of this Institution as detailed in Appendix 'K'.

PATIENTS TREATED :

2,05,865 patients were treated in different departments of this Institution during 1988-89 and the daily average was 686 patients. Total income and expenditure incurred for patients care and treatment for the year under report was respectively Rs. 12,05,008/- and Rs. 12,68,417.90, as against the income of Rs. 8,93,403.69 and Expenditure Rs. 10,68,244/- last year. The total budget provision of Rs. 1,23,98,630/- was made in the Budget Estimates for 1988-89 for meeting the entire expenditure of this institution including Establishment Cost.

STUDENTS SECTION :

UNIVERSITY EXAMINATION RESULTS.

Examination	Total Nos. of students appeared.	Total Nos. of students passed.	Total Nos. of students appeared.	Total Nos. of students passed.
	April 88	April 88	Nov. 88	Nov. 88
I. B. D. S.	58	53	09	08
II B. D. S.	51	49	13	11
III B. D. S.	64	49	26	16
IV B. D. S. 1st Sem.	18	15	55	44
IV B. D. S. 2nd Sem.	38	36	18	18
Total	229	202	221	97
I. M. D. S.	19	19	—	—
II M. D. S.	10	09	09	09
Total	29	28	09	09

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.

VISITORS :

Some of the foreign dignitaries, namely, Dr. Mohan Thoms from Newyork, Dr. S. M. Katrak and Dr. K. E. Torel visited this institution and gave lectures to our staff & students during the year under report.

The following foreign dignitaries have also visited this institution during the year under report :—

- (1) Dipl-ing Peter Gulder Director Seminars.
- (2) Dr. Eino-Honkala : Prof. of Community Dentistry Tuhimbilli Medical Centre.
- (3) Dr. Risto Puomimer : Prof. of Public health Dentistry Tansania.
- (4) Dr. Keikki—Tuutti :
- (5) Prof. Chad Gehani, Chief of Education flushing Hospital New York.

The college also had arranged exchange of student education programe and two students from London University had undergone observation Course during the year under report.

HOSTEL :—

28 boys and 31 girls took advantage of the Nair Hospital Dental College Hostel which is at Haji Ali.

Library :

During the year 320 books were added to the collection. There are 8814 books in the Library. Currently, the Library Subscribes about 77 Perodicals, titles in addition to the complimentary periodicals and some college magazines. The Library holds 275 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, kavow. Germany make 32 numbers alongwith 18 Durr W. Germany make Air Compressors. 167 Dental Chairs, 80 Table Model Dental Engines, W & H Austrian and Japnese 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-78 Cryosurgical System Unit. There are 7 Dental X-Ray Units, viz., Super Practix X-Ray Unit, Siemens Dignostics X-Ray, 'Klinescope' Unimax X-Ray Unit, Siemens Heliodont-60, Siemens Heliodont-70, Siemens Status X-Ray and Orthoceph 10 X-Ray Unit, W. Genrmany make has been added facilitate panoramic radiography.

Recently, Jelrus Porcelain Furnace with Vucast Induction Casting Machine with relevant accessories was added to produce porcelain with bonded metal restovation.

All the Clinical depts of the college have been renovated Additions & alterations have been carried out. 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 4694 Patients (3011 male & 1137 Female & 546 children 4694). The college has been given uplift in introducing latest modern equipments. All the equipments are put to function through repairs or by way of replacement.

The staff engaged for different services in this college are 1) Dental-80, 2) Para-Medical-58, 3) Medical-26 4) Non-Medical—219.

Resume of work done in the College.

The total number of dental out patients treated in different clinics was 2,05,665 including School children from the various Municipal Schools in the morning as well as in the evening clinics which includes 1,08,376 Males, 65,896 Females and 31,793 children in addition to the above patients, 6068 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 appendix 'A' to 'L' attached herewith.

During the year, 208 dental camps were arranged by the institution in different parts of Greater Bombay

84/-

Dr. D. R. Shahani
Deen,

Nair Hospital Dental College.

APPENDIX 'A'

Summary of yearly Report of the Clinical work from 1-4-1988 to 31-3-1989.

Sr. No.	Description.	Total No
1.	New Patients.	97,672
2.	Old Patients.	1,08,193
3.	Total Patients.	2,05,865
4.	Male.	1,08,376
5.	Female.	65,696
6.	Children.	31,793
7.	Silver filling.	10,450
8.	Root canal filling.	1,479
9.	Gold Inlays.	—
10.	Fixed Bridge.	—
11.	Jacket Crown.	721
12.	Scaling.	15,705
13.	Gingivectomy & Gingiveplasty.	262
14.	Extractions.	38,679
15.	3rd Molar Impaction.	388
16.	Surgical treatment for	
a).	Cyst.	40
b).	Fracture of Jaw.	—
c).	Cold well luc.	8
d).	Hemimandibalectomy & Osteotomy.	9
e).	Cleft Palate.	13
f).	Cleft lip.	—
g).	Condylectomy—	36
h).	Tumours.	—
i).	Maxilectomy.	13
j).	Plastic Reconstructive surgery.	—
17.	Transplantation of the teeth.	—
18.	Replantation of the teeth.	2
19.	X-ray	4,600
20.	Fixed Appliances for Ortho treatment.	183
21.	Removal Appliances Ortho treatment.	206
22.	Full Dentures.	812
23.	Partial Dentures.	1,132
24.	Operations under G. A. cases.	295
25.	Operations under L. A. cases.	385
26.	Extra Oral films.	2,264
27.	Intra Oral films.	12,352
28.	Occlusal films.	84
29.	Panagraph films.	—
30.	Child films.	—
31.	O. P. G.	1,168
32.	Total Collection.	7,01,372.60
33.	Free cases.	7,981.00
<hr/>		
X-Ray film Account.		
1.	Intra Oral Films.	5,542
2.	Extra Oral Films (6½" 8").	2,264
3.	Extra Oral Films (8" x 10").	1,115
4.	Panographs.	5,542
5.	Occlusal Films.	84
6.	O. P. G.	575
7.	No. of Patients.	—

APPENDIX 'B'.

DEPARTMENT OF ORAL SURGERY

Yearly Clinical Report from 1-4-1988 to 31-3-1989.

Sr. No.	Particulars.	Total
1.	New Patients.	1,495
2.	Old Patients.	6,570
3.	Total patients.	8,065
4.	Male	5,693
5.	Female	2,234
6.	Children.	138
7.	Check-up done.	4,997
8.	X-Rays.	1,260
9.	Sutures removed.	382
10.	Dressing.	279
11.	Teeth Ext.	761
12.	Wiring.	105
13.	Blood urine exam.	479
14.	Abscess Incise.	62
15.	Alveolectomy.	25
16.	Apicectomy.	28
17.	Aurioplasty.	8
18.	Arthroplasty.	8
19.	Biopsy.	85
20.	Bone Graft.	18
21.	Bilateral ankylosis with rib graft.	36
22.	Cyst.	31
23.	Closure of oroantral fistula.	8
24.	Curettage of E. O. sinus.	7
25.	Caldwell Luc.	8
26.	Condylectomy.	36
27.	Curettage.	11
28.	Division of D. P. flap.	5
29.	Ext. of supernumerary.	6
30.	Excision of epulis.	9
31.	Exoision of soft tissue.	8
32.	Exploration.	23
33.	Emineotomy.	13
34.	Impaction.	274
35.	Fracture.	92
36.	Frenectomy.	3
37.	Fibrous dysplasia.	3
38.	Gland excision.	14
39.	Hemimandibulectomy.	9
40.	Mandibulectomy.	2
41.	Neurectomy.	16
42.	Osteotomy.	53
43.	Reduction of nasal fracture.	7
44.	Repair of cleft plate.	13
45.	Repair of Hare lip.	2
46.	Repair of the lip.	—
47.	Resuturing.	5
48.	L. A. Cases.	385
49.	G. A. Cases.	295
50.	Rupees.	99,768.60
51.	Free.	380
52.	S. M. F.	12
53.	Removal of Bone plate.	13
54.	Rhinoplasty.	10
55.	Maxilloctomy (Partial).	13

APPENDIX 'B'

DEPARTMENT OF EXODONTIA

Clinical yearly Report from 1-4-1988 to 31-3-1989

Serial No.	Description	Total
1.	New patients.	22,829
2.	Old patients.	21,466
3.	Total patients.	44,295
4.	Male.	34,086
5.	Female.	10,209
6.	R. C. Filling.	—
7.	Consulation.	5,707
8.	Prescription.	5,447
9.	Teeth Ext.	28,095
10.	Apicoectomy.	3
11.	Frenectomy.	—
12.	X-Ray.	1,395
13.	Biopsy.	20
14.	Abscess Incise.	37
15.	Alveolectomy.	64
16.	Curettage.	15
17.	Flap Removed.	23
18.	Impacted Third Molar.	388
19.	Suture Removed.	544
20.	Excision of Epulis.	2
21.	Dressing.	68
22.	Cyst Operation.	9
23.	Rupees.	76,849/-
24.	Free.	4,397
25.	E. O. Sinys chainage.	5
26.	Sear revision.	2
27.	O.A.F.Closer.	2
28.	Exploration.	2

APPENDIX 'C'

DEPARTMENT OF ORAL ANATOMY, HISTOLOGY, ORAL PATHOLOGY AND MICROBIOLOGY

Clinical yearly report for the period from 1-4-1988 to 31-3-1989.

Histopathology Department

Sr. No.	Particulars.	Total.
1.	Pathology Biopsy.	40
2.	Surgical Biopsy.	269
3.	Total No. of Biopsy.	309
4.	No. of Paraffin Blocks.	682
5.	No. of Teeth & Embryo Blocks.	6
6.	Recutting of Blocks.	80
7.	Total No. of Blocks.	768
8.	Total No. of parafin slides.	1619
9.	No. of slides routine stained.	709
10.	No. of special stains slides.	30
11.	Total No. of slides prepared.	739
12.	Total No. of slides.	2358
13.	Total No. of ground sections.	16
14.	No. of Dry specimens prepared.	1
15.	No. of Museum specimens prepared.	8
HAEMATOLOGICAL INVESTIGATIONS.		
1.	No. of Haemoglobin.	2310
2.	No. of Bleeding time.	2289
3.	No. of Clotting time.	2289
4.	No. of W. B. C.	2275
5.	No. of white cell Morphology.	2275
6.	No. of Platelet count.	7
7.	Erythrocyte Sedimentation rate.	800
BIOCHEMICAL INVESTIGATION.		
1.	Blood sugar.	800
2.	Serum Alkaline phosphatase.	15
3.	Serum cholesterol.	10
4.	Serum Electrolyte.	20
5.	Serum Creatinine.	13
6.	Serum Billirubin.	—
SEROLOGICAL INVESTIGATIONS.		
1.	V. D. R. L.	188
BACTERIOLOGICAL INVESTIGATION.		
1.	Culture and Sensitivity.	63
2.	Aspirated Fluid	172
URINE INVESTIGATION.		
1.	Urine Sugar.	2275
2.	Bile salt and Bile pigment.	2275
3.	Microscopy Examination	200

APPENDIX 'D'

DEPARTMENT OF ORAL DIAGNOSIS AND RADIOLOGY.

Details of Radiographs taken and report during the year 1988-89. from 1-4-88 to 31-3-89.

Months	Intra Oral	Extra Oral 6 ½x8 ½	Extra Oral 8 x 10	Occlusal	OBG.	No. of patients	Oral Dianosis Amount.
April, 1988.	632	238	—	—	69	781	105.00
May, 1988.	686	297	9	—	101	845	85.00
June, 1988.	727	371	—	—	119	1006	90.00
July, 1988.	1292	241	—	—	105	1418	217.50
August, 1988.	1383	60	179	—	86	1413	7.00
September, 1988.	1243	202	170	5	84	1150	103.00
October, 1988.	811	150	165	9	83	922	128.00
November, 1988.	876	113	141	11	106	1032	80.00
December, 1988.	1122	159	1521	15	114	1267	127.00
January, 1989.	1236	183	61	17	119	1305	70.00
February, 1989.	1205	143	104	100	118	1318	240.00
March, 1989.	2138	107	134	17	64	1142	180.00
Total	12352	2264	1115	84	1168	13599	1412.00
	13351		2484	174			1412.50

APPENDIX 'E'

DEPARTMENT OF PERIODONTOLOGY

Clinical Report from 1-4-1988 to 31-3-1989.

Sr. No.	Description	Total
1.	New Patients.	9,090
2.	Old Patients.	19,764
3.	Total Patients.	28,854
4.	Male	15,789
5.	Female.	13,065
6.	Children.	—
7.	Medication	581
8.	Consultation.	11,408
9.	X-Rays.	337
10.	Scal. (Incomp.)	9,901
11.	Scal. (Comp.).	5,188
12.	Free.	378
13.	Curettage.	229
14.	Gingivectomy.	262
15.	Free.	52
16.	Flap Surgery.	175
17.	Pack removed.	700
18.	Excision of growth	8
19.	Splints	1
20.	Occl. Adj.	33
21.	Pericoronal flap	7
22.	Frenectomy	15
23.	Abcess drained	5
24.	Graft.	1
25.	Biopsy.	4
26.	Rupees.	69,116.50

APPENDIX 'F'

DEPARTMENT OF OPERATIVE

Clinical Yearly report for the period from 1-4-88 to 31-3-1989.

Sr. No.	Particulars.	Total.
1.	Old Patients.	24,785
2.	New Patients	3,458
3.	Total Patients.	28,243
4.	Male patients.	14,278
5.	Female patients.	13,965
6.	Consuitation.	5,115
7.	Medication.	2,654
8.	Cutting & ZnOE	6,194
9.	Ag. filling paid.	5,618
10.	Ag. filling Free.	1,031
11.	Total Ag. fillings.	6,649
12.	Silicate filling paid.	462
13.	Silicate filling free	95
14.	Total Silicate fillings.	557
15.	Inlay Paid.	104
16.	Inlay free.	22
17.	Total Inlays.	126
18.	Full Crown paid.	265
19.	Full Crown Free.	129
20.	Total Full Crowns.	394
21.	Jacket Crown paid.	523
22.	Jacket Crown Free.	145
23.	Total Jacket Crowns.	668
24.	Root Canal filling paid.	1,119
25.	Root Canal filling free.	241
26.	Total Root Canal fillings.	1,360
27.	Root Canal Dressing.	3,743
28.	Pulpotomy Paid.	76
29.	Pulpotomy free	29
30.	Total pulpotomy.	105
31.	Apiscotomy paid.	56
32.	Apisectomy Free.	8
33.	Total Spisectomy.	64
34.	Dowel Crown paid.	72
35.	Dowel Crown Free.	17
36.	Total Dowel Crowns.	89
37.	Composite fillings paid.	23
38.	Composite fillings free.	6
39.	Aspa filling paid.	—
40.	Aspa filling free.	—
41.	GIC fillings paid.	177
42.	GIC fillings free.	50
43.	J. C. Gold backing paid.	18
44.	J. C. Gold backing free.	4
45.	Blood Test.	70
46.	Urine Test.	6
47.	Zinc Phosphate cement fillings.	47
48.	Handing over X-ray films to patients.	25
49.	I. O. X-rays paid.	4,556
50.	I. O. X-rays free.	986
51.	Panoramic X-rays paid.	5,542
52.	Certificates.	—
53.	Amount collected Rs.	1,42,842.50

APPENDIX — G
ORTHODONTIA OF DEPARTMENT

Clinical annual Report for the period from 1-4-1988 to 31-3-1989.

Sr. No.	Description.	Total.
1.	New Patients' Visits	1,208
2.	Old Patients' Visits.	9,801
3.	Total Visits.	11,009
4.	Male Adults	4,498
5.	Female Adults	6,511
6.	Impressions.	2,628
7.	Panorex	4
8.	X—Rays.	136
9.	Cephalograms.	601
10.	Photographs.	255
11.	New Patients' Treatment started. (Diagnosis Done).	389
12.	Removable Appliance New Patients'	206
13.	Fixed Appliance New Patients	183
14.	Fixed Appliance Adjustments.	1,097
15.	Removable Appliance Adjustments.	1,908
16.	Myofunctional Appliances	16
17.	Space Maintainers given	88
18.	Habit Breaking Appliances	166
19.	Special Appliance (Cleft Palate)	10
20.	Extra Oral Appliance	16
21.	Retention Plates (Complete Cases)	167
22.	Check up done.	4,038
23.	Charges.	278
24.	Free.	111
25.	O. P. G.	575
26.	Amount Collected Rs.	1,69,340

APPENDIX — 'H'

Yearly clinical Reports from 1-4-1988 to 31-3-1989 Department of Pedodontia

Sr. No.	Description.	Total.
1.	Old Patients.	12,286
2.	New Patients.	4,676
3.	Total Patients.	16,962
4.	Ag fillings.	2,436
5.	RC fillings.	85
6.	Composite fillings.	117
7.	Silicate fillings.	10
8.	Pulpotomy.	192
9.	Apisectomy.	5
10.	Scaling Polishing.	266
11.	Extractions.	6,587
12.	X-Rays.	1,029
13.	S. S. Crowns.	56
14.	Jacket Crowns.	19
15.	Blood & Urine Exam.	136
16.	G. A. Patients.	103
17.	Space Maintainers.	4
18.	Habit Breaking Appliances.	2
19.	Dentures.	17
20.	Reimplantation.	2
21.	Wiring.	2
22.	Lip Bumper.	1
23.	Polycarbonate Crown.	1
24.	Bite plate.	1
25.	D. Pin.	1
26.	CPCD.	617
27.	Cement filling.	2,303
28.	J. C. Cutting.	3
29.	Pulp Copping.	19
30.	Plate activated.	18
31.	Check up done.	5,725
32.	Medication.	866

Total amount collected—45,861.

APPENDIX ' H '

Clinical yearly report of School Clinic at Nair Hospital
Dental College for the period from 1st April 1988 to 31st March 1989.

Sr. No.	Description.	Total.
1.	Total Patients	9,161
2.	Old Patients.	1,885
3.	New Patients.	7,276
4.	Ag. Fillings.	1,365
5.	R. C. Fillings.	34
6.	Composit Fillings.	5
7.	Silicate Fillings.	1
8.	Scaling & Polishing.	350
9.	Pulpotomy.	63
10.	Extractions.	3,236
11.	X—Rays.	299
12.	Jacket Crown.	10
13.	G. A.	2
14.	CPCD.	283
15.	CCZ No.	1,029
16.	CUD.	1,184
17.	Medication.	144
18.	Pulpcapping.	24
19.	Apisectomy.	2
20.	Dentures.	3
21.	Space Maintainers.	1
22.	Fiste Activated.	1

APPENDIX ' I '

PROSTHETIC AND CROWN AND BRIDGE DEPARTMENT.
Clinical yearly report for the period from 1st April 1988 to March 1989.

Sr. No.	Particulars.	Total.
PATIENTS ATTENDANCE :		
1.	New Patients.	3,240
2.	Old Patients.	10,623
3.	Total Patients.	13,863
4.	Male Patients.	9,292
5.	Female Patients.	4,571
6.	Children.	—
WORK DONE :		
7.	Consultations.	3,240
8.	Complete dentures.	792
9.	Partial denture.	1132
10.	Immediate partial dentures.	13
11.	Repair of dentures.	317
12.	Cast Crowns.	132
13.	Jacket Crown in Acrylic.	24
14.	Obturators.	12
15.	Relining.	21
16.	Bridges (2 units).	3
17.	Bridge (3 units).	151
18.	Bridge (4 units).	20
19.	Bridge (5 units).	1
20.	Bridge (6 units).	7
21.	Bridge (7 units).	1
22.	May Land Bridge (3 units).	8
23.	May land Bridge (6 units).	3
24.	X—Rays.	144
25.	Total collection.	97,595/-

Sr. No.	Particulars.	Total.
FREE WORK DONE DURING THE YEAR :		
26.	Complete Dentures	56
27.	Partial Dentures	225
28.	Immediate partial dentures.	5
29.	Repair of dentures.	34
30.	Cast Crown.	37
31.	Jacket crown in acrylic.	5
32.	Bridge (3 units).	35
33.	Bridge (4 units)	1
34.	Bridge (6 units).	1
35.	Relining.	5
36.	Obturator.	1
37.	X-Rays.	26
38.	Mary land bridge (6 units).	2

APPENDIX 'J'

COMMUNITY DENTISTRY.

Clinical yearly report for the period from 1st April 1988 to 31st March 1989.

Sr. No.	Months	Total No. of patients.	Total No. of Camps.
1.	April 1988	285	16
2.	May 1988	362	15
3.	June 1988	605	19
4.	July 1988	465	19
5.	August 1988	459	17
6.	September 1988	448	19
7.	October 1988	1170	19
8.	November 1988	395	17
9.	December 1988	496	21
10.	January 1989	562	19
11.	February 1989	505	16
12.	March 1989	346	112
Total :		6,098	208
			309

APPENDIX—K

Scientific Publication Papers and Research Work conducted.

OPERATIVE DEPARTMENT

1. Dr. D. R. Shahani
&
Dr. Banga
An invitre study to evaluate the effects of a Petroleum based eintment and a water based cream on apical seal. Paper sent for Publication.
2. Dr. D. R. Shahani
&
Dr. S. H. Kulkarni.
Microleakage of Retrograde fillings. An invitro comparision between amalgam and glass Ionomer cement. Paper sent for Publication.

DEPARTMENT OF ORAL DIAGNOSIS & RADIOLOGY.

1. Dr. S. A. Jakhi,
Dr. B. K. Parekh &
Dr. F. R. Karjodkar
Demand for Dental Care. Journal of I. D. A. Vol. 60 No. 3 Page 9-13 1989, March.
2. Dr. S. A. Jakhi.
Importance of Oral Medicine in maintenance of Oral Health. Dental Dialogue Vol. 14 No. 1 1989. Page 23-26.

DEPARTMENT OF PERIODONTICS

1. Dr. I. D'silva.
&
Dr. Bhedesgaonkar.
A comparative study of the effects of chewing habits on gingiva — A Clinico Histo-pathological study. Bulletin of I. S. P. Vol. 12 No. 1 Page 8, 1988.

SCIENTIFIC PAPERS READ

2. Dr. I. D'silva.
"Periodontics past present future" at the conference of Indian Society of Periodontology held in Pune, December, 1988. Scientific Paper read.
3. Dr. I. D'silva.
"Indications and rationale for root planning procedures and gingivectomy" at the scientific meeting of Indian Dental Assocc. Bombay Branch held on February 5th 1989 at Hotel Horizon, Juhu. Scientific Paper read.

DEPARTMENT OF PROSTHETIC, CROWN & BRIDGE.

1. Dr. (Mrs.) S. J. Nagda.
'Computer Applications in Dentistry'. Paper read at I.P.S. Conference. Scientific Paper read.
2. Dr. Rajesh Mhatre
&
Dr. (Mrs.) S. W. Mhatre.
'Hydroxylapatite Implants.' Scientific paper read at I.P.S. Conerence.

DEPARTMENT OF PROSTHETIC, CROWN & BRIDGE

3. Dr. Darshana Shah.
&
Dr. (Mrs.) S. W. Mhatre.
'Resin bonded fixed partial denture, its advantages & Limitations in fixed prosthodontics. Paper read at I.P.S. Conferene, Bombay.
4. Dr. Darshana Shah.
&
Dr. B. Shroff.
'Preventive Crown & Bridge Prosthodontics, Scope and limitations of enamel etched resin bonded fixed prosthesis. Paper read at I.D.A. Conference at Pune.
5. Dr. Paul M. Mullasseril
&
Dr. (Mrs.) S. W. Mhatre.
'Magnets their use in Over denture Therapy' Paper read at I.P.S. Conference Bombay.
6. Dr. Barkha Gharegrat.
&
Dr. (Mrs.) S. W. Mhatre.
'Ceramics for Aesthetics: A Clinical Outlook'. Paper read at I.D.A. Conference, Pune.
7. Dr. Nitin V. Bhat.
&
Dr. (Mrs.) S. W. Mhatre.
Use of Nickel Chromium alloyes in cermo metal Restorations. Paper read at I.P.S. Conference Bombay.

DEPARTMENT OF ORTHODONTICS.

- | | | | |
|----|---|---|--|
| 1. | Dr. P. V. Wadkar. | "Hybridism changes in a functional concept" | Paper read at I.O.C. Haryana. |
| 2. | Dr. A. B. Modi
&
Dr. (Mrs.) T. M. Bhagtani.
Dr. P. V. Wadkar. | Removable Appliances. | Conducted Workshop cum hand-down course Haryana. |
| 3. | Dr. N. H. Parikh.
Dr. (Mrs.) T. M. Bhagtani.
(one of the Experts) | "Status of Orthodontic Education in India" | Conducted symposium Haryana oct. 1988. |
| 4. | Dr. M. K. Prakash. | 'Intraoral Photography' | Conducted workshop Manali 23rd I. O. C. |

DEPARTMENT OF ORAL PATHOLOGY & MICRO—BIOLOGY.

- | | | | |
|----|---|---|---|
| 1. | Dr. A. P. Bhatt. | Possible role of mast cells in the Pathogenesis of Oral Submucous Fibrosis. | Scientific paper read at 42nd Annual Meeting of American Academy of U.S.A. Under Publication. |
| 2. | Dr. A.P. Bhatt.
&
Dr. (Mrs.) L. S. Poonja. | Focals Epithelial Hyperplasia. | Under Publication. |
| 3. | Dr. A. P. Bhatt.
Dr. (Mrs.) V. R. Brave.
Dr. (Mrs.) L. S. Poonja. | Desmoplastic Fibroma. | Under Publication. |

DESSERTATION :—

Dr. (Mrs.) Keya Palit :— Study of Fibrous Epulis and related lesions of 303 cases.

MAXILLA FACIAL & ORAL SURGERY DEPARTMENT

- | | | |
|--|---|--|
| Dr. J. N. Khanna. | Surgical Rehabilitation of T. M. Joint. | Scientific paper read International Conference. |
| Dr. J. N. Khanna. | Surgical management of T. M. Joint Ankylosis. | Presented Guest lecture at National Conference. |
| Dr. J. N. Khanna.
Dr. (Mrs.) N. N. Andrade.
Dr. J. N. Khanna.
Post Graduate Student | Odontogenic Tumours of the Jaw Bones. | Best scientific paper award. |
| Dr. Renuka Rao
&
Dr. C. A. Kelkar.
Dr. J. N. Khanna. | Sagittal split osteotomy. | —Do. — |
| | Osteomyelitis of Maxilla | Scientific paper presented in National 14th Annual Conference. |
| | Malignancies of the Jaw Bones. | —Do. — |

(E) PRE -CONFERENCE COURSE, held at NHDC/Oral Surgery Department (8th December, 88).
Surgical Demonstration on closed circuit television.

- | | |
|--------------------|--|
| (I) Case I : | : CA—Maxilla) |
| Surgical procedure | : Partial Maxillectomy with Radical Neck Dissection. |
| Surgical Team | : Dr. J. N. Khanna,
Dr. (Mrs) N. A. Malik
Dr. (Mrs) N. N. Andrade. |
| (II) Case II | : Ameloblastoma of mandible. |
| Surgical Procedure | : Excision of tumour and reconstruction with rib graft. |
| Surgical Team | : Dr. J. N. Khanna
Dr. (Mrs) N. N. Andrade. |

(F) WORKSHOP ON "CRANIO FACIAL SURGERY" : Conducted jointly by ENT and Plastic Surgery of J. J. Group of Hospitals and Oral Surgery department NHDC, February, 89.

Surgical Demonstration on closed circuit television.

(i) At J. J. Hospital :—

(a) Case I : Ankylosis T. M. Joint.

Surgical Procedure : Release of Ankylosis with costochondral graft inter-position.

Surgical Team : Dr. J. N. Khanna.

Dr. (Mrs) N. N. Andrade.

(b) Case II : Carcinoma of the Mandible.

Surgical Procedure : Hemimandibulectomy with radical neck dissection.

Surgeon : Dr. J. N. Khanna

(ii) At NHDC/Oral Surgery Department :—

(a) Case I : Ameioblastoma Mandible

Surgical Procedure : Excision and reconstruction with iliac crest graft.

Surgical Team : Dr. J. N. Khanna

Dr. (Mrs) N. A. Malik.

(b) Case II : Malunited Bi-condylar with open bite.

Surgical Procedure : Vertical submandibular osteotomy.

Surgical Team : Dr. J. N. Khanna.

Dr. (Mrs) N. A. Malik.

(G) WORKSHOP ON "CRANIOFACIAL SURGERY" :—By ENT/Plastic Surgery J. J. Hospital and Oral Surgery NHDC.

At J. J. Hospital :—

(i) Dr. J. N. Khanna, was panel expert for the symposium on "Rigid Fixation".

(ii) Dr. (Mrs) N. A. Malik, was panel expert for the symposium on "Submucous Fibrosis".

AT NHDC

(i) Dr. J. N. Khanna, delivered a talk on "Surgical correction of Maxillofacial Deformities".

(H) Scientific Papers Publications :—

(i) "Cervical involvement due to Odontogenic Infection", published in International Journal of Oral and Maxillofacial Surgeons.

Authors : Dr. J. N. Khanna

Dr. (Mrs) N. A. Malik

Dr. N. N. Andrade.

(ii) "Hemifacial Hypertrophy", accepted for publication in International Journal of Oral and Maxillofacial Surgeons.

Authors : Dr. J. N. Khanna.

Dr. (Mrs) N. N. Andrade.

Dissertation work conducted in the department in the year 1988-89.

Surgical Management of submucous fibrosis.
Surgical Management of anterior open bite with bimaxillary protrusion.
Use of costochondral grafting for TMJ Ankylosis.

Dr. Kothari P. S. May 1988.
Dr. Nazareth G. T. October 1988.
Dr. Kasabwala May 1988.

APPENDIX — L

Annual Report : From 1-4-1988 to 31-3-1989. PRIZES AND AWARDS WON BY THE STAFF AND STUDENT OF THE COLLEGE.

Sr.	Name of the student	Academic year	Name of the prize.
1.	Miss Lodaya Jagruti Jaychand.	Final B. D. S.	Dr. P. P. Shahani Scholarship.
2.	Shri. Dalal Nilesh Ramniklal.	III B. D. S.	Dr. J. M. Dubash Scholarship.
3.	Miss Hariani Heta P.	I. B. D. S.	Silver Jubilee Scholarship.
4.	Shri Shetty Anil B.	II B. D. S.	Silver Jubilee Scholarship.
5.	Shri Dalal Nilesh R.	III B. D. S.	Silver Jubilee Scholarship.
6.	Miss Lodaya Jagruti U.	IV B. D. S.	Silver Jubilee Scholarship.
7.	Miss Lodaya Jagruti J.	IV B. D. S.	Dr. Raksha Dharia Scholarship.
8.	Shri Dalal Nilesh R.	III B. D. S.	Dr. Vinod Bhatt Scholarship.
9.	Miss C. V. Lakshmi.	III B. D. S.	Dr. Vinod Bhatt Scholarship.

'BEST STUDENT AWARD' deivered by Medical Welfare Trust one for Male and one for Female.

Male.Prize Awarded to — Mr. Ghosh Joydeep.

Female Prize Awarded to — Miss Lodaya Jagruti.

'BEST STUDENT AWARD' of Nair Hospital Dental College Awarded to — Miss Lodaya Jagruti J.

UNIVERSITY PRIZES AND AWARDS.

(1) Miss Jagruti J. Lodaya obtained the Mrs. Indumati Jhaveri Scholarship for 1988 for securing highest No. of marks in Final B. D. S. Examination heldin April 1988.

2. Miss Jagruti J. Lodaya obtained the late Dr. Shyamsunder Dattatraya Soman Prize for the year 1988 for securing highest No. of Marks in final B. D. S. Examination held in April 1988.

(3) Miss Jagruti J. Lodaya obtained the Rustomji Bejonji Vaccha Memorial Scholarship for securing highest No. of marks at Final B. D. S. Examination held April 1988.

(4) Mr. Joydeep Ghosh obtained the Dr. Keki H. Mestry Gold Medal for 1988 for securing highest No. of marks in the subject of Orthodontics.

GROUP OF T. B. HOSPITALS

ADMINISTRATIVE REPORT OF TUBERCULOSIS SERVICES AND GROUP OF T. B. HOSPITALS,

High-Lights of the year 1988-89.

I. The services aim at the following objectives :

1. To ensure proper control and the effective working of the various 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 guidelines of the policies adopted on the National policies for TB Control i. e. by the State and the Central Govt. 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.

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, Municipal Medical Institutions and several Voluntary Organisations.

Besides these Area Tuberculosis Centres, all 62 Upgraded Dispensaries and 110 Municipal General Dispensaries have been adopted as the Treatment Centres, where anti-TB Drugs including injections Streptomycin and other drugs are given free to the patients who are residing in its vicinity.

II. Expenditure :

1. Total Expenditure	80,84,283
2. Amount spent on In-patient	
3. Amount spent on Out-patient.	63,77,631
4. Average cost per day on—	17,06,652
(i) In-patient	30.20
(ii) Out-patient	5.12

III. Significant Activities :

1. Schedule Bed Strength	974
2. Admissions	7135
3. Daily average of In-patient.	578
4. Out-patients at Clinics	20,914
5. Operation carried out	
(i) Major	13
(ii) Minor	289
6. Health Visits paid	6,410
7. Patients covered under City Tuberculosis programme.	33,143
8. Patients under treatment at Municipal Centres.	70,002

The Group of T. B. Hospital is administered by the Medical Superintendent, Assistant Medical Officers and other administrative executive staff.

Treatment to TB patients is provided at the following Centres :

1. G. T. B. Hospital, Sewri, Bombay—15.
2. R. D. T. B. Clinic, Dadar, Bombay—14.
3. Municipal T. B. Clinic, Samaldas Gandhi Marg, Bombay—2.
4. Municipal T. B. Clinic, Nawab Tank, Dockyard Road Bombay—10.
5. Municipal T. B. Clinic, Balaram Street, Bombay—8.
6. Municipal T. B. Clinic, Khar, Bombay—52.
7. Municipal Sub-T. B. 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).

The classification of the total bed strength at G. T. B. Hospital is as under :

G. T. B. Hospitals—	Male	Female	Total
Medical—	659	168	827
Surgical—	66	37	103
Cardiac—	44	—	44
	769	205	974

After discharge, 3383 patients attended the Hospital for follow-up.

G. T. B. Hospitals :

From Previous Yr.	New Admission.	Total	Cured	Otherwise.	Died	Remaine at the end of the Yr.
433	7135	7568	4602	1150	1187	629

Statistical data revealed the high incidence in the age group of 35-40 years. Ratio of death of total patients treated was 15.7%.

Municipal T. B. Clinics :

Cases directed by T. B. Clinics are examined at Group of T. B. Hospital, Sewri and those needing admission 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.	10,236	2,990	7,246
2. Samaldas Gandhi Marg T. B. Clinic.	3,328	1,904	1,424
3. Balam Street T. B. Clinic.	9,812	6,522	3,290
4. M. M. Munshi T. B. Clinic, Khar.	10,546	6,392	4,154
5. Nawab Tank T. B. Clinic, Dockyard.	3,325	996	2,329
6. Sub-T. B. Clinic at Bhabha Hospital, Kurla.	1,976	1,810	166
Total	39,223	20,614	18,609

From the year 1988-89, in addition to treatment of Pulmonary TB Cases, the department of Non-TB Chest Diseases has started functioning on OPD level. The work of purchasing of the necessary equipments are under process. 68 bedded Non-TB Chest Diseases Ward will be started as soon as the equipments are received.

Poor Box :

Collection of the Hospitals is utilised for the benefit of the poor and needy patient and the incidental expenses. Amount of Rs. 85,232.81 was collected for the Poor Box Charity Fund of the hospital and Clinics during the year.

Teaching :

The Group of TB Hospital and TB Clinics continued to recognised for Diploma Course in Tuberculosis and 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 Homeopathy students. Clinical instructions are imparted to under-graduate student of L. T. M. M. College, Sion.

City Tuberculosis Programme :

The Brihanmumbai Mahanagar Palika have established the City Tuberculosis Programme (CTP) in the City on behalf of the State Govt. The Central Govt. given free supply of Anti-TB drugs and MMR X-ray film rolls for this programme run by the Corporation. The programme run by the Medical Superintendent, Group of T. B. Hospitals and the Executive Health Officer. 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. 30 Centres (including 5 T. B. Clinics under M. S. G. T. B. and 5 of outside agencies) alongwith 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 Disps. 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 (T. B.) and the staff consisting of 4 T. B. Inspectors, 99 Treatment Organisers, 15 Health Visitors and 1 BCG Team Leader. This staff is engaged on the case findings, case holding and for the defaulter action.

Following are the Up-graded Disps., Peripheral 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	1,68,223	G. T. Hospital.
B	2.47	1,47,313	Nawab Tank Municipal TB Clinic Dockyard, Bombay.
C	1.79	2,70,705	Bombay Port Trust. Samaldas Gandhi Marg Municipal TB Clinic. 'C' Ward Medical Association.
D	6.63	4,47,811	Balaram Street TB Clinic.
E	7.40	4,62,065	J. J. Hospital Nair Hospital, Bombay.
F/S	10,5879	7,93,991	R. D. T. B. Clinic, Dadar.
F/E	10,559		O. H. T. C. TB Clinic, Sewri.
G	18.84	9,92,992	E. S. I. S. Hospital, Worli. P.S.M. Centre, Dharavi.
H.	25.8	7,06,838	M. M. Munshi TB Clinic, Khar Maharashtra Lokhita Seva Mandal. Municipal General Hospital, Santacruz.
K	43.0	9,20,002	R. N. Cooper Hospital Juhu, Vile-Parle.
L	13.0	4,34,007	Bhabha Hospital Kuria Sub-TB Clinic.
M	62.19	5,66,000	MAA Hospital, Chembur. Centenary Hospital, Govandi.
N	39.0	4,47,364	Rajawadi Hospital, Ghatkopar. Barve Nagar Gen. Hosp., Ghatkopar.
P	74.83	6,69,396	Malad General Hospital, Haji Babu Road, Malad (E).
R	82.73	5,61,916	Bhagwati Hospital Boriwali (W). Ashwini Kumar T.B. Centre, Borivli (W). Centenary Hospital, Kandivli (W).
T	41.44	2,22,555	M. T. Agarwal Municipal General Hospital, Mulund (W). Mulund General Hospital, Mulund (E).

Every Area Tuberculosis Centre (A. T. C.) is staffed a Medical Officer, Health Visitor and 2 to 3 T. B. Investigators (Treatment Organisers) and some members of the lower staff. Out of 30 Area Tuberculosis Centres, 9 have MMR X-ray machine/other X-ray machines equipment and Pathology Department and remaining are having X-ray and/or Screening machines and the Laboratories. All the Peripheral Centres which are the Municipal General Dispensaries, serve as the treatment centres only. The Medical Record Department of the hospital and TB Clinics and Central Statistical Section for field service is located at the Group of T. B. Hospitals, Sewri.

As provided under the National Tuberculosis Programme, the Central Control Agency is being formed under the Chairmanship of the Municipal Commissioner.

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.

(Dr. A. P. Rao),
Medical Superintendent,
Group of T. B. Hospitals,
Sewri, Bombay-15.

TABLE No. I
GROUP OF T. B. HOSPITALS, SEWRI.
PERFORMANCE TARGETS AND ACHIEVEMENTS—HOSPITALS

	Target laid down	Target Achieved	Remarks
1. Indoor Cases	12,200	7,135	Due to introduction of system of Rationalisation, only the emergency patients are admitted. All other patients are directed to nearby A. T. Cs. for treatment.
2. Operations	300	300	
3. Follow-up Examination	6,000	3383	
4. Patients kept on Waiting List.	400	48	
5. X-rays :			In doubtful cases the Bigplate X-ray are taken.
(a) Mass Miniature	16,000	20,884	
(b) Big plates	14,000	3,211	
(c) Screening Exam.	100	250	
6. Pathology :			Pathology test are done as and when required.
(a) Blood	13,000	7,551	
(b) Sputum	61,000	39,643	
(c) Urine	13,000	7,384	
(d) Stools	700	161	
(e) Histopathology	300	167	
(f) Sensitivity Test	3,500	2,716	
(g) Pleural Fluids & Biochemistry	12,500	6,631	
(h) Blood Bank	1,400	1,401	
(i) Serology	150	47	

TABLE NO. 2
Anti T. B. Activities carried out in the year 1988.

1. No. of New T. B. patients interviewed by T. O.	20,067
2. No. of repeaters interviewed by Treatment Organisers.	1,12,313
3. No. of home visits paid by Treatment Organisers & T. B. Inspectors at the residence of the patient	40,076
4. No. of close contacts contacted	36,473
5. No. of close contacts referred to TB Clinics for detection and	12,196
6. No. of close contacts who attended TB Clinics.	5,421
7. No. of positive cases detected from the referred contacts.	918
8. Defaulters (i) Total No. of defaulters	28,231
(ii) No. of defaulters brought on regular treatment.	12,892
(iii) No. of defaulters yet to brought on regular.	15,339
9. No. of persons who have under gone Vaccinations.	316
10. No. of School Children who have under TB treatment.	405
11. No. of B. C. G. Vaccinations in Municipal School.	—
12. No. of T. B. patients noted from I. D. R.	156
13. No. of contacts referred to clinic from I. D. R.	162
14. No. of Laboratory Examination done at Municipal General Upgraded Dispensaries.	
(a) Blood (E. S. R.)	8,385
(b) Urine	16,863
(c) Sputum	5,016
(d) Screening	11,854
(i) Positive	1,036
(ii) Negative	10,818

(Dr. A. P. Rao)
 Medical Superintendent,
 Group of T. B. Hospitals.

**GROUP OF T. B. HOSPITALS, SEWRI
PROGRAMME WORKLOAD SUMMARY OF T. B. CLINIC**

1988	R.D.T.B. Clinic Dadar		Shamaldas Gandhi Marg TB Clinic		Balaram Street TB Clinic		M.M. Murehi TB Clinic, Khar		Nawab Tank TB Clinic		Sub-TB Clinic Bhabha Hospital, Kurla		Remarks.
	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— OUTDOORCASES													
(a) T. B. Cases	4,500	2,990	4,500	1,904	7,100	6,522	7,000	6,392	1,300	998	2,900	1,810	* X-ray machine was out of order for more than 8 months.
(b) Non-TB Cases	6,500	7,248	3,500	1,424	4,100	3,290	5,000	4,164	2,500	2,329	800	166	(1) Pathological Examination are done as and when required.
TOTAL :	11,000	10,238	8,000	3,328	11,200	9,812	12,000	10,546	3,829	3,325	3,700	1,976	
II — X—RAYS													
(a) Mass Miniature	21,000	18,319	17,000	9,351	12,000	12,260	12,000	10,441	6,200	5,863	Shown under R.D. TB Clinic, Dadar.		
(b) Big Plate	200	138	—	—	250	168	150	61	300	150			
III—PATHOLOGY													
(a) Blood Exam.	100	606	1,300	—	200	14	—	—	—	—	—	—	
(b) Sputum	11,000	12,153	3,600	2,888	9,500	9,290	11,000	11,367	5,200	4,800	4,000	4,194	
(c) Urine	—	—	—	—	600	559	—	—	—	—	—	—	
IV-HEALTH VISITING	2,500	1,271	3,000	2,501	1,500	1,619	700	1,266	1,500	1,237	800	662	

(Dr. A. P. Rao)
Medical Superintendent,
Group of T. B. Hospitals.

SETH A J. B. MUNICIPAL E. N. T. HOSPITAL

HIGH LIGHTS

I EXPENDITURES

	Rs.	P.
A) 1. Total expenditure including liabilities	53,22,458.00	
2. On In-Patient	35,48,305.40	
3. On Out Patient	17,74,152.60	
4. Amount Collected from Poor Box Fund	82,568.00	
B) Average Cost :		
1. Per In-patient per day		222.42
2. Per Out Patient attendance		16.81

II RESULTS :

A) 1. Scheduled Bed Strength	100
2. Daily average In-patient in Wards	44
3. Admissions including those brought over previous year (4312 + 14)	4326
4. Patients Discharged	—
(i) As cured	4296
(ii) As unchanged	1
(iii) As left against Medical advised	5
(iv) Expired	Nil
(v) Remained in the Hospital on last day of the year.	24
5. Highest number of admission on a single day. (28th June, 88 & 26th July, 88).	25
6. Average stay of the In-patients (in days)	3.69
B) 1. Patients (New)	66,093
2. Daily average of out patients (New)	218
3. Out Patients (New & Old)	1,05,488
4. Daily average of Out Patients attendance	332
5. Highest number of attendance on a single day on 29th August, 1988.(New 373+Old—155)—	528

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 Ear, Nose, Throat Hospital.

The Scheduled bed strength of the Hospital is 100. Total 3,805 Number of operations were performed on in-patients.

The following investigations were performed in Pathology Department in the year 1988. (January To December).

(A) Clinical Pathology	25,701
(B) Bio—Chemistry	1,231
(C) Histo—pathology	867

In Radiology Department : 6,042 patients came for X-Rays, 9,222 X-Rays were taken 7,387 films were used for X-Rays.

An Audiology Room for full comprehensive hearing tests of handicapped individuals with services of Speech Therapists are also available in this hospital. 5,770 Numbers of Fresh Audiograms, 362 Numbers of post operative Audiograms, 356 Numbers of repeat audiograms 622 number of special tests were recorded and 647 number of Speech Therapy cases were attended.

An amount of Rs. 82,568.00 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 department in the year of 1-1-88 to 31-12-88.

Months	Adult deaf	Child deaf	T. B.	Cancer	Misc.
1988					
January	33	21	19	4	66
February	4	...	2	1	10
March	28	4	12	2	51
April	37	...	8	3	73
May	38	9	5	15	44
June	35	13	9	2	37
July	46	17	8	4	58
August	30	8	4	7	63
September	39	11	3	9	34
October	35	4	13	4	46
November	5	...	2	1	14
December	47	21	9	13	78
Total	377	108	94	65	574

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, Aliyavar Jung Institute, Social Welfare Offices and other Charitable Trusts at a concessional price from various Companies.

M. S. W. Department helps the T. B. patients in getting medicines and injections and in providing Blood transfusions from Blood Banks to the patients. And also Hearing Aids providing as concessional price from various Companies. Deaf and Dumb children are referred to vocational Centres.

1) Total Hearing Aid given from Pvt. Co's at concessional rate No. 144.

2) Free Hearing Aid given from "NASEOH", Aliyaver Jung, National Hearing Handicapped No. 168

3) Total Home visits paid	75
4) Visit to the Institutions for Deaf	27
5) Visits to Cancer Institution.	36

The Medical staff consisted of :

	Nos of posts.
(a) Honorary E.N.T. Surgeons	3
(b) Honorary Assistant E.N.T. Surgeons	2
(c) Honorary Associate E.N.T. Surgeons	1
(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

Nursing staff consisted as follows :

(i) Senior Sister.	1
(ii) Sisters	6
(iii) Staff Nurses.	29

Rs. 35,52,717.00 have been spent on Establishment of hospital during the year.

DR. A. C. NAIK
Ag. ASSISTANT MEDICAL OFFICER
Municipal E.N.T. Hospital

**SETH V. C. GANDHI AND M. A. VORA MUNICIPAL GENERAL
HOSPITAL,
RAJAWADI HOSPITAL, GHATKOPAR BOMBAY 400 077.**

Highlights : I EXPENDITURE

(A)	1. On in-patients	2,41,70,630.00
	2. On out-patients	1,03,58,841.00

(B) AVERAGE COST PER

1. In-patient per day	Rs. 141.25
2. Out-patient per day	Rs. 3.36

II RESULTS IN-PATIENTS

(A)	1. Scheduled Bed Strength	560
	Sarvodaya Beds	70
	Total Beds	630
	2. Daily average in patients in wards.	468
	3. Admissions including those brought over from previous year.	29430
	4. Number of patients discharged as	
	i) Relieved	1998
	ii) As Cured	23081
	iii) Expired	1498
	Within 24 hours	710
	After 24 hours	204
	Exceeding 3 days	584
	v) Remaining in the hospital on the last day of the year.	398
	vi) Daily Average number of Admissions.	79
	vii) Average stay of in patients (in days)	5
	viii) Highest number of in patients in a single day.	487

(B) OUT PATIENTS

i) New out-patient attendance	171148
ii) Daily average number of out patient.	560
iii) Highest O. P. D. attendance on a single day.	659
iv) No. of casualty attendance	71208

(C) OPERATIONS

i) Operations on in patients	3265
ii) Operation on out-patients	11735

(D) Confinements

i) Booked cases	6615
ii) Emergency cases	280
iii) Normal	5890
iv) Abnormal	596
v) Left before delivery	290

Non-Natal and Natural deaths

i) Maternal Death	6
ii) Neo-Natal deaths	47
iii) Still Births	283
iv) Premature live born infants	90

Specialised treatments

i) Sterilization (Male)	5
ii) Sterilization (Female)	1104
iii) I. U. C. D.	355
iv) Medical Termination of Pregnancy.	627

**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 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 1969, 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 along with 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.

Disaster Plan: Hospital is also equipped with disaster plan to meet unforeseen massive emergencies when the lecture hall is converted into special emergency ward and already planned personale is available to the work.

Apart from this, 70 beds are reserved in Sarvodaya hospital for convalescent patients for T. B. and Orthopaedic where in stay is supposed to be longer one

From 3rd February 1988, the Additional Corner's Court, Rajawadi has started functioning in the campus of Hospital.

LOCATION : This Hospital is located in the Ghatkopar suburb on the Eastern side of the Central Railway line.

Hospital is on 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 South side.

It is located in between the Tansa Water mains which abouts 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 further expansion.
17523.70 Sq. Yard. 1,57,713.30 Sq. ft.

Dr. Y. N. MORE, M. B. B. S., M. C. P. S., D. G. O., D. H. A. (BOMBAY) held the post of MEDICAL SUPERINTENDENT.

Dr. (Smt.) V. M. Jaisinghani held the Post of A. M. O (Admn.).

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) Ophthalmology (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).

1. DEPARTMENT OF MEDICINE :

The department of Medicine consists of 3 units, Each unit is looked by Honorary Medical Officer (Medicine) Honorary Assistant Medical Officer (Medicine), 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 Honorary Medical Officer (Medicine) and a Honorary Medical Officer (Surgery) jointly.

Diabetic O. P. D. is conducted every Friday when blood sugar estimation is done 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 31-12-87	Admitted during the year	Total	Discharged		Death	Remaining in the hospital on the midnight 31-12-88
				cured	Otherwise		
Male	27	2451	2478	1600	650	200	28
Female	23	1630	1653	1100	422	115	16
M/ch	—	—	—	—	—	—	—
F/ch	—	—	—	—	—	—	—
Total	50	4081	4131	2700	1072	315	44

Statistical Information of New O. P. D./Casualty attendance

	Male	Female	M/ch	F/ch	Total
O.P. D.	7668	7474	—	—	15142
Casualty	8801	5392	8	—	14193

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	1061
Total Deaths	299
Mortality rate	28.01%

Statistical Data of cases admitted M. I. C. U.

Sex	In the hospital on the midnight 31-12-87	Admitted during the year	Total	Discharged			Remaining in the hospital on the midnight 31-12-88
				cured	Otherwise	Death	
Male	3	744	747	500	57	183	7
Female	...	314	314	160	37	116	1
M/ch	...	...	...	...	...	...	...
F/ch	...	...	...	...	...	...	...
Total	3	1058	1061	660	94	299	8

2. DEPARTMENT OF SURGERY :

The department of Surgery consist of 3 units. Each unit is looked after by a Honorary Medical Officer (Surgery) and Honorary Assistant Medical Officer (Surgery) Registrar, Houseman and A. M. O. Each unit conduct their O. P. D. and emergency services twice a week by rotation (Appendix 3 and 4)

Statistical Data of cases admitted in Surgical Ward.

Sex	In the hospital on the midnight 31-12-87	Admitted during the year	Total	Discharged			Remaining in the hospital on the midnight 31-12-88
				Cured	Otherwise	Death	
Male	42	3085	3127	2200	791	94	42
Female	16	1186	1202	930	222	39	11
M/ch	9	295	304	210	86	2	6
F/ch	1	180	181	150	28	1	2
Total	68	4746	4814	3490	1127	136	61

Statistical Information of New O. P. D./Casualty attendance.

	Male	Female	M/ch	F/ch	Total
O. P. D.	4082	2104	890	541	7617
Casualty	14886	5427	2780	1590	24383

Surgical Operation

Major	621
Minor	1264
Total	1885

Three Surgical unite offered round the clock surgical care to patients directly coming to Rajawadi Hospital and those referred from other peripheral hospitals. Unit were staffed by seven surgical residents, minor surgery registrar, for the year. Since Dr. Waigankar left the hospital in April 1988, Dr. V. G. Mehendale and Dr. M. B. Kamdar had to look after the work of all the three units for almost five months. Two lecturers are posted in the department.

1. Total outdoor attendance was about 25,000
 Total surgical admisions were 4746

Data about specialised surgical car provided during the year.

1. Burns ward (females and children) Admissions	521
2. Paediatric Surgical ward Admissions	575
3. Minor Surgery operations	2736
4. Surgical total operations (Elective and emergency) (M. O. T. closed for 2 months)	1885
5. Oesophagogastrosopies.	476

Urology Department: Surgical unit I under Dr. V. G. Mehendale continued to get referrals regularly from other peripheral hospitals and other units for endoscopic urological work. Dr. Mehendale held a workshop on dorsal lumbotomy for rectal and ureteral surgery at this hospital on the occasion of annual conference of MASON 1988 (Maharashtra chapter of A. S. I.) Surgeons from various hospitals, local as well as from different parts of the State attended the workshop on 29th February 1988. Dr. Mehendale was called for C. U. E. programme of the West Zone chapter of Urological Society of India. to talk on dorsal lumbotomy. incision for renal calculus surgery. Incidentally this hospital has maximum number of consecutive cases by this incision. Burns Ward for females and children continued to be overcrowded with 521 admissions. Mortality was 48.3% (252 deaths)

Minor surgery department performed 2736 operations. At present this department has very small O. T. which opens directly into hospital corridor. It needs waiting room and a recovery room, in addition to well isolated theatre.

Gastroenterology services: A new gastroduodenoscope towards has been received the end of 1987. 476 endoscopies were performed during the year. Gastroscopies are done regularly by Dr. V. G. Mehendale. From October 1988, Dr. C. H. Kale has also joined the team.

During the year four papers were presented by the department at state level conference. An original article on a new technique of uretero-neo cystostomy by Dr. V. G. Mehendale and Dr. S. B. Shah has been accepted by Indian Journal of Urology for publication.

DEPARTMENT OF PAEDIATRICS

The department of Paediatrics consists of units. Each unit is looked after by a Honorary Medical Officer (Paediatrician), Honorary Assistant Medical Officer (Paediatrician) a Registrar and 2 Housemen. Each unit conducts their O. P. D. & Emergency Services thrice a week (Appendix 3 & 4)

Statistical Data of cases admitted in Paediatric Ward.

SEX	In the hospital on the midnight 31-12-87	Admitted during the year 1988	Total	Discharge		Death	Remaining in the Hospital midnight 31-12-1988.
				Cured	Otherwise		
M/ch	19	2193	2212	1938	45	212	17
F/ch	15	1658	1665	1234	215	198	18
TOTAL	34	3843	3877	3122	260	410	35

Statistical Information of New OPD/Casualty attendance.

	Male Child	Female Child	Total
O. P. D.	8513	6940	15453
Casualty	4877	3487	8364

The Paediatric Department offer the following services :

1. a) B. C. G. to neonatal in P. N. C. Ward.
- b) Neonatal Polio Vaccination.
- c) D. P. T.
- d) Measles.
- e) T. A. B.

2. Round the clock services is provided for patients referred fro Casualty.
3. Renders Health Services to School Children from Monday to Fridays.
4. Neonatal Care services.

A emergency trolley is provided in labour ward for resuscitation of aspyxiated babies. The ward is also provided with Phototherapy unit for neonates with hyperbilirubinemia and has facilities for exchange blood transfusion of Jaundiced neonates. The exchange blood transfusion carried out at this hospital seem to be the highest as it was done on 164.

In addition to these facilities a seperate Tetanus & Procedure room.

A special Sunday Immunization clinic was inaugurated by Health Committee Chairman Shri Harishwar Patil on Sunday 24-7-1988.

4. DEPARTMENT OF GYNAEC AND OBSTETRIC :

This deparment consist of 3 units. Each unit is looked after by a Honorary Medical Officer (Obstetrician & Gynaecoloist) and Honorary Assistant Medical Officer (Obstetrician & Gynaecologist), Registrar, Houseman & A. M. O. Each unit conduct their O. P. D. & emergency services twice a week.

A wide variety of Obstetics cases were seen and treated compentently. These included cases transfered from maternity homes at Barve Nagar, Vikroli, Bhandup and Deonar. The cases transferred, required specialised obstetric care unit and were wither referred for both djagnosis and treatment.

O. P. D. service Antenatal & Postnatal Services were made available to a large section of the public and the attendance at Gynaec O. P. D. is in lare No. (Appendix 3 & 4.)

Each Antenatal Patients blood analysis, regular weight, Urine examination besides general and abdominal examination are done.

These clinics are extereremely beneficial in the the detection and treatment of obstretical malase in the from the anemia, cardiac disease, diabetic, hypertension etc.

The interns posted attend O. P. Ds. perform minor O. P. D. procedures under supervision, learn basic antenatal care, attended Operation theatre, performed tubal sterilizations under supervision and attend emerency duties.

The residents have been trained to deal efficiently with almost any emergency and have learnt to independently perform several major operations compentently.

Statistical Data of cases admitted in Gyn. & Obst.

Sex	In the hospital on the midnight 31-12-87	Admitted during the year 1988	Total	Discharged		Death	Remaining in the Hospital midnight 31-12-1988.
				Cured	Otherwise		
GYNAEC							
Female	38	2646	2684	2600	57	2	25
Maternity Female	64	7464	7528	7400	16	10	102

Statistical information New O. P. D./Casualty attendance.

O. P. D.	6349
Casualty	4401
Operation	
Major	847
Minor	
Total	2099

Patients Transfered to this hospital for management in Gyn. & Obst. Department

The Number of patients transfered from various maternity homes and Private nursing home during the year 1988 was 82. Record of 3 Patients was not available therefore censes in obtained for 79 patients only.

Details of Transfer from Various Maternity Homes :

S. No	Name of the Maternity Homes	Total	Unwaranted	Late Referral	Blood Given
1.	Bhandup	31	5	5	5
2.	Deonar	11	2	3	1
3.	Barvenagar	8	(All transfers warranted)		
4.	Mulund	8	2	2	1
5.	Vikroli	8	4	1	—
	Tagor Nagar				
6.	Chitacamp	3	1	1	—
7.	Private	3	1	1	—
8.	Govandi	3	—	1	1
					1 Packed given
9.	IIT Hosp.	2	1	—	1
10.	Chunabhatti	1	1	—	—
11.	Chembur	1	1	—	—

3 Patients whose record not available are as follows :

1. In the Month of March (23—3—88 at 2 A. M.) Patients by Name Shanta Ramchandra Jaiswal was transfered from Barve Nagar Maternity Hospital. Indoor registration not recorded in the case paper.
2. In the Month of Sep. 88 (14—9) patient by name Nirmaladevi Indoor No. 20304 transfered in from Barve Nagar Maternity Home.
3. In the month of Nov. 88 (13—11—88) patient by name Kamble Asha Sopan with Indoor NO. 25350 was transfered for Ectopic pregnancy. Transfered details not available.

Unit I	33
Unit II	16
Unit III	30
Total	79

Patients expired:

- Details :** 1) Transfered from Private maternity home in the month of January Primi. with eclampsia mismanaged at private hospital and referred to hospital too late. Patient expired the next day after admission. Death Certificate given Post Partum eclampsia.
- 2) Transfered from Mulund maternity home in the month of November 88 : Patient expired within an hour. Transfered for Post Partum eclampsia with P. P. H. late referal P. M. ordered.

5. DEPARTMENT OF ORTHOPAEDICS :

This department consists of only one unit. This unit is look after by a Part-time Honorary Medical Officer (Orthopaedic) Surgeon, 2 Part-time Honorary Assistant Medical Officer (Orthopaedics), 2 Registrar, 2 Houseman and A. M. O. This deurtment conducts O. P. D. and emergency thrice a week.

Proposal has already been put up to have two Orthopaedic units so that the O. P. D. could be conducted daily, so also operative work as against the present facility of alternate days.

Academic activities in the Orthopaedic Department :

1. **Demonstration Surgery for Travelling follows of Tamil Nadu Orthopaedic Association** was held by the Bombay Orthopaedic Society on 8th January 1988. Three Orthopaedic Surgeons attended. Dr. S. D. Mehta, Dr. M. G. Yagnik and Dr. A. A. Rao demonstrated one case each. Dr. S. D. Mehta briefed the visitors on his method of treatment of old untreated Monteggia fractures in children, Dr. Khanna N. M. talked about his project of treatment of Infected cavities by scraping and bone grafting.

2. **Internal fixation course held by the Bombay Orthopaedic Society on 11 th January 1988,** This was attended by three Practising Ortho. Surgeons. Dr. S. D. Mehta demonstrated 5 operative cases of trauma. Dr. M. G. Yagnik and Dr. A. A. Rao demonstrated two and three cases respectively.

3. **M. S. (Ortho.) Practical Examinations** conducted by the University of Bombay was held with Dr. S. D. Mehta as the local convener on 27th and 28th January 1988.

4. **Scientific paper presented at the Maharashtra State Orthopaedics Association 88 Annual Conference in Nagpur in February 1988.** Individual study on 'Hemiarthroplasty for Transcervical Fractures of the Hip in Elderly patients done under local Anaesthesia' Study of 39 cases, was presented by Dr. A. A. Rao, who represented our hospital in the conference.

5. **Internal fixation Course** was held as part of the fracture course held by the Bombay Orthopaedic Society on 26th Sep. and 30th Sep. on 26th Sep. total 8 trauma surgeries were demonstrated and on 30th Sep. another 8 cases were demonstrated by the 3 Honorary Medical Officer (Orthopaedics).

6. **Clinical Session as a part of Post Graduate Lecture Course** held by Bombay Orthopaedic Society on 18th Sep. 1988 Dr. S. D. Mehta conducted a clinical session in which clinical cases were presented by post graduates from Bombay, Gujrat and Pune etc. 21 cases were presented and examined, in which this institute received a rating of 87.1% the highest one.

7. **Fellowship Course for Johnson & Johnson fellow** held by the Bombay Orthopaedic Society on 8th Nov. 1988. Dr. Saha from Patna Dr. Misuria from Jhansi attended the Course in which two cases of Trauma were demonstrated each by Dr. S. D. Mehta and Dr. N. M. Khanna.

8. **Scientific papers presented at Western India Regional Orthopaedics Conference** held by Bombay Orthopaedic Society on 20th Nov. 1988. Two Scientific papers (1) Absorbable Suturing for Fracture Patella Review of 110 cases was presented by Dr. N. M. Khanna with Dr. S. D. Mehta, Dr. M. G. Yagnik and Dr. H. B. Bhandari as co-authors.

(2) Closed Interamedullary Nailing for long Bone fractures with the help of Image Intensifier a review of 38 cases was presented by Dr. H. B. Bhandari with Dr. S. D. Mehta, Dr. M. G. Yagnik, Dr. A. A. Rao and Dr. N. M. Khanna as 'Co-authors'.

9. **Spine Surgery Demonstration** was held by the Association of Spine Surgeons of India on 25th Nov. 1988. Dr. S. D. Mehta, Dr. M. G. Yagnik and Dr. A. A. Rao demonstrated two, one and two cases of Spine Surgeries respectively which was attended by three delegates.

10. **Scientific papers presented at the Annual Conference of A. S. S. I. (Association of Spine Surgeons of India)** Dr. A. A. Rao presented his study of 29 cases of 'Unstable Thoracolumbar Fractures of the Spine treated with Harrington Instrumentation and Sublamina wire'. This conference was held at Bangalore and had guests and speakers from East and West.

Our academic accomplishments are increasing. This unit has presented 4 Scientific papers against two last years. This unit working out six new projects which will be presented and reported in journals, in the future. Our hospital has been represented and papers read in almost all the state and National Conferences held this year.

This unit has recommended and asked including Operative Instruments and Powered Instruments for our total joint replacement project which has already been sent in the motion.

The Annual conference of Association of spine Surgeons of India held at Bangalore on 17th & 18th Dec. 1988 being an international one was participated by dignitaries of U. S. A., France, Germany, Singapore. A number of papers will be presented by different institutions of Bombay Rajawadi Hospital has presented a Scientific paper by Dr. S. D. Mehta, Dr. A. A. Rao and Dr. N. M. Khanna titled 'Unstable Thoraco Lumbar Fractures treated by Harrington Instrumentation and Sublamina Wires.'

Dr. S. D. Mehta enjoys the position of the honorary treasurer of Association of Spinal of India.

Statistical Data of cases admitted in Orthopaedic Ward.

Sex	In the hospital on the midnight 31-12-87	Admitted during the year	Total	Discharged		Remaining in the hospital on the midnight 31-12-88	
				Cured	other-wise		
Male	31	1190	1221	450	705	28	38
Female	15	601	616	250	331	18	17
M/ch	5	148	153	60	90	—	3
F/ch	3	107	110	40	68	—	2
Total	54	2046	2100	800	1194	46	60

Statistical Information of New O. P. D./Casualty attendance.

	Male	Female	M/ch	F/ch	Total
O. P. D.	2055	1484	795	560	4894
Casualty	3029	1218	955	477	5679

Orthopaedic Operation

Major	731
Minor	5427
Total	6158

6. DEPARTMENT OF PSYCHIATRY :

The department of Psychiatry was established in October 1978 with a staff of Honorary Medical Officer, A. M. O., & Medical Social Worker. The out patient department then was run 5 days in a week in the afternoon. Since 1985 the O. P. D. is shifted to regular morning hours and is run all the 6 days a week.

In 1988, new registered cases for Psychiatry O. P. D. were 835, approximately 16,314 old cases were treated and followed up.

The project for starting Indoor Psychiatry Ward is approved by the Administrative & some staff required viz. Registrar H. P. are already appointed from August 1988 and working at O. P. D. level and by the 1st trimester of the 1989 it is expected to be a reality.

Dr. Manilal Gade, Honorary Medical Officer (Psychiatry) has been honoured with the following :

1. Membership of 'American Biographical Institute Research Association'.
2. Honorary Member of 'The Research Board of Advisors of the American Biographical Institute'.
3. Elected as corresponding fellow of American Psychiatric Association (FAPA).
4. Vice President (President Elect for 1988-89 and President for 1989-90 of "Bombay Psychiatric Society."

Table shows diagnostic break-up of new cases.

DIAGNOSIS	No of Cases
1. Psychosis :	
a) Schizophrenia	207
b) M. D. P. i) Mania	4
ii) Depression	81
c) Organic Brain Syndrome	12
2. Neurosis	
a) Anxiety Nerosis	62
b) Hysterical Conversion Reaction	16
c) Neurotic Depression	274
3. Prsonality Disorders & Addiotion	58
4. Psychosomatic Disorders	14
5. Epilopsy	28
6. Mental Subnormality	20
7. Nil Active Psychiatry	5
8. Miscellaneous	36
9. Diagnosis could not be arrived at	18
	Total
	835

Electro-Convulsive Therapy :

Since 1983 E. C. Ts are given in the morning on all the 6 working days. All the ECTs are given under anaesthesia. In 1988, 253 were given to different types of Patients.

Role of Social Worker :

The social worker attends Psychiatric O. P. D. on all 6 days during O. P. D. hours. The duties performed by her are as follows.

i) Interviewing all the new Psychiatric patients for obtaining Medical & family history.

ii) The patients who require case work from of therapy are referred to her. In 1988, 52 patients were referred. Each cases is interviewed on an average 5 to 10 times thus spending about 8 to 10 hours per patient. Total number of sessions held were 497.

Psychological Testings : The cases requiring evaluation from Psychological Test point of view were referred to other hospitals as there is no clinical Psychologist in the Department.

Library : New Psychiatric Books with latest available edition were purchased for the library. A steel cupboard to keep library books (for Psychiatric Books) was received by donation.

Changes in OPD since October 1988 : with the addition of new staff following changes were made to further develop the treatment facilities.

- i) O. P. Ds were conducted on Mondays, Wednesdays & Fridays.
- ii) Psychotherapy (Individual & Group) Behaviour Therapy. Treatment for cases of Addiction (Counselling and psychotherapy for patients and their relatives individually and in group), Clinic for Children were conducted on Tuesdays, Thursday & Saturdays.
- iii) ECTE were given on all 6 days a week in the morning. All the ECTs are given under anaesthesia.

RESEARCH : A research project 'Relapse in Schizophrenic patients' is going on. Achievements of Dr. Manilal Gade, Head Department of Psychiatry during 1988.

III CONFERENCES & SEMINARS :

Honorary Medical Officer (Psychiatrist) attended following conferences and seminars in 1988.

1. 40th annual conference of India Psychiatric Society, held at Varanasi from 2nd to 5th January 1988.
2. Regional Workshop on Drug dependence (under the auspices of Government of India, Ministry of Health & Family Welfare) held at Seth G. S. Medical College & K. E. M. Hospital from 29th to 31st July 1988.
3. 19th annual Conference of India Psychiatric Society West Zone, held at Kolhapur on 8th & 9th October 1988 and read a paper on 'Post-psychotic Depression in Schizophrenic Patients A Prospective study of 164 cases'.

The Medico-Social worker attached to the unit was encouraged to attend seminar & workshops with the intention of utilizing their knowledge for the betterment of their patients attending their unit.

7. DEPARTMENT OF TUBERCULOSIS

This department consists of only one unit. It is looked after one Asstt. Honorary Medical Officer (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.	266	94	1	—	361

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	c1 1308
T. A. B.	c1 158

9. DEPARTMENT OF EAR, NOSE AND THROAT :

This department consist of one unit. This unit is looked after by Honorary Medical Officer (Ear, Nose & Throat Surgeon) Registrar & House Surgeon. This unit conducts O. P. D. & Emergency Services thrice a week. (Appendix 3 and 4).

The article of the Eipedal Myocutaneous Flap for one stage reconstruction of the Cheek after cancer Surgery Dr. Bragendra Baser, the then lecturer in the unit has been published by the 'The Journal of Laryngology and Otology. Vol. 102, No. 7 July 1988.

Statistical Date of cases admitted in E. N. T. Ward.

Sex	In the hospital on the midnight 31-12-87	Admitted during the year	Total	Discharged		Death	Remaining in the hospital on the midnight 31-12-88
				Cured	Otherwise		
Male	7	495	502	312	176	6	8
Female	8	501	509	395	105	1	8
M/ch	2	110	112	95	15	—	2
F/ch	5	141	146	132	12	—	2
Total	22	1247	1269	934	308	7	20

Statistical Information of New O. P. D./Casualty attendance.

	Male	Female	M/ch	F/ch	Total
O. P. D.	1240	1247	747	570	3804
Casualty	1484	722	604	399	3209

E. N. T. OPERATION

Major	435
Minor	564
Total	999

10. DEPARTMENT OF SKIN & V. D.

This department consists of only one units. It is looked after one Asstt. Honorary Medical Officer Dermatologist, Registrar & House Physician. This department functions on all days of the week except Sunday. (Appendix 3 & 4).

Statistical Data of cases admitted in Skin & V. D. Ward.

Sex	In the hospital on the midnight 31-12-87	Admitted during the year	Total	Discharged		Death	Remaining in the hospital on the midnight 31-12-88
				Cured	Otherwise		
Male	8	248	256	234	18	1	3
Female	2	115	117	96	18	—	3
M/ch	1	17	18	12	5	—	1
F/ch	—	11	11	8	2	—	1
Total	11	391	402	350	43	1	8

Statistical Information of New O. P. D./Casualty attendance.

	Male	Female	M/ch	F/ch	Total
O. P. D.	3279	2039	1400	1064	7782
Casualty	959	316	252	163	1690

11. DEPARTMENT OF OPHTHALMOLOGY :

The ophthalmology department has two units running the Ophthalmic O. P. Ds & O. Ts everyday. Each unit has a Honorary Medical Officer (Ophthalmic Surgeon) Registrar & a houseman.

These units catered to 4413 new Ophthalmic patients this year. The total number of admissions were 1001. 1028 operations were done including retinal detachment surgeries, squint surgeries, lensectomy & vitrectomy, intraocular lens implants & intraocular foreign body removals. Emergency operations included corneal & scleral tear suturings.

Recently, eye Bank has been started with facilities for attending eye donation calls at the earliest & doing emergency Keratoplasty. 31 Keratoplasties (Optical & Therapeutic) were done in year 1988.

Post graduate clinics are being held every week & regular seminars are held along with residents of ophthalmic department of Sion Hospital, as teaching programme for the post graduate students.

The Library is regularly updated with the latest ophthalmic books. We received 23 new books in the year 1988 & regular issues of the ophthalmic Journals.

Administrative approval is obtained to start eye bank. Sanction of Government is awaited. (Appendix 3 & 4)

Statistical Data of cases admitted in Ophthalmic Ward.

Sex	In the hospital on the midnight 31-12-87	Admitted during the year	Total	Discharged		Death	Remaining in the hospital on the midnight 31-12-88
				Cured	Otherwise		
Male	16	517	533	405	124	—	4
Female	11	418	429	295	127	—	7
M/ch	1	39	40	39	1	—	—
F/ch	1	27	28	24	3	—	1
Total	29	1001	1030	763	255	—	12

Statistical Information of New O. P. D./Casualty attendance.

	Male	Female	M/ch	F/ch	Total
O. P. D.	1972	1593	505	343	4413
Casualty	979	624	178	102	1883

OPTHALMIC OPERATION

Major	631
Minor	397
Total	1028

12. DEPARTMENT OF DENTISTRY :

This department consists of only one Unit which is looked after by a Honorary Assistant Medical Officer (Dental Surgeon) and a Tutor. This unit function on all days of the week except Sundays.

Statistical information of New OPD/Casualty attendance.

	Male	Female	M/ch	F/ch	Total
O. P. D.	1322	1380	487	315	3504
Casualty	557	289	193	115	1134

Total No. of Extraction	2939
Total No. of Fillings	347
Total No. of Scallings	220
Total No. of Traction	2
Total No. of Operations	53

13. DEPARTMENT OF OCCUPATIONAL THEREPY & PHYSIO—THERAPY :

This department consists of one full time unit and functions on all days of the week except Sunday.

Yearly workload is as under :

Indoor attendance	48322
O. P. D.	72544
Sarvodaya	12590
Total	133456

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. from Municipal Employees. Municipal Employees are examined by the A. M. O. on duty. On an average 20 Municipal Employees take advantage of this facility daily.

15. FAMILY WELFARE CENTRE :

Family welfare activity at Rajawadi Hospital this year also was remarkable.

1. **Targets :** the target set for this hospital has been completed.

Sterilisation	...	960
I. U. C. D.	...	355
Condoms	...	18075
Oral Pills	...	239

2. **Post-partum Centre :** Government has awarded Post-partum centre to this hospital. Vehicle is given by Government. Unfortunately it is to be established after the appointment of staff.

3. **Camps :** Laparoscopy/Hysteroscopy camps are held at Family Planning O. T. Candidates from different parts of India were posted here for Laparoscopy/Hysteroscopy.

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 clinic during the year 1988 is as follows :

DEPARTMENT	NEW	OLD	TOTAL
Paediatric	1807	10534	12341
Ophthalmic	694	2940	3634
E. N. T.	846	4889	5735
Skin	412	2347	2759
Dental	560	3059	3619
Orthopaedic	39	151	190
Surgical	26	59	85
T. B.	104	1379	1483
TOTAL	4488	25358	29846

17. LEPROSY CLINIC :

Leprosy clinic functions once a week i. e. on Thursday 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 55.

18. RADIOLOGY DEPARTMENT :

This department is looked after by a Honorary Medical Officer (Radiology) and Registrar. The work load of the department is as under :

No. of Indoor-patient X-Rayed	...	11610
No. of Out-door patient	...	29834
Total	...	41444

19. MEDICO-SOCIAL WORKER : (Section-I)

Total number of cases referred during the year 1988 under different categories.

Categories	No of cases	Total no of times These cases visited S. S. Department
1. Medical Aid	144	306 (Approximately)
2. Unmarried mothers for MTP and giving children in adoption.	10	25
3. MISC. i. e. for other reasons seeking job Orthopaedic cases and other aids.	8	19
4. Psychiatric cases for cases work and counselling	52	497
Total No of cases	214	

II. No of social service institutions and agencies contacted for donation and other material help are about 20. Some of them are follows.

1. Abhilasha Mahila Mandal.
2. Narayan Seva Mandal.
3. Cancer patients Aid Association.
4. Ostomy Association of India.
5. Shradhanand Mahilashram.
6. Children of the world etc.

III. No of employees contacted for job oriented and other problem. 4

IV. N. S. S. HOSPITAL PROJECT :

Medico-social worker handles the N. S. S. Hospital project of

- 1) Somaiya College of Arts & Commerce
- 2) Somaiya College of Science
- 3) Smt. P. N. Doshi Women College

Under this project following activities are conducted.

i) Recreational projects like celebrations and decorations on Narali Poonnima, Diwali & X'mas are arranged with the help of N. S. S. students, N. S. S. students also help the Hospital staff on different occasions like celebration of hospital day on 2nd Oct. 1988.

ii) N. S. S. students goes to different wards and talks with patients helps them in daily routine & given them emotional support etc.

iii) Social worker given them orientation lectures and also supervise their activities.

iv) Few lectures on medical subjects are arranged for N. S. S. students.

v) N. S. S. students comes and helps the hospital staff at the time of emergencies like major accident, burns etc.

vi) The Social worker attends Psychiatry O. P. D. from Monday to Saturday from 9-00 A. M. to 12 noon The duties performed by her are as follows.

i) Taking down the complaints and family history of newly registered patients. This year total number of newly registered patients are 835.

ii) Social case work and counselling. This year 52 patients were referred for case work and counselling. Total number of interview sessions are about 497.

vii) Medico Social Worker attended a workshop on the "Promotion of Genetic Counselling in Community Centres" on 19th, 20th Sep. 88 at Tata Institute of Social Sciences. She received special prize for doing good work in the field of social work in the Pragati Sneh Sammelan Function held on 2nd Oct. 1988 at Rajawadi Hospital.

MEDICO SOCIAL WORKER (Section II)

This report basically consists of our regular job, work as special task achieved by the department.

1. **Scrutinization** : Patients Socio-Economic condition is analysed accordingly and various types of helps are formulated in the form of medicine quota. This is done through the following ways.

A. T. B. Patients Cap. Rifampicin and other costly drugs.

B. High Blood pressure Tab. Aldomet.

C. Diabetic Patients Inj. -lente Insulin/Plain Insulin per day. This department handles 60 to 80 old patients for sanction and 4 to 5 new patients for quota fixation. On an Average the work load of the month is 1600 to 1800 patients.

2) **Financial Subsidy** : Financial concession are given to the needy patient after through counselling. For O. P. D. patient only for X-Ray, E. C. G. & Overstay charges. 180 patients per month have been helped by waiving the above charges and yearly 2860 patients.

3) **Financial Subsidy to the Orthopaedic patients :**

This department help the handicapped patients to have a ray of hope and to regain the loss of confidence in their life due to deformities. They need various types of financial concession to buy various types of appliances, according to the severity of the ailment & only after knowing the socio economic condition necessary help is given. In this hospital it is observed that patient needs to have hospitalisation for period of 6 to 8 months and such are transferred to Sarvodaya Hospital where they are visited regularly and need of patient met.

Orthopaedic appliances : Some of the patients needs special appliances, Most of them are from the poorstarta of the Society, who cannot afford to buy the required appliances. In needy cases contacts to various charitable Institutions, personal donor and other social organizations for donations is sought. Help is also given from Poor Box Fund of Rajawadi Hospital.

Following are the list of the appliances and the organizations who have rendered help for this hospital patients.

Name of the Donors.

- | | |
|---------------------------------------|------------------------------------|
| 1. Coller | 1. K. D. Agarwal Charitables Trust |
| 2. Crutches | 2. Adavani Charitable Trust |
| 3. L. B. Belt | 3. Sanjivani Trust |
| 4. C. & E. Heels Boots | 4. Mrs. Dgnani, Ghatkopar |
| 5. Below Knee calipar | 5. Mrs. Vaidya, Ghatkopar |
| 6. Full length calipar | |
| 7. Toylors Bracewith oxilary crutched | |

4) **Diagnostic Subsidy** : Financial concessions given to the needy patients in the following areas :

Orthopaedic patients	...	25 patients
Mylogram	...	6 patients
Bone cement	...	2 patients
C. T. Scan	...	6 patients

Group Activities :

1) Social service Department have taken active participation in organizing in Pragati Sneha Sammelan on 2nd Oct. 88 which has been grand success and given great Psychological relief to the patients and staff. It has created a sense of belongingness.

2) Ward patients library-This Library is successfully run through N. S. S. students throughout the year to give recreative time to the ward patients. It is implemented vigorously in all the ward.

Future Plan : To start the diabetic clinic in our social service department with beneficiary purpose in two ways.

- 1) Follow up all medical diabetic patient.
- 2) To keep the control on quota on inj. insulin.

20) **LIBRARY :**

The total number of books added to the Library during the 1988 was 121 as against 80 (Please see Appendix No. 10) During the previous year 4 books are not supplied by the books sellers because of the books were not available in the market. Total 9 books are likely to be coming.

The Library had Subscribed 28 Medical Journals as against 24 in the previous year.

The Library had the end of the year 1352 books as against 1230 during the previous year.

21. **SARVODAYA HOSPITAL :**

Rajawdi Hospital has got 70 beds at Sarvodaya Hospital, Ghatkopar, Bombay-77, for treating conalescent Orthopaedic patient. Those beds are rented one by making payment of Rs. 25/- daily per bed.

One Jr. A. M. O. (Orthopaedio) and one staff nurse has been appointed for looking after these patients at Sarvodaya in addition Sarvodaya hospital's routine staff.

22. **MEDICAL RECORD DEPARTMENT :**

Recovery of fees from outdoor and indoor patients from 1st January 1988 to December 1988.

O. P. D. Patients	Rs. 36,4,323
Indoor patients	Rs. 19,6,850
Receipts/Overstay	Rs. 21,2,001
4th Delivery charges	Rs. 1,1,150
Total	Rs. 78,4,324

Medico-Legal Section :

1. Issue of Police certificate	2712
2. Doctor deputed to Session Court	26
3. Doctor deputed to Metropolitan Court	149
4. Records made available to Registrat Motor Accident Tribunal Court	32

Other revenue collection at Rajawadi Hospital

1. Certificate and Poor Box Charity	Rs. 30,934.00
2. X-ray (Donation).	Rs. 6,76,288.00
3. Donations	Rs. 900.00
4. E. C. G. (Donation)	Rs. 35,520.00
5. Paying Bed Revenue	Rs. 81,192.50

Highlights (Comparison between 1987-88)

No of inpatients has increased from 28,697 to 29,430. Daily average inpatients has increased from 459 to 468. Total Indoor attendance has increased from 1,67,570 to 1,71,116. The O. P. D. attendance (New) including Casualty has increased from 1,58,228 to 1,71,148. The daily O. P. D. Average of new patients has increased from 522 to 560. The No of operations has increased from 15,626 to 15,000. However major operations have gone from 2,556 to 3,265. Total expenditure has increased 2,93,05,295 to 1,45,29,471.

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. 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.

8. 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.

9. Provided good accommodation to R. M. O.s. The R. M. O.s quarters are under repairs in which rooms are made bigger by removing small walls and these providing better ventilation and safety by enclosing the repaired passager.

10. Expansion of Canteen facilities by providing larger space by including the passage to the present space by fixing decorative grills on the verandsh and removal of wall between Verandah and passage, with these changes the canteen will be provided with better ventilation and pleasant atmosphere.

11. For the entertainment of R. M. O.s a colour T. V. and V. C. R. has been provided through voluntary donations amongst hospital staff.

12. The construction of an office for the Accountant in this hospital adjacent with the office of the Medical Superintendent on the 1st floor Bldg. No. 2. This office will be able to speedy disposal of Accounts matters.

13. Construction of an office for the security officer of this hospital near Gate No. 1.

14. Providing Orthopaedic facility by creating two Orthopaedic units so that these will be daily Orthopaedic Operations and O. P. Ds.

15. Providing overhead water tanks as replacement to the old leaky ones.

16. Shifting of dumping space of Ward offices to some other place from the hospital Campus.

17. Provided sophisticated electronic machinery viz. ultrasonographic machine, operating microscope, vitrectomy machine, etc.

18. Maintenance and provision of hospital deak stock material cots, trolley etc.

19. Renovation of lecture Hall and Matron office.

20. Provided proper drainage system in the hospital and maintenance of hospital Garden Island and Passages.

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.

FUTURE DEVELOPMENTS :

1. A Surgical Intensive Care Unit having 6 beds is being set up next to the Casualty. Proposal for staff, furniture and equipment is being finalised. This Surgical Intensive Care Unit will be manned by Doctors round the clock.
2. Setting up an Eye Bank is administratively approved and necessary detail proposals for procurement of staff, furniture, material is in process.
3. Starting a Paediatric Intensive Care Unit and a Premature Baby Care UNit is in process.
4. A proposal to establish a Cancer detection centre at this hospital is under process.
5. The Government of Maharashtra has sanctioned a post Partun Centre at this hospital from the year February 1988 vide No. FFB/4686/195/Cr-18/FW-II of 25-1-1988.
6. To provide clinical training to the students of Somaiya College at Rajawadi Hospital is in process.
7. To construct of a 11 storey building in the hospital compound for providing better medical facilities.
8. To provide a Diesel Generator set to take over the electric supply to the hospital when the regular supply is tripped and construction of a seperate room for the same.
9. Starting of an A. I. D. S. detection centre.
10. To start a Ayurvedic and Homeopathic O. P. D. at this Hospital.

APPENDIX No. I

Distribution of beds according to Departments and Sex.

DEPARTMENT	MALE	FEMALE	CHILDREN	TOTAL
MEDICAL	34	35	—	69
SURGICAL	57	21	—	78
BURNS	—	12	—	12
GYNAECOLOGY	—	51	—	51
OBSTETRICS	—	108	—	108
PAEDIATRICS	—	—	76	76
OPHTHALMIC	20	13	—	33
SKIN and V. D.	10	10	—	20
E. N. T.	16	13	—	31
ORTHOPAEDICS	19	20	—	39
M.I.C.U.	7	4	—	11
PAED. SURG.	—	—	6	6
SIDE ROOM				
Medical	8	2	—	
Surgical	2	—	—	
Obstetrics	—	2	—	26
Gynaec	—	9	—	
Orthopaedics	2	1	—	
TOTAL	175	303	82	560

APPENDIX No. II

No. of accident cases treated.

SEX	TREATED IN CASUALTY DEPARTMENT 1987	ADMITTED THROUGH CASUALTY DEPARTMENT 1988.
MALE	12332	2432
FEMALE	4347	1215
CHILDREN (MALE)	1753	612
(FEMALE)	949	438
TOTAL	19381	4697

APPENDIX — III

Statement showing the Out-Patients (New O. P. D. Casualty) attendance in Rajawadi Hospital during the year 1988 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	7668	7474	—	—	15142	8801	5392	—	—	14193
Surgical	4082	2104	890	541	7617	14886	5427	2780	1590	24383
Orthopaedic	2055	1484	795	560	4894	3029	1218	955	477	5679
Gynaec	—	6349	—	—	6349	—	4401	—	—	4401
Dental	1322	1380	487	315	3504	577	289	193	115	1154
Skin and V.D.	3279	2039	1400	1064	7782	959	316	252	163	1690
E. N. T.	1240	1247	747	570	3804	1484	722	604	399	3209
Psychiatric	433	272	8	—	713	—	—	—	—	—
Ophthalmic	1972	1593	505	343	4413	979	824	178	102	1883
Paediatric	—	—	8513	6940	15453	—	—	4877	3487	8364
Maternity	—	6718	—	—	6718	—	—	—	—	—
Anti-rabic	—	—	—	—	—	867	321	487	219	1894
T. B.	266	94	1	—	361	—	—	—	—	—
B. M. E.	—	—	—	—	—	1939	1123	836	460	4358
Tripla Polio	—	—	8028	6878	14906	—	—	—	—	—
Ped. Surgery	—	—	350	258	606	—	—	—	—	—
B. C. G.	—	—	4023	3655	7678	—	—	—	—	—
TOTAL	22317	30754	25747	21122	99940	33201	19833	11162	7012	71208

APPENDIX IV

Summary of in-patients classified according to Departments and Sex.

Department & Sex	In the hospital on the midnight 31-12-87	Admitted during the year 1988	Total	Discharged		Death	Remaining in the hospital on the midnight 31-12-88
				Cured	Otherwise		
1	2	3	4	5	6	7	8
MEDICAL							
Male	27	2451	2478	1600	650	200	28
Female	23	1630	1653	1100	422	115	16
Total	50	4081	4131	2700	1072	315	44

APPENDIX IV (Contd.)

Department & Sex	In the hospital on the midnight 31-12-87	Admitted during the year 1988	Total	Discharged		Death	Remaining in the hospital on the midnight 31-12-88
				Cured	Otherwise		
1	2	3	4	5	6	7	8
SURGICAL							
Male	42	3085	3127	2200	791	94	42
Female	16	1186	1202	930	222	39	11
M/ch	9	295	304	210	86	2	6
F/ch	1	180	181	150	28	1	2
Total	68	4746	4814	3490	1127	136	61
OPHTHALMIC							
Male	16	517	533	405	124	—	4
Female	11	418	429	295	127	—	7
M/ch	1	39	40	39	1	—	—
F/ch	1	27	28	24	3	—	1
Total	29	1001	1030	763	255	—	12
GYNAEC							
Female	38	2646	2684	2600	57	2	25
Total	38	2646	2684	2600	57	2	25
SKIN & V. D.							
Male	8	248	256	234	18	1	3
Female	2	115	117	96	18	1	3
M/ch	1	17	18	12	5	—	3
F/ch	—	11	11	8	2	—	1
Total	11	391	402	350	43	1	8
M. I. C. U.							
Male	3	744	747	500	37	203	7
Female	—	314	314	160	37	116	1
M/ch	—	—	—	—	—	—	—
F/ch	—	—	—	—	—	—	—
Total	3	1058	1061	660	74	319	8
ORTHOPAEDIC							
Male	31	1190	1221	450	705	28	38
Female	15	601	616	250	331	18	17
M/ch	5	148	153	60	90	—	3
F/ch	3	107	110	40	68	—	2
Total	54	2046	2100	800	1194	46	60
E. N. T.							
Male	7	495	502	312	176	6	8
Female	8	501	509	395	105	1	2
M/ch	2	110	112	95	15	—	2
F/ch	5	141	146	132	12	—	2
Total	22	1247	1269	934	308	7	20

Department & Sex	In the hospital on the midnight 31-12-87	Admitted during the year 1988	Total	Discharged		Death	Remaining in the hospital on the midnight 31-12-88
				Cured	Otherwise		
1	2	3	4	5	6	7	8
BURN							
Male	4	110	114	60	5	43	6
Female	6	339	345	100	31	202	12
M/ch	2	38	40	32	4	2	2
F/ch	1	34	35	20	7	5	3
Total	13	521	534	212	47	252	23
MATERNITY							
Female	64	7464	7528	7400	16	10	102
Total	64	7464	7528	7400	16	10	102
PAEDIATRIC							
M/ch.	19	2193	2212	1938	45	212	17
F/ch.	15	1650	1665	1234	215	198	18
Total	34	3843	3877	3172	260	410	35
Grand Total :	386	29044	29430	23081	4453	1498	398

APPENDIX NO. 5

COST PER IN-PATIENT AND OUT PATIENT PER DAY

1988

Year	Establishment	Contingencies	Durgs & Medicines	Diet	Stores & linen	Repairs maintenance special repairs new work	Total
1	2	3	4	5	6	7	8
In-Patients							
1988	91.89	11.34	24.76	5.53	6.10	1.63	141.25
Out-Patients							
1988	2.18	0.26	0.73	...	0.13	0.6	3.36

APPENDIX No. 6.

DEPARTMENT OF PATHOLOGY

1. BACTERIOLOGY AND SEROLOGY

(Yearly workload of 1988)

1. Gram Stain	5999	2. A. F. B. Stain	649
3. Albert Stain	177	4. Clot culture	452
5. Blood Culture	103	6. Pus culture	419
7. Urine Culture	1412	8. Sputum culture	102
9. CSF Culture	1026	10. Stool Culture	352
11. Throat swab	107	12. Eye swab	53
13. Ear Swab	23	14. Anti-biotic Sensitivity Test	1392
15. Urethral Smear	8	16. Biochemical Test	1392
17. Pleural Fluid culture	—	18. Peritoneal fluid culture	82
19. Hydrocele fluid culture	—	20. Sinereal fluid culture	—
21. Wound Swab	—	22. Umbilical sqabs	—
23. Ulcer Swabs	—	24. Bronchial Aspiration	—
25. Nasal swabs	—	26. Pharyngeal Swab	—
27. Miscellaneous	77	28. O. T. Sterility	2641
29. Blood V.D.R.L. Indoor—O.P.D.	13181	30. C.S.F. V.D.P.L.	—
31. Blood Bank V.D.R.L.	1845	32. Blood Widal	503
33. Blood Paul Bannel	—	34. R. A. Test	325
35. Pregnancy Test	—	36. Casoni's Test	—
37. Widal	—		

MEDIA PREPARATION AND STERILIZATION

1. Macconkey's Agar	72,000 ml.
2. Nutrient Agar	72,000 ml.
3. Brain Heart infusion Agar.	24,000 ml.
4. Glucose both	72,000 ml.
5. Nutrient both	24,000 ml.
6. Thioglycolate Media	30,000 ml.
7. MR VP Media	36,000 ml.
8. TSI Stant	36,000 ml.
9. Citrate Media	48,000 ml.
10. Peptone Water	72,000 ml.
11. Selenite broth	36,000 ml.
12. Peptone Water	24,000 ml.
13. Blood Agar	16,800 ml.

STAIN

1. Gram's Violet	12,000 ml.
2. Gram's Iodine	12,000 ml.
3. Safranine	12,000 ml.
4. Albert's 'A'	12,000 ml.
5. Albert's 'B'	6,000 ml.
6. AFB Stain	12,000 ml.

BLOOD BANK SECTION (YEARLY WORK LOAD)

1. Voluntary Donor	1105
2. Replacement Donors	586
3. From other Hospitals	245
4. Blood used for Rajawadi Hospital	1283
5. Blood bottles given to other Hospital.	451
6. Blood bottles given Haffkine Institute.	137
7. Discarded Blood Bottles	27

BIOCHEMISTRY DEPARTMENT :

1. Blood Glucose	20854
2. Blood Urea Nitrogen	12140
3. Serum Creatinine	9884
4. Serum Uric Acid	258
5. Serum VLDL Cholesterol	150
6. Serum Cholesterol	4014
7. Serum HDL Cholesterol	1194
8. Serum LDL Cholesterol	150
9. Serum Total Protein	6880
10. Serum Albumin	6880
11. Serum total Bilirubin	6478
12. Serum total Direct bilirubin	6478
13. S. G. O. T.	8846
14. S. G. O. T.	8864
15. Serum Analyse	264
16. Serum Calcium	288
17. Alkaline Phosphatase	1152
18. Prothrombin time	192
19. Prothrombin Index	192
20. Serum Electrolyte Na.	6794
21. Serum Electrolyte K.	6794
22. L. D. H.	260
23. Triglyceride	766
24. O.K.P.	474
25. HB A. C.	50

APPENDIX — No. 7

Workload of Audiology and Speech Therapy

1) Total No. of Audiograms	795
2) Total No. of speech cases	93

TYPE OF SPEECH CASES

1) Aphasia	6
2) Mental Retardation	5
3) Dyslalia	12
4) Hard of Hearing	21
5) Delayed speech and language	4
6) Voice disorders	26
7) Stammering	15
8) Dysarthria	2
9) Cerebral Palsy	1
10) Nasality	1

PHARMACY SECTION

1) Quantity of stock solution preparation.	3864 Ltrs.
2) Number of packets of tablets made.	4515300
3) Number of packets of powder prepared.	—
4) Special prescription.	—
5) Prescription where special drug is issued and account is kept.	—
6) No. of O. G. O. P. D. prescription account kept.	123000
7) Syrup Samples.	—
8) Stock mixture prepared.	11000
9) Ointment prepared.	175
10) Lotion prepared.	5251

Electro-cardiogram Section

Indoor Patients.	3698
O. P. D. Patients.	3327

7225

APPENDIX — VIII
DEATH REPORT FOR THE YEAR 1988
DEPARTMENT WISE STATISTICS

DEPARTMENT	MALE	FEMALE	MALE	FEMALE	TOTAL
MEDICAL	200	115	—	—	315
SURGICAL	94	39	—	—	133
BURN	43	202	2	5	252
M. I. C. U.	203	116	—	—	319
E. N. T.	6	1	—	—	7
LABOUR WARD	—	10	—	—	10
ORTHOPAEDIC	28	18	—	—	46
OPHTHALMIC	—	—	—	—	—
SKIN	1	—	—	—	1
PAEDIATRIC	—	—	212	198	410
GYNAEC	—	2	—	—	2
PED. SURGERY	—	—	2	1	3
TOTAL	575	503	216	204	1498

APPENDIX—IX
DEPARTMENT-WISE OPERATIVE WORK DURING 1988

Department	Major	Minor	Total
Orthopaedic	731	5427	6158
Ophthalmic	631	397	1028
E. N. T.	435	564	999
Surgical	621	1264	1885
Gynaec	847	1252	2099
Minor O. T.	—	2861	2861
Total	3265	11735	15000

APPENDIX No. 10.

Expenditure incurred on Books and Medical Journals for the last five years.

Year	No of Books	No of Journals	Expenditure	Expenditure	Total
			incurred on Books	incurred on Journals	
			Rs.	Rs.	Rs.
1984-85	49	28	11,421.61	32,415.00	43,836.61
1985-86	34	32	18,603.18	37,308.20	55,911.38
1986-87	60	34	31,507.30	37,265.70	68,773.00
1987-88	80	24	63,601.00	33,310.93	96,911.93
1988-89	121	28	90,975.26	51,995.25	1,42,970.51

APPENDIX NO. 11

Departmentwise operative work for the period from 1984 to 1988.

DEPARTMENT	1984	1985	1986	1987	1988
SURGICAL					
Major	514	474	607	554	621
Minor	1437	1501	1680	1338	1264
TOTAL	1951	1975	2287	1892	1885
ORTHOPAEDIC					
Major	567	516	543	556	731
Minor	6029	5541	5226	6622	5427
TOTAL	6596	6057	5769	7178	6158
OPHTHALMIC					
Major	593	520	576	510	631
Minor	124	172	387	470	397
TOTAL	717	692	963	980	1028
E. N. T.					
Major	158	226	248	215	435
Minor	449	413	420	484	564
TOTAL	607	639	668	699	999
GYNAEC					
Major	650	708	754	721	847
Minor	1650	1627	1432	1279	1252
TOTAL	2300	2335	2186	2000	2099
MINOR O. T.					
Minor	3261	2299	2791	2877	2861

K. B. BHABHA HOSPITAL, BANDRA,

ADMINISTRATIVE REPORT FOR THE YEAR OF 1988.

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 of the year of 1988 is as under :—

HIGH LIGHT :

I. EXPENDITURE

(A) 1. On Inpatients	Rs. 80,43,445/-
2. On Out Patients.	Rs. 76,68,580/-
(B) Average Cost Per Patients	
1. On Inpts.	Rs. 116.70
2. On Outpts.	Rs. 12.45

II. RESULT—INPATIENTS

1. Schedule Bed Streignth.	400
2. Daily Average of Inpts.	338
3. Admission Including those brought over previous year.	16,874
4. Discharge As :—	
(i) Relived	216
(ii) As a cured	15,393
(iii) Transfer Other-Wise	289
(iv) Expire	419
(v) Remaining in the Hospital on the last day of the year.	345
(vi) Daily Average No. of Admission	55
(vii) Average stay of Inpatient	10 Days
(viii) Highest No. of Inpts. in a single day.	398
(ix) Highest No. of Admission in a single day.	80

(II) OUT-PATIENTS

1. New Out-Patients attendance	2,15,758
2. Old Out-Patients attendance	6,81,991
3. Daily Average Outpatients	2,956
4. Highest O.P.D. attendance in a single day	3,879
5. No. of Casualty attendance	56,120

(C) OPERATION :—

1. Major Operation	2,011
2. Minor Operation including M.O.T O.P.D. and Casulty.	20,781
3. Imergency Operation	221

(D) CONFINEMENTS :—

1. Booked Cases	5,985
2. Emergency Cases	146
3. Normal Cases	4,780
4. Abnormal Cases	452
5. Left-before delivery	81

(E) ENO—NATAL AND NATURAL DEATHS :

1. Maternal Death	12
2. Neo-Natal Deaths	58
3. Still Birth	169
4. Premature live born Infants	181

(F) SPECIALISED TREATMENT

1. Sterilisation Male	Nil
2. Sterilisation Female	423
3. I.U.C.D.-Insertion	429
4. M. T. P.	346
5. Disease-wise distribution of cases treated and deaths including and S.T.D. 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 Speech Therapy.
11. Pathological Laboratory
12. Dental
13. Blood Bank
14. Family Planning Centre
15. Municipal Staff Evening Dispensary
(6.00 p.m. to 8.00 p.m.)
16. Anti-Rabic Threatment Clinics.
17. Issue and authentication centre of International Health
Certificates and inoculation centre.
18. Immunization Centre if B.C.G., Polio, and Triple
19. Speech Therapy and Audiology
20. Food Handling Scheme
21. Mobile Dispensaries
22. Municipal Medical Examination (MME / LMME)
23. Casualty
24. Inservice training programme for Medical, Para-Medical and Laboratory Staff.
25. E. C. G. Department.
26. X'ray Department
27. Orthopaedic.
28. I. C. C. U. and I. C. U.
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. SHANBAGH	ASSTT. MEDICAL OFFICER
Dr. (Smt.) M. K. SADARANGANI	ASSTT. MEDICAL OFFICER
Dr. (Smt.) M. M. FURTADO	ASSTT. MEDICAL OFFICER
Dr. (Smt.) S. K. MENGLA	ASSTT. MEDICAL OFFICER
Dr. (Smt.) M. A. RASQUINHA	ASSTT. MEDICAL OFFICER
Dr. (Smt.) K. V. PRASAD	ASSTT. MEDICAL OFFICER
Dr. (Smt.) S. M. KULKARNI	ASSTT. MEDICAL OFFICER
Dr. (Smt.) P. V. MULCHANDANI	ASSTT. MEDICAL OFFICER
Dr. (Smt.) S. S. KUKREJA	ASSTT. MEDICAL OFFICER
Dr. (Smt.) S. S. CHURMULE	ASSTT. MEDICAL OFFICER
Dr. (Smt.) BARUCHA	ASSTT. MEDICAL OFFICER
Dr. B. C. PAI	ASSTT. MEDICAL OFFICER
Dr. DEEPAK SHARMA	ASSTT. MEDICAL OFFICER
Dr. M. A. ADWANI	ASSTT. MEDICAL OFFICER
Dr. S. P. SONAWANE	ASSTT. MEDICAL OFFICER
Dr. M. A. BUDHKAR	ASSTT. MEDICAL OFFICER
Dr. PANJABI	ASSTT. MEDICAL OFFICER
Dr. NILIMA BREGENZA	ASSTT. MEDICAL OFFICER
Dr. SARANG	ASSTT. MEDICAL OFFICER

LIST OF HONARARIES AND ASST. HONARARIES

NAME OF THE DOCTOR'S	UNITS	WORKING AS A
Dr. (Smt.) P. S. PARALKAR (M.D.D.G.O.)	GYNAEC & Obst. A.N.C/P.N.C.	FULL—TIME GYNAECOLOGIST
Dr. (Smt.) A. M. JOSHI (M.D.D.G.O.)	—”—	ASSTT. HON. GYNAECOLOGIST
Dr. SHRIKANT PURANDARE (M.D.D.G.O.)	—”—	ASSTT HON. GYNANCOLOGIST.
Dr. A. M. VIRKUD (M.D.D.G.O.)		
Dr. M. K. JOSHI (M.D.D.Ch.)	PAEDIATRIC	HON. ASSTT. PAEDIATRICIAN
Dr. (Smt.) S. S. WAGH (M.D.D.Ch.)	—”—	HON. ASSTT. PADIATRICIAN
Dr. A. R. BHIDE (M.D.D. Ch.)	—”—	HON. ASSTT. PADIATRICIAN.
Dr. ULHAS NADKARNI [M.D.(BOM.)F.I.C.A.(U.S.A.)]	MEDICAL	HON. ASSTT. PHYSICIAN
Dr. AJIT DESAI [M.D.(BOM.)]	—”—	HON. ASSTT. PHYSICIAN
Dr. J. B. SHAH (M.S.)	SURGICAL	HON. ASSTT. SURGEON
Dr. T. SATYENDRA [M.S. (BOM.)]	SURGICAL	HON. ASSTT. SURGEON
Dr. N. S. V. CHARI (M.D.D.U. & D.)	SKIN	HON. ASSTT. SKIN AND S.T.D.
Dr. HEMANT K. SHEODE [M.S.(E.N.T.)]	E.N.T.	HON. ASSTT. E.N.T. SURGEON
Dr. A. S. PRABHU [M.S.(OPHT.)]	OPTHELMIC	HON. ASSTT. OPTH. SURGEON (PART-TIME)
Dr. VASANT SHEVALE (M.D.S.)	DENTAL	HON. ASSTT. DENTIST
Dr. L. U. BUTTANI (B.D.S.)	DENTAL	PART-TIME DENTIST.
Dr. A. S. GOKHALE (B. D.S.)	DENTAL	PART—TIME DENTIST.
Dr. C. J. THAKKAR [M.S. (ORTHO.)].	ORTHOPAEDIC	HON. ASSTT. ORTHOPAEDICS SURGN.
Dr. R. D. KAMATH M.S. ORTHO.	ORTHOPAEDIC	HON. ASSTT. ORTHO. SURGN.

IMMUNIZATION WORK DURING 1988 IS AS UNDER

Immunization	1st Dose	2nd Dose	3rd Dose	4th Dose	5th Dose	Booster
1. Triple Vaccination	2,079	1,881	1,146	—	—	1,226
2. Polio Vaccination	2,081	1,906	1,166	—	—	1,243
3. Tetanus Toxide	5,133	3,169	1,980	—	—	—

O. P. D. T. T.		20,138
New Born Baby given B. C. G.		Nil.
O.P.D. under 1 to 14 years child given B. C. G.		6,545
Anti Cholera.		3,279
T. A. B.		2,746
Domicillary visits by the Health Visitors (Excluding F. P.)		3,143
Family Planning Visits.		2,709
Well Baby clinics (Supply Milk etc.)		Nil.
Attendance of Patients.		
O. P. D. total attendance.		6,81,991
Casualty total attendance.		56,120
Total Admission.		16,874
New born babies.		
Male	3,059	5,549
Female	2,490	
Municipal Staff Dispensary :		
New Cases.		4,132
Old Cases.		5,191
		9,323
Total Cases.		
A. R. V. Cases Treated During the Year of 1988.		
New Cases.		3,488
		22,538

Medical—Legal Work

Type of Medico Legal Cases registered during the year.

Average No. of Cases registered per day	Accident	Homicide	Suicide	Other	Total
48	9,143	1,265	229	1,693	12,330

Type of Medico-Legal work done durin the year.

1. Consumption of Poisoning drugs etc.
2. Minor and Major Injuries.
3. Assaults Injuries.
4. Vehiculars Injuries.
5. Burn Cases.
6. Food Poisoning Cases.
7. Uncouncious and Unmarried delivery cases.

Food Handling Scheme :

This Hospital Conducts Food Handling programme to check Hotel and Canteen workers.

No. of Patients attend food Handling Scheme department during the year of 1988. 2,373

Municipal Medical Examination :

No. of Patients attend Municipal Medical Examination during the year of 1988.

Male Medical Examination (New).	2,965
Male Medical Examination (Old).	5,189

Lady Municipal Medical Examination :

Lady Municipal Medical Examination (New).	730
Lady Municipal Medical Examination (Old)	1,873
Total No. of Municipal Medical Examination attendance	10,757

Mobile Dispensaries Attendance :

Mobile Dispensary (m. v. No. 1)	)	35,948
Mobile Dispensary (m. v. No. 2))	

Blood Bottles were collected and used as under :

1. Total No. of Blood Bottles Collected.	980
2. No. of Voluntary Donors.	521
3. No. of Replacement Doners.	418
4. Brought from other Hospital.	219
5. Bottles used for the Hospital.	498
6. Bottles send to other Hospital.	321
7. Bottles send for pleasma.	80
8. Bottles discharged.	45

The relatives of the patients were motivated to donate blood. Various social organisation were approached for organization 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. Bhartitya Janta Yuva Morcha.
5. Mahim Taluka Youth Congress.
6. Tilak Nandip Mental, Goregaon.
7. Kandiwali 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 Janmorch Purshrut.

RADIOLOGY

The work done during the years as under :—

Investigations	Indoor Patients	Outdoor Patients
1. Barium meal Stomachoenum.	161	197
2. Barium Enema.	21	12
3. Barium Swallow.	12	32
4. Oral Cholestragram.	3	16
5. Urethregrum.	12	25
6. I. V. Pyelogram.	63	97
7. Histolaingoraphy.	21	103
	401	482

Total No. of Patients X-ray taken during the year of 1988.

(30,430)

**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.	45
2. Session Court Cases.	11
3. Coronors Court Cases.	Nil
4. Vehicular Accident Claim Tribunal.	1
5. Judicial Magistrate Court.	Nil
6. A.C.P.'s Inquiries.	Nil

Issues Inquiry Certificates for Police Department.

Issues Injury Certificate for Bandra, Nirmal Nagar, Mahim, Kherwadi, Santacruz, Vile—Parle, Matunga, Dadar Railway Police Stations.	2,145
No. of Private Injury Certificates Issued.	40

Physic and Occupational Therapy.

Indoor Patients.	440
Outdoor Patients.	12,939
Total.	12,493

Audio and Speech Therapy.

Out Patients.	1,131
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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 Nurses.	39
Auxilliary.	91
Mid-Wifes.	Nil
Health Visitors.	2
Total.	150

Family Planning Clinics.

1. No. Person contained for F. P. Education.	818
2. No. of Cases given advice.	5,089
3. No. of active cases following F. P. advice.	1,080
4. Clinical attendance.	6,973
5. No. of Persons.	25,032
6. Vasectomy Done.	40
7. Tubectomy Done.	443
8. No. Cases of supplied piem of Nirodh.	55,220
9. No. of Patients supplied contraceptive spills.	980
10. No. of Cases M. T. P. Done during the year.	519
11. No. of Cases supplied loops.	587

ELECTRICAL CARDIOGRAM.

E. C. G. Diagnosis during the year of 1988 is as under :—

1. Chest Pain.	849
2. I. H. D.	968
3. Hypertension.	193
4. Branchycardis.	87
5. Breeathlessbness	190
6. Within Normal Limit.	266
7. P. C. U.	42
8. Anterior Ing.	43
9. High B. P.	260
10. R. B. RH.	59
11. Asthama.	289
12. Myocardial Infraction.	103
13. S. T. C. Changes.	16
14. C. C. F.	223
15. Low B. P.	40
16. Diabeties.	153
17. Anemia.	183
18. Sinus Trechyardia.	17

Total No. of E.C.G. taken during the year of 1988 : 2,031

Pharmacy.

Pharsacetical preparation for Indoor and Outdoor patients were under during the year is as under :—

1. No. of Peckets Table made.	17,000	Pkts.
2. Quantity of stock mixtures prepared.	12,950	Lts.
3. Stech Mixture Preparation.	16,500	Lts.
4. Oniment Preparation.	800	Kgs.
5. Lotion Prepared Calamina.	7,000	Lts.
B. B.	590	Lts.
C. Violete.	2,000	Lts.
Acriflsvin.	2,000	Lts.
Sodium Hyph.	2,000	Lts.
6. No. of Packet power.		Nil
7. No. of Preparation account hospt.		Nil
8. No. of Preparation where special drugs account kept.	8,000	Bottles.

Pathology.

The Pathological report of the various test for the year is as under :—

1. Blood Routine.	21,343
2. E. S. R.	10,431
3. P. C. V.	9,080
4. Urine Routine.	20,009
5. Blood Routine.	5,130
6. V. D. R. L.	18,743
7. Widal.	418
8. B. T. & C. T.	1,543
9. Blood Grouping.	12,930
10. Rh. O. D.	12,930
11. X—Matching.	445
12. Blood Sugar.	9,963
13. S. G. O. T. & P. T.	980
14. C. S. F.	772
15. Body Fluid.	109
16. Sr. Protine.	469
17. Sr. Billirubin.	469
18. Sr. Creat.	2,809
19. Sr. Cholestoral.	1,563
20. Electrolyte.	1,164
21. P. T. P. I.	1,164
22. Peripherical Smer.	191
23. Seacil.	689
24. Sputum A. F. B.	789
25. Gram Staining.	122
26. Alkaline Phosphet.	148
27. A. N. C.	6,343
28. Histopath.	1,942

T. B. Clinic.

Due to shortage of accomodation T. B. cases were treated in this Hospital in general O. P. D. Medical Unit. The patient who were diagnosed were refered to nereby Municipal Dispensary for further treatment. However strptemucein Injection given in the Hospital to those patients who were residing in the vicinity of this Hospital.

Total No. of patients treated during the year 1988. 12,009

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 dead 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 for sick and needu 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 given good response for this scheme.

Opening of the New Expansion Building :

On 30th April 1988 this hospital opening new expansion building and bed strength are up to 422 beds.

Medical Superintendent,
K. B. Bhabha Hospital, Bandra. (W)

DISTRIBUTION OF BEDS

Sr. No.	Department	No. of beds in proposed examsion building
1.	Medical	48
2.	Surgical	50
3.	Orthopedic	40
4.	Peadatric	30
5.	Gynec.	30
6.	Obstratrics	42
7.	A. N. C.	20
8.	Septic	5
9.	Family Planning	10
10.	I. C. U. Obastrcrics	4
11.	I. C. U. (Paedistrics)	8
12.	I. C. U. (Gen)	4
13.	Premature Baby Unit	8
14.	Skin	11
15.	Paying Bed	22
16.	Optesic	21
17.	E. N. T.	20
18.	Paychiatry & Drug Addictions	25
19.	Special Paying Beds	9
		422

APPENDIX—I

Summary of Indoor admission, discharge, deaths and last remaining according to department unit.

Sr. No.	Department.	Admission with last remaining.	Discharge	Transfer to other Hospital	Death
1.	Medical	3,059	2,249	58	180
2.	Surgical	2,231	2,001	32	78
3.	Paedistric	2,356	2,075	67	161
4.	Gynaecology	1,026	981	2	—
5.	Maternity	5,985	5,860	7	—
6.	E. N. T.	630	635	—	—
7.	Skin	—	—	—	—
8.	Opthelsic	641	640	—	—
9.	Orthopaedic	996	960	—	—
10.	Casulty A.N.C./P.N.C.	—	—	—	—
Total :		14,235	14,393	166	419

Diseases wise Deaths during the year of 1988.

I—Paediatric Unit.		
1.	Gastro Entrities.	21
2.	Brancho Pnumonia.	28
3.	Pnumonia.	12
4.	Bronchoties.	10
5.	Bronchopnumonities.	7
6.	Aspiration C Pneumonia.	7
7.	Encaphilities.	12
8.	Tuberculosis Meningities.	16
9.	Branchotis C. C. F.	3
10.	Anemia.	2
11.	Marassum.	2
12.	Cardio Respiratory Failed.	28
13.	Septicemia.	1
14.	Pyogenic Meningities.	5
15.	Post Measules C. Brancho.	1
16.	Prematurity.	7
17.	Post Measules C. Bronchopnemonia.	—
18.	Encophalities.	9
19.	Acute Nephirities.	1
20.	Meningo Coccoal Meningities.	8

Medical Unit :

1. Cardio Respiratory Failed.	53
2. Cerbro Vascular Accident	18
3. Hyper Tension C. C. C. F.	17
4. Anemia with c C. C. F. Hyper Tension.	12
5. Plum Koch's.	7
6. Ischemic Heart Diseases.	9
7. Gidness and Uncounciousness.	8
8. I. C. C. Over.	2
9. C. C. F. c.Koch's.	7
10. T. B. Meningities.	18
11. Amebic Colaties.	2
12. Nepatic Failed c Cirrhesis c Failed.	2
13. Sever Anemia with General Debility.	1
14. Hepatic Cellure Failure.	2
15. C. A. Stomuch with Secondary Liver.	3

Surgical Unit :

1. Accident Injury.	37
2. Tissul Perforation.	13
3. Accute Hemmerages Penicrelifities.	25
4. Post Operative Complication.	10
5. Sever Panitories.	3

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Sr. No.	Departments.	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.		74,947	72,849	...	...	1,47,795	6,220	5,136	...	...	11,356
2. Surgical.		38,732	33,591	20,502	13,639	1,06,464	12,313	7,140	4,598	3,084	27,135
3. Skin.		26,449	27,632	17,882	20,289	92,252	...	...	...	...	...
4. Paediatric.		48,238	42,407	90,645	...	...	689	609	1,298
5. A. R. V.		9,136	5,160	3,109	2,600	20,005	2,088	989	196	209	3,482
6. O. T. P. T.		5,378	4,985	1,305	1,265	12,933	...	...	...	...	...
7. Gynaec.		...	14,259	...	...	14,249	...	969	...	...	969
8. A. N. C.		...	35,902	...	...	35,902	...	...	...	...	...
9. P. N. C.		3,996	3,168	7,164	...	...	...	...	...
10. Dental.		6,188	3,189	2,196	1,858	13,431	95	70	29	27	221
11. E. N. T.		10,809	6,900	8,885	8,302	35,896	230	220	186	195	831
12. Opthelmic.		18,225	10,509	7,232	8,301	44,267	280	96	102	85	563
13. Orthopaedic		14,662	13,326	12,241	5,224	45,453	4,165	2,995	1,743	1,362	10,265
14. Speech & Audiology.		590	338	322	212	1,462	..	...	...	...	...
Total.		2,06,126	2,00,996	1,36,908	1,07,266	6,53,668	25,391	17,616	7,543	6,571	56,120

O. P. D. Attendance.	6,53,668
Casualty Attendance.	56,120
Total	7,09,788

**Medical Superintendent,
K. B. Bhabha Hospital, Bandra (W)**

DR. R. N. COOPER MUNICIPAL GENERAL HOSPITAL, JUHU.

In the year 1988—89, Dr. R. N. Cooper Municipal General Hospital, Juhu, has completed 18 years of rendering Medical relief to the ailing population of 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. M., 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. Dhyawarkonda, M. B. B. S., S. A. M. O.
- 7) Dr. S. B. Padgaonkar, 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.), P. 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. Pandhaye, 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. Choubal, M. D., D. G. O., D. F. P., 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., 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. A. R. 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, D. M. R. E., Honorary has resigned from January 1988. The post is vacant.

Pathology Department

1. Dr. S. A. Nimbkar, 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. The post is vacant.
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. A. 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 Welfare Centre & Post partum programme

Dr. S. K. Sehgal, M. B. B. S. Full Time Medical Officer, for Family Welfare Centre under the Hon. Staff of Obst. & Gyn. Department.

Immunization Clinic.

Attached to Paediatric O. P. D. & works on every day except on holidays from 9 a. m. to 1 p. m.

Neurosurgery Clinic.

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.

The post of Hon. Chest Physician is vacant since March, 1987.

Nutrition Clinic

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

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

Diabetic clinic is conducted by Dr. A. K. Joshi, on every Thursday from 8 a. m. to 10 a. m.

Ultrasonographys Clinics

Works under Obst. & Gynaec. Department on every day from 10 a. m. to 2 p. 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. Arunkumar Prasad, M. D. (Paed.)
7. Dr. A. V. Jaikar, M. D. (Paed.)
8. Dr. A. R. Gundawar, M. S. (Surg.)
9. Dr. S. N. Kanthe, M. S. (Surg.)
10. Dr. N. S. Paddhye, (Ophth.)
11. Dr. S. V. Canla, M. D. (Psy.)
12. Dr. R. Y. Patil, M. D. (Med.)
13. Dr. M. Motla, M. D. (Skin).

Tutors

1. Dr. S. N. Naik, M. D. (Ob. & Gy.)
2. Dr. V. L. Prabhu, M. D. (Patho)

LEAVE PERIOD OF HEAD OF THE DEPARTMENT

Sr. No.	Designation	Name of the Officer	Qualifications	Period	
				From	To
1.	Department of Medicine. Honorary Physician	Dr. R. D. Darme	M.D.M.R.C.P. I.C.	26-4-88	14-6-88
				1-12-88	31-12-88
2.	Dept. of General Surgery. Honorary Surgeon.	Dr. D. K. Dastur	M. S.	9-3-88	19-3-88
				8-6-88	18-6-88
				8-12-88	31-12-88
3.	Dept. of Gynaec. Honorary Obst. & Gynaecologist.	Dr. S. H. Shah	D.G.O.D.F.P. F.C.P.S.	5-9-88	14-9-88
				5-12-88	14-12-88
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.	21-9-87	15-1-88
				30-1-88	2-5-88
				21-9-88	8-10-88
6.	Dept. of Ophthalmic Honorary Surgeon Ophthalmology.	Dr. V. H. Gandhi	D.C.M.S. M.S.P.O. F.R.C.S.	14-11-88	30-11-88
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., S.M.S. M.	Nil	Nil
				1-9-88	23-9-88
8.	Dept. of Skin Honorary Dermatologist.	Dr. M. W. Dhurandhar	M.B.D.V.D. M.C.P.S. P.C.A.I. F.A.C.A. D.T.M.H.	Nil	Nil
				Dr. D. P. Deshpande	M. D.	5-9-88 19-9-88 12-12-88	14-9-88 28-9-88 21-12-88
9.	Dept. of Psychiatric	Dr. N. S. Vahia Dr. V. N. Vahia.	M.D.F.R.C. M. D.	Nil	Nil
				15-2-88 8-8-88	26-2-88 18-8-88

HOSPITAL

1. Expenditure :	1) Amount spent on Inpatients	Rs. 1,68,55,142	
	2) Amount spent on Out-patient	Rs. 1,03,13,981	
	3) Total expenditure excluding cost of new works.	Rs. 2 crores. 71 lacks.	
2. Approximately	1) Total variable cost per Inpt. per day.	35.07	
	2) Variable cost per Outpt. per day.	1.51	
	3) Fixed cost per Inpt. per day.	63.98	
	4) Fixed cost per Outpt. per day.	3.43	
	5) Total cost per Inpt. per day.	99.05	
	6) Total cost per Outpt. per day.	4.94	
3. (A) Results :	1) Schedule bed strength.	520	
	2) Daily average In-patients in Wards.	500	
	3) Total No. of Admission including those brought over from the previous year.	30434	
	4) Daily average No. of Admissions	100	
	5) Total No. of patients discharged.	28109	
	6) i) Left against medical advice	813	
	ii) Remained in the hospital on the last day.	438	
	iii) Expired including neonatal & Still Birth.	2094	
	iv) Average stay of In-patient.	6.5 days	
B)	1. Total No. of New Out-patients Admission.	1,96,085	
	2. Daily average No. of Out-patients (New).	643	
	3. Total No. of Out-patients (New & Old).	5,88,255	
	4. Daily average No. of Out-patient Attendance.	1929	
	5. Total No. of Casualty Attendance.	54,483	
	6. Casualty Attendance Medicolegal.	19,304	
	7. Daily average Casualty Attendance.	150	
C)	1. Total No. of Operations In-patient	(7861 + 1191 F. P.)	
		9052	
	2. Total No. of Operations Out-patients.	21,958	
Confinements :	1) Booked cases.	1679	
	2) Emergency cases.	1053	
	3) Normal.	1985	2853
	4) Abnormal.	868	
	5) Neonatal and Maternal Deaths.		
	i) Maternal Deaths.	11	
	ii) Neonatal Deaths.	16	
	iii) Still Births.	191	
	iv) Premature Infants.	178	
	v) Sterilization.		
	1) Male.	6	
	2) Female.	481	

III)

RADIOLOGY

1. Total No. of patients investigated.	51,672
2. Total No. of X-Ray taken.	68,115
Special Investigations :	
1. Barium Meal F. T.	295
2. Barium Meal S. D.	154
3. Barium Swallow	94
4. I. V. P. Z.	251
5. O. C. G.	19
6. H. S. G.	65
7. Myelogram	20
8. M. C. U.	20
9. Cystourethrogram	22
10. Barium Enema	69
11. Pyelogram	11
12. Spleenoportogram	1
13. Sinogram	9
14. Cologram	17
15. Cholangiogram	1

BLOOD BANK

1) 1. Grouping of O. P. D. patients.	4716
2. Grouping of voluntary donors	703
3. Grouping & Cross matching of Indoor patients.	5221
4. Collection of blood bottles by camp.	1715
5. Supply of blood bottles to wards	3938
6. Antibody Titre	125
7. Coomb's serum test	328
8. A. N. C. Grouping	2242
9. Australia Antigen	4927
10. Serum Grouping	4427

SCHOOL CLINIC

1. Total No. of school children treated.	
i) New.	3404
ii) Repeat	11223
iii) Referred.	261
2. Total expenditure on clinics.	3,43,100

IV) PSYSIOTHERAPY AND OCCUPATIONAL THERAPY

1. Total no. of attendance at the centre.	
1) Total no. of Out-patients.	37,600
2) Total no. of In-patients.	33,211

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.

1) Charges for O. P. D. patients.	Rs. 2/- for every fifteen day
2) Charges for Indoor patients.	Rs. 10/- for first ten days and thereafter Rs. 5/- for each day till patient is discharged.
3) Charges collected for total No. of O. P. D. & I. . D. Paying & Renewal as per above circular No.	9,03,785

Hearse and Ambulance services :

The ambulance services are available in emergency to any ailing patient round the clock for transfer of patients. One hearse is provided round the clock for removing dead bodies at this hospital.

Total income from Ambulance and Hearse during the year under the report was Rs. 22,195/—

STATEMENT SHOWING THE REVENUE FROM THE HOSPITAL DURING 1988 :

Months 1988	Paying & Renewal	Indoor Admision	OPD	4th Delivery	Scrap Collection
January	35,188	8,830	24,090	200	—
February	29,851	8,820	24,574	100	39,057
March	35,471	8,945	24,310	250	—
April	40,784	8,515	25,710	—	—
May	29,296	8,630	25,496	—	4,632
June	28,191	8,225	23,858	150	—
July	33,475	16,160	24,578	600	—
August	46,362	19,110	28,444	150	—
September	12,300	18,370	26,180	300	—
October	38,395	17,520	26,476	300	29,671
November	58,193	16,300	25,340	150	69,434
December	54,614	15,630	25,204	150	9,475
Total	4,42,120	1,55,055	3,04,260	2,350	1,52,269

Grand Total : 10,56,054

MEDICAL RECORD DEPARTMENT

In-patient Division :

The number of schedule bed strength during the year was 520. During the year 1988 the average no. of In-patient in the hospital was 500 against 523 and 521 during the year 1987 and 1986 respectively. The total no. of patients admitted for hospitalization during the year under report was 29993 as against 30021 and 30481 respectively for 1987 and 1986. The average stay of In-patients was 6.5 days during the year under report.

Results of treatment of Indoor patients :

Out of total no. of 30434 including 441 brought over from the previous year 27145 were considered as cured, 813 left the hospital against medical advice or were otherwise discharged and 1876 died (excluding 191 still Birth and 16 Neonatal deaths, 11 Maternal deaths, 5 Casualty deaths.) At the end of the year 438 patients were in the hospital under treatment.

DEATH CLASSIFIED :

Out of 1881 deaths 628 died within 24 hours of admission, 472 after 24 hours and within 72 hours of admission, 178 deaths took place after three days from the date of admission. 178 premature infants deaths. 5 died at casualty. The figures are exclusive of 191 Still Births and 16 Neonatal, 11 Maternal Deaths. Death rate was 5.1 against 6.1 during the last year.

Total number of autopsies performed during the year under the report was 681 against 701 and 766 for the year 1988 as against 6.1 and 5.7 for the year 1987 & 1986. All these autopsies were performed by the Additional Coroner's Surgeon.

Confinements :

During the year under report the total number of confinements were 2853 and abortions 329.

Operations :

9052 operations were performed on In-patients and 21958 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 1,96,085 against 1,85,026 in the year 1987 and 1,61,541 in the year 1986. The total no. of out-patient attendance (New & Old) including casualty cases was 5,88,255 bringing the average total attendance 1929 per day.

Casualty cases registered during the year were 54,483 as against 62,071 and 57,891 during the year 1987 and 1986.

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 cases.

1. Presidency Magistrate courts	82
2. Sessions courts	41
3. Motor accident Tribunal	8
4. Other courts	6

During the year approximately 681 depositions were filled in the coroner's court.

Medical Certificates :

1. Under Workmen's compensation act	88
2. Medical Opinion certificates	6238
3. Injury certificate to patients in Medico-legal cases.	1564
4. Injury certificates to Police in Medico-legal (Free).	3205
5. Injury certificated to Municipal employee injury & leave (Free.)	995
6. Certificate for Insurance purposes	41
7. Essentiality certificates for reimbursement of Medical expenses to Govt.	148

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 15½ 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, Vileparle to Jogeshwari on the western suburbs on all days of the week except Sundays from 8.30 a. m. to 1.00 p. m. & from 2.00 p. m. to 4.00 p. m.

The following staff is posted in the Mobile Health Unit.

- 1) One Intern.
- 2) One staff Nurse.
- 3) One Labourer.

Work done at Medical Mobile Health Unit in the year 1988.

1. Total No. of patients seen & treated (In the slum communities).	6,200
2. Total No. of referred to General Hospital.	538
3. Total No. of Immunisations conducted.	2,538

MEDICO SOCIAL SERVICE DEPARTMENT.

Social service department is catering to the needs of the patients in different ways.

Approximately 250 cases were assured for the capacity to make payments for the cot charges. Patients are screened on regular basis for X-rays and other investigations that is 23 patients were interviewed for O. G. D. scopy and U. S. G. 110 patients were for Anti-'D' injections. 168 patients were helped by way of arrangements of Medicine. 50 patients required help in getting their C. T. Scan done. 35 patients were given guidance on Family Planning. 57 patients required counselling services and 18 patients had gone to different agencies for the purpose of adoption and rehabilitation.

A donation of syr. Okatmine and sy. Alpro was obtained from the Pharmaceutical companies around 50 bottles were distributed to the referred cases. Regular Pea-nuts distribution for the expectant mothers is going on.

Projects : 1) Distribution of Nutritional diet that is Protinex, Jaggery and chana, Banana to the Malnourished children and guidance given to their parents.

The Orthopaedic Social worker is responsible towards and I. C. U., I. C. C. U. and Orthopaedic, Burns wards of this hospital. In the Orthopaedic department crutches are being issued since 1978. During the year 1988-384 crutches were issued, approximately 30% return cases were noted. Other Ortho, appliance were also issued like taylor's brace collars, L. S. Belt etc. Patients for hospital stay and subsidised investigations were screened. Patients were also screened for C. T. Scan. Ration was distributed patient rendered jobless due to Ortho, handicapped-on behalf of Vishwa Hindu Parishad. 35 patients for period of six months as an assistance towards their speedy rehabilitation also clothes were distributed to them.

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)	17536
2. Total No. of Admissions.	...	8210
3. Total No. of confinements.	Normal	1985
	Abnormal	868
		2853
4. Total No. of Booked cases.	...	1679
5. Emergency cases	...	1053
6. Total No. of Abortions :	1) Threatened	183
	2) Incomplete	146
7. Total No. of operations :	Major	1217
	Minor	481

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 19½ 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.	16097
2. I. U. C. D. Insertions.	561
3. Oral Contraceptive.	430
4. Other convention contraceptives like diaphragm.	Nil
5. Tubectomy : This includes pureperal sterilization & both abdominal & vaginal.	481
6. Vasectomy.	6
7. The Medical Termination of pregnancy is started from April 1974 and total M. T. P. done during the year under the report was.	557

The centre also conducted 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	2892
2. Condone	16097
3. I. U. C. D.	561
4. Other convention contraceptives (Tab.)	430
5. Tubectomies	481
6. Vasectomies	6
7. Diaphragms	—
8. M. T. P.	557
9. Applicator with Jelly.	—

IMMUNIZATION CENTRE

(1) Polio :	1st dose	3319
	2nd dose	2301
	3rd dose	2035
	4th dose	1051
	5th dose	108
	Booster dose	844
	Total	10,358
(2) Triple :	1st dose	2122
	2nd dose	2085
	3rd dose	1863
	Booster dose	641
	Total	6,711
(3) Tetanus :	1st dose	15,678
	2nd dose	1,371
	3rd dose	622
	Total	17,671
(4) Measles		868
(5) Meningococcal		48
(6) H. B. Vaccine		31
(7) Cholera		892
(8) T. A. B. C.		256
(9) B. C. G. : O. P. D.		2036
Ward		2170
(10) D. T.		536
(11) O. T.		7377
	Total	4206
(12) Antirabic Treatment		21,712

PAEDIATRIC DEPARTMENT

The department has two units headed by Part time Honorary doctors. The department has four honorary doctors, two full time lecturers, five Registrars and eight House Officers.

Indoor services

A) Paediatric ward :	Bed strength	50 beds
	Admissions	3156
	New O. P. D.	18245
	Blood Transfusion	16
B) Post Matal ward :	The department also looks after babies born in the hospital.	
	Total Deliveries in the year	2853
C) Premature ward :	10 beds	
	(Cradles)	

Premature ward caters to premature, low birth weight and sick neonates born in the hospital, it also looks after premature babies transferred from other hospitals. These babies are looked after in hospitals by staff members of both the units. The Premature ward services were opened in the year 1971. The statistics of the Premature ward for selected years is as follows :-

Year	No of hospital born babies admitted	deaths	Mortality %
1986	401	111	27.68
1987	428	109	25.47
1988	453	101	22.29

In addition, this year 207 neonates transferred from other hospitals were admitted in the Premature unit.

Outdoor services : Paediatric O. P. D. is conducted on all working days of the week. Well baby clinic is run by the department on two days per week. Special clinic for high risk babies is conducted once a week. School clinic is conducted five days a week. Total number of school children enrolled in the clinic. Nutrition clinic is conducted by a trained Nurse every day in the O. P. D. under the supervision of a Paediatrician. The department supervises ever the functioning of Immunization clinic attached to Paediatric O. P. D. The clinic carries out Immunization on all days (inclusive of sundays) of the week.

Teaching Programme : The department of Paediatrics is recognised for teaching undergraduate students of Seth G. S. Medical Collage by the University of Bombay. The staff members actively. Participate in the undergraduate teaching programme of Seth G. S. Medical College. In 1988, the university of Bombay accorded the status of post-graduate teacher to Dr. G. S. Mathi, Head of Department and to Dr. P. M. Patnekar.

The Department conducted regular Teaching sessions for Post-graduate students and Residents. These sessions include seminars, case presentations, review of Journals and topic discussion sessions. 104 such sessions were conducted in 1988. Nurses referred to the hospital for B. C. G. training course are trained by members of the department along with Nurse-in-charge of Immunization centre. Staff members actively participate in the teaching Programme of the Nursing school attached to the hospital.

Other activities :

The Department of Paediatrics conducts six monthly clinical meetings under the auspices of the Bombay branch of Indian Academy of Paediatrics. These meetings were conducted in January and June 1988. At such meetings interesting cases detected in the department are discussed. These meeting cases are appreciated by the attending Paediatricians from all major Teaching Hospitals in Bombay.

Three papers were presented by staff members of the department at the National Paediatrics conference held at Jodhpur in 1988. In addition one paper was published by a staff member of the department in Paediatric Journals.

NUTRITION CLINICS

A Nutrition clinic attached to Paediatric O. P. D. started functioning from Feb. 1972. The work done in the year 1988.

Total Nutrition clinic days	302
Total cases	1025
Feeding advice given	409

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 Gastroentrolgy clinic is run once a week in the morning. About 1377 diabetics (including new and old) are treated and followed up every week. Cardiology outpatients 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 1988 in the Medical units was 6430 (4013 Male; 2417 Female) as 6238 in the year 1987 and 6221 in the year 1986.

Heart disease patients were treated in the Medical ward during the year 1988. 7333 E. C. G.s were taken during the year under report in the E. C. G. department, 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 1988 in I. C. C. Unit was 679.

T. B. Clinic :	New cases	2627
	Old cases	15018
	Total :	17,645

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 of 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, One Lecturer, Two Registrars and Three housemen in each unit. The no. of scheduled beds allotted to the surgical department is 45 in Male Ward and 45 in Female Ward for each unit. Surgical department is well equipped to manage both emergency and routine surgical problems. There is one Intensive Trauma care ward with attached O.T. with 11 beds for both units, which runs round the clock. Burns ward is with 10 beds for both the units.

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. Major surgical O. T. is equipped for all Major Surgical Operations. In addition it has all endoscopy facility for G. I. T. and also Cystourethroscopy.

The following is the account of work done in the department of general surgery during the year 1988.

1) Total New O. P. D. Attendance	48,857
2) Total Admissions	4,239
3) Operations :	2,142
a) Major	14,986
b) Minor	525
c) Emergency	36
d) Total No. of Gastroscopies.	14,986
4) Total no. of patients treated in Minor Surgery.	1,034
5) Total no. of Admission in I. C. U.	

Plastic Surgery : There are one Honorary Assistant & Two Houseman O. P. D. is conducted twice a week. They manage the Burns ward of 10 beds with surgical units.

Neurosurgery clinic : Neurosurgical O. P. D. is conducted with the help of Dr. S. K. Pandya, Prof. of Neurosurgery, G. S. Medical College and his assistants of the Neurosurgical department. 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 1988 is : 365 with patients admitted with Head Injury in Intensive care unit (Surgical).

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. É. G. Technician, One Jr. Steno. The following is the statistical data of the work done during the year for the period 1988.

1. Total no. of O. P. D. patients (New)	6006
2. No. of O. P. D. conducted during the Month	156
3. Total no. of new and ref. cases examined in O. P. D.	2714
4. Average attendance (New cases)	208
5. Average no. of new and ref. cases examined per O. P. D.	1039
6. Total no. of patients treated with E. C. T.s new	159
7. Total no. of patients treated with E. C. T.s old	1210
8. Total no. of insulin sittings conducted	62
9. Average Insuline.	2
10. No. of Indoor patients	575
11. Total no. of patients treated	8037
12. Sex Education	213
13. No. of patients for psychological testing	600
14. Testing sessions	1177
15. Total no. of sessions of counselling	424
16. Total no. of new social work	635
17. Total no. of Individual sessions	778
18. Family therapy no. of patients	36
19. Family therapy no. of sessions.	105
20. Total no. of patients referred to day care centre	131
21. Average attendance at day care centre	6-7
22. Total no. of patients for C. G. C. New	152
23. Total no. of patients for C. G. C. — Old	253
24. Group therapy no. of New patients	182
25. Group therapy no. of total patients.	245
26. Marital therapy no. of patients	59
27. Marital therapy sessions	734

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	14234
Indoor Admissions	2054
No. of Operations	1037 (Ortho. O. T.) + 7024 Tr. O.T.
	8061

The department is well equipped to cope up with the large no. of trauma cases brought to the hospital. Consequent to the donation of A. O. 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	8197
Indoor Admissions	815
Operations	2259

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	642
Speech cases	45

Total	687
-------	-----

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 1988.

O. P. D. Attendance	8766
Indoor Admissions	845
Operations	1206

L. CHAR EYE BANK

Total Number of Enucleations	50	
Number of Keratoplasties	33	Optical : 13 Therapeutic : 20

Remaining eyeballs sent to other institutions as per request :

1. J. J. Hospital	57
2. K. E. M. Hospital	3
3. Sion Hospital	2
4. Bombay Hospital	2
5. Lotus Hospital	1
6. Other Hospital	2
Total :	67

Eyeballs wasted : Nil

Results of Keratoplastics from August 88

Sr. No.	Name of Patients	Ocular condition	Type of	Results
1.	Madan	Corneal abscess	Therapeutic	No followup
2.	Mohd. Shafiq.	Corneal ulcer	Therapeutic	Corneal Haze
3.	Shankar	Corneal opacity	Optional	Graft rejection
4.	Kamdutt	Corneal Ulcer	Therapeutic	
5.	Janabai	Anterior staphyloma	Cosmetic	Graft Opaque
6.	Abdul Rehman	Corneal ulcer	Therapeutic	Graft haze cataract Posterior Synaechias increased IOT.
7.	R. M. Yadav	Corneal ulcer	Therapeutic	Graft haze
8.	Natwarlal	Bullous Keratopathy	Optical	No followup
9.	Dattatraya	Corneal ulcer	Therapeutic	Graft haze
10.	Bhiku	Corneal ulcer	Therapeutic	Opaque graft
11.	Kamledevi	Bullous Keratopathy	Optical	Clear graft
12.	Indiraben	Pseudobullous	Optical	Graft clear
13.	Devilal	Corneal opacity	Optical	Early Epithelial haze
14.	Mabran Khan	Corneal ulcer	Therapeutic	Opaque graft
15.	Islamunnisa	Pseudobullous	Optical	Clear graft
16.	Shanam Pujari	Corneal ulcer	Therapeutic	Clear graft
17.	Kusumvati	Pseudophakic Bullous keratopathy	Optical	Clear graft

Results	Opaque Grafts	9	Out	Therapeutic	9
	Clear Graft	6	of	Optical	7
	No follow up	2	17	Cosmatic	1

SKIN AND VENEROLOGY DEPARTMENT

During the year under report 14,640 new cases were treated at the out-patients department and 38 were admitted as In-patient. The following investigations were carried out in the laboratory.

1. Skin Biopsy	140
2. Total Venereal disease cases	20,897

Hansen's Clinic : Hansen's clinic started from March 1974 and it functions on every Tuesday. During the year under report 149 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 1988.

Total no. of patients examined	General O. P. D.	School clinic
No. of medications	6521	1119
No. of dental extraction.	1653	341
No. of scaling teeth	78	303
No. of X-rays recorded	360	47
No. of filing cement	21	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 6 cases in the year 1988.

Total no. of school children treated :

i) New	3403
ii) Repeat	11,223
iii) Referred	261

The total expenditure on school clinic is Rs. 3,43,100/— The details are as under :

1) Establishment	3,08,100
2) Contingencies & Miscellaneous	5,000
3) Medicine & Instruments	30,000
Juhu Lions Dental clinic.	
1) Establishment	64,600
2) Medicine & Instruments	5,000
3) Contingencies	1,000
4) Total expenditure of establishment	70,600

PATHOLOGY DEPARTMENT

Following investigations were done in the Pathology Department.

1. Biochemistry	2,04,620
2. Vein Puncture	19,458
3. Serology	13,647
4. Haematology	38,647
5. Puncture Fluid	1,732
6. Mistopathology	2,862
7. Special stain	92
8. Cytology	851
Bacteriology :-	
i) A. F. B. Smears	5,438
ii) Culture & sensitivity	17,361
iii) Anaerobic cultures	437
O. P. D. Laboratory :	
Blood	1,00,862
Urine	15,272
Stool	4,315
Semen	544
Vein puncture	24,085
School clinic	2,021

NURSING STAFF

Matron	...	1	Health Visitors	...	2
Jr. Asstt. Matron	...	2	Midwife Nurse	...	...
Sister Tutors	...	4	(1 leave reserve)		
Midwifery Tutor	...	...	Ward Assistant	...	5
Ward Sisters	...	28	Theatre Asstt.	...	10
Staff Nurses	...	221	Auxillary Nurses	...	16

NURSING SCHOOL

In General Nursing First year 19 students appeared & 19 passed & five stood first class. In General Nursing Part-II. 21 students appeared 21 passed & in part-II in state level Maharashtra, Cooper Hospital was first & Miss. Antia Nair was first & got Nayer's Award. Maharashtra was in state level from Dr. R. N. Cooper Hospital Miss Leena P. C. was second. Active participation in the state level students Nursing Associations (SNA) State level students conference at Kolhapur - Miss Anita Nair was honoured for standing first on state level. For S. N. A. activity dairy get first prize in state & diary was sent to national level. We got two prizes for medals i. e. on first-aid & S. N. A. activities. National level conference was at Bombay on the theme. 'Health for all, all for Health Nurse concern'. Sub theme was peoples health in peoples hand. On this theme student stays role play. We got two prizes for presentation of one of the entertainment programme & one more prize for S. N. A. activities.

Annual day was on 20th Dec. 1988. Chiff Guest was Mr. A. B. Madoskar, D. M. C.(P)-Jaisama K. D. was selected as Miss Cooper W. H. O. day was celebrated on 7th April by having a allocation completion for the students on W. H. O. theme "Health for all & all for Health" & then we have participated in W. H. O. day in K. E. M. Hospital T. N. A. (Train Nurses Association of India) Bombay city level.

Out school has selected an area, Marol covering a population of 2,300/250 families service & Education of the Nursing student.

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 graduates Teaching-Medicine, Surgery, Gynaec & Obst., Paediatric and Orthopaedic. E. N. T. Ophth., Psy., Skin. 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. Shah, Dr. R. N. Katre, Dr. N. R. Shetty, Dr. S. J. Penkar, Dr. A. C. Pinto, Dr. S. R. Padhye, Dr. A. G. Kale, Dr. S. Y. Joshi, Dr. P. M. Patnekar, Dr. R. M. saroji, Dr. A. R. Karkhanis, Dr. A. K. Joshi, Dr. G. S. Mathi.

Expenditure out of Poor Box Charity Fund.

Besides the Expenditure incurred from Municipal Funds, sum of Rs. 6,26,356.89 was spent out of Poor Box Charity Fund in the year 1988-89 as against Rs. 5,38,212 in the previous year. The amount was mostly spent on x-ray plates. C. T. Scans, costly drugs, Blood Transfusion & 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 1988-89 including liabilities at the end of the year but, exclusive of the cost on new work amount to Rs. 2,71,69,123 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.

ANAESTHESIA DEPARTMENT

Anaesthesia department of Dr. R. N. Cooper Munpl. Gen. Hospital, Juhu has the following staff on its establishment. Dr. U. V. Desai, Honorary Assistant, Anaesthetist appointed from 10-1-77. Since 1-9-78 Dean(G) has been duputing 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 recognised posts is given below :-

Sr. No.	Department	Category	No. of Posts 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.	Meonatology	"	1
7.	Gen. Surgery	"	2+2
8.	Gen. Minor O. T.	"	1
9.	E. N. T.	"	1
10.	Ophthalmic	"	1
11.	Burns & Plastic	"	2
12.	Orthopaedics	"	4
13.	Obst. & Gynaic.	"	3
14.	Anaesthesia	"	1
15.	Pathology (Recognition of post House Officer is 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.	Meonatology	"	2
24.	E. N. T.	"	1+1
25.	Ophthalmology	"	1+1
26.	Burns & Plastic surgery	"	2
27.	Orthopaedics	"	4
28.	Obst. & Gynaec.	"	4+2
			68+9

**DR. R. N. COOPER MUNICIPAL GENERAL HOSPITAL, JUHU.
SPECIAL ACTIVITIES.**

Special activities during the year 1988.

1) Lions Juhu, Loknath D. Char Eye Bank was inaugurated in Dr. R. N. Cooper Mupl. Gen. Hosp. Juhu by Dr. Ramesh Y. Prabhu, Ex. Mayor of Mumbai & M. L. A. on 14-2-1988. Dr. Badar T. Maskati was the Chief Guest.

2) Lions Club has donated the Drinking Water Fountain/Cooler for Dr. R. N. Cooper Mupl. Gen. Hospital, Juhu on Feb. 1988.

3) Two Benches were donated by Shri Babubhai Mistry in 1988. for the garden of Dr. R. N. Cooper Mupl. Gen. Hospitl. Juhu.

4) Immunization & Family Welfare clinic runs between 11 a. m. & 12 noon in OPDs & Immunization Centre in OPD No. 17 & on every Sunday under circular No. HO/6382/J/Er of 2-8-88.

5) First refresher's Course in Tuberculosis Diagnosis & Treatment was held on 27-5-1988. Dr. K. C. Mohanhy, MD, TDD, MIPHA, FCCP, FMCCP Head of the department of Tuberculosis and Chest diseases of Grant Medical College and J. J. Group of Hospitals delivered a speech on the above subject with slides for the benefit of Medical staff.

6) We have receive a letter from Suburban Slum Improvement & Vigilance Committee in responce to the "Outreach Medical Vamp." We hold two camps per month for Post Partum Programme.

A Camp was conducted on 16-12-88 at Nehru Nagar Zopadpatti, 5th Road, Juhu by Family Welfare department.No. of children between 0-5 years of age attended camp was -69. Vaccination given PV-38, DPT-26, DTB. All children were given Vit. A. Glucose dose and FE/FA Tablets. About 30 children were given medical aid for different diseases like diarrhosa, URTs skin diseases etc. Few of them were referred to Dr. R. N. Cooper Hospital for further advice and treatment. F. W. about 1000 condoms were distributed to eligible coupled and advised to adopt different methods of Family Planning.

The following staff attended the camp :—

- 1) Dr. D. K. Sehgal, FTMO, FW Dept.
- 2) Dr. Mita Jagat, Reg. Paediatrics.
- 3) Mrs. M. Naik, FFW.
- 4) Mr. R. J. Yadav, Co-ordinator FW.
- 5) Mr. M. K. Chowkekar, clerk.
- 6) S. N. Nidane, Sister.
- 7) Tutor, Shah.
- 8) Three student Nurses.

7) Our research project of "Incidence of Toxoplasmosis as the etiology of Abortion" has got sanction from Research Society of Seth G. S. Medical College and K. E. M. Hospital, Parel, Bombay.

The projects aims to examine BOH patients beth from OPD and as well as Indoor patients from serological evidence of toxoplasma infection using Haemagglutination mothod and also to histopathologically analyse aborted material in such cases over a period of six months.

Special Acknowledgement :

Due to the persistant efforts and guidance of DMC Shri A. B. Madoskar, Dean G. Dr. G. B. Parulkar & Directorate of Peripheral Hospital Dr. Kusum Shah the Institution got continuation of recognition forth purpose of teaching undergraduate students of Seth G. S. Medical College vide letter No. AFF/Pecog/3990 of 21-7-1988 for the departments of -

General Surgery

General Medicine

Obst. & Gynaec.

Paed.

Orthopaedic.

. For a period of six years with retrospective effect from academic year 1983-84.

The following departments also were recognised with respective effect from academic from year 1985-86 for a period of four years.

Ophthalmic

E. N. T.

Skin & V. D.

Psychiatric.

Dr. R. N. Cooper Municipal General Hospital, Juhu.

Ref. : Circular No. 4986/R-I.

1988	Medical	Surgical	Paed.	Gynaec.	Ortho.	Premature	E. N. T.	Ophth.	Skin	I. C. U.	I. C. C. U.	Burn	Psychiatric
1. Bed Strength	90	90	60	90	60 + 10	10 cradle	30	30	30	10	10	10	30
2. Occupancy Beds strength (Yearly).	27605	28241	13490	36749	34053	4407	3770	6038	698	2604	2354	2026	8037
3. Average Occupancy per day.	76	78	37	101	94	12	11	17	2	8	7	6	23
4. Average stay Departmentwise (Days).	4 (Days)	10 (Days)	5 (Days)	5 (Days)	1 (Month)	1 (Month)	5 (Days)	8 (Days)	19 (Days)	3 (Days)	4 (Days)	8 (Days)	14 (Days)
5. O. P. D. Attendance (New & Old)	65518	80923	44468	33948	43526	—	29040	30984	64005	—	—	—	23513
6. Mortality rate per day.	1.46	0.78	1.09	0.03	0.09	0.48	—	—	—	0.26	0.54	0.27	—
7. Operation													
Major	—	1865	—	1217	1037	—	2259	1206	—	250	—	27 Plastic	—
Minor	—	9322 (CLW) 14986 (Minor).	—	1191 (Family Planning	7024 (Tr. O. T.)	—	—	—	—	—	—	—	—

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Schedule Bed strength	...	520
Casualty Attendance/day	...	203
(i) Medico legal cases	...	53
(ii) Non-Medico legal	...	150
		<hr/>
		203
		<hr/>

STATEMENT—1988.

Revenue out of Poor Box Charity Fund during the year under report.

Months	X-ray Collection	U. S. G.	E. C. G.	E. G. D.	Poor Box Certificate collection.	Total
January	57,605	1,125	4,470	540	16,100	79,840
February	54,205	—	4,760	900	798	60,663
March	54,518	—	4,630	500	1,452	61,100
April	53,790	—	4,360	450	1,974	60,574
May	54,540	—	4,920	100	2,060	61,620
June	51,834	—	4,440	350	400	57,024
July	49,455	—	4,160	5,175	900	59,690
August	57,580	200	4,860	5,850	1,000	69,490
Sept.	54,064	1,175	4,930	3,900	800	64,869
Oct.	50,690	1,920	4,450	3,800	1,900	62,760
Nov.	52,568	1,350	3,830	750	1,750	60,248
Dec.	51,705	1,400	4,560	750	950	59,365
Total	6,42,554	7,170	54,370	23,065	30,084	7,57,243

**DR. R. N. COOPER MUNICIPAL GENERAL HOSPITAL, JUHU.
STATEMENT — 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
Total	520

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 1988.

Particulars	1988	1987	1986
A) In-patients :			
1. Schedule Bed strength.	520	520	520
2. Daily average No. of In-patients.	500	523	521
3. Daily average No. of Admissions.	100	112	110
4. Total No. of new In-patients admitted.	29993	30021	29995

Particulars	1988	1987	1986
B) Out-patients :			
1. Total No. of new-out Patients attended.	1,96,085	1,89,338	1,61,541
2. Daily average No. of new Out-patient.	643	610	527
3. Total No. of out-patients Attendance (New & Old)	5,88,255	5,68,023	4,97,566
4. Daily average no. of Out-patients attendance (New & Old).	1929	1775	1620
5. No. of Casualty Attendance	54,483	62,071	57,891

C) Operations :			
1. Total No. of Operations.	F. P. (7861 + 1191) 9052	F. P. (6694 + 1158) 7852	F. P. (6396 + 1557) 7953
2. Total No. of Out-patients Operations.	21,958	26,114	29,591

APPENDIX III

Statement showing the In-patients treated in Dr. R. N. Cooper Municipal Gen. Hospital, Juhu during the year 1988 with the classification according to departments, discharge and deaths.

Departments	In the Hospital Mid night of 31-12-87.	Admitted During the year 1988.	Total Treated	Discharge during the year 88	Died	In the Hospital by mid night 31-12-88.
Medical	76	8847	27805	8310	534	79
Surgical	75	2918	28421	2632	287	74
Gynaec.	81	6304	36749	6289	11	85
Paed.	39	3156	13490	2770	400	26
Premature	12	203	4407	25	178	12
Ortho.	80	2054	4053	2005	33	95
E. N. T.	12	815	3770	819	—	8
Ophth.	23	845	6038	853	1	14
Skin	4	38	698	42	—	—
I. C. C. U.	2	679	2354	476	199	6
Psy.	26	576	8037	577	1	23
I.C.U.	7	1034	2604	939	95	7
Burns	4	287	2026	182	99	10
Total :	441	27,755	1,70,252	25,871	1,887	438

Maternal Death	—	11
Neonatal Death	—	16
Casualty Death	—	5
Still Birth	—	191

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APPENDIX IV

Statement showing the Out-patients (New and Casualty) in Dr. R. N. Cooper Mun. Gen. Hospital, Juhu during the year 1988 classification according to the Dept. Sex.

Department	Sex	New OPD	Casualty
Medical	Male	9256	6210
	Female	7652	4102
Surgical	Male	6368	13896
	Female	5675	7532
	M/ch	4469	3991
	F/ch	3774	3149
	Female	11187	3808
Orthopaedic	Male	3750	1522
	Female	2862	957
	M/ch	2404	498
	F/ch	1992	249
E. N. T.	Male	2438	347
	Female	2097	242
	M/ch	1617	70
	F/ch	1333	53
Ophthalmic	Male	2642	518
	Female	2259	375
	M/ch	1575	89
	F/ch	1271	37
Dental	Male	3638	498
	Female	2854	344
	M/ch	2275	103
	F/ch	1793	49
Paediatric	Male/ch	6676	2628
	Female/ch	5601	2105
Skin	Male	4387	611
	Female	3706	307
	M/ch	3024	139
	F/ch	2412	54
Psychiatric	Male	2235	—
	Female	1686	—
	M/ch	1161	—
	F/ch	924	—
T. B.	Male	1428	—
	Female	815	—
	M/ch	259	—
	F/ch	125	—
Total :		1,19,890	54,483

APPENDIX V

Statement showing the relative cost per In-patient and Out-patient per day during the year 1988.

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.	35.07
2) Total variable cost per Outpt. per day.	1.51
3) Total Fixed cost per Inpt. per day.	63.98
4) Total Fixed cost per Outpt. per day.	3.43
5) Total cost per Inpt. per day.	99.05
6) Total cost per Outpt. per day.	4.94

SHRI H. B. M. G. HOSPITAL, BORIVLI, BOMBAY—103.

HO/535/BH of 24-2-1989.

"Sub. : Administrative Report for 1988 to be incorporated in M. C.'s administrative Report for 1988-89.

"Ref. : Your No. HO/11668/RI of 10-1-1989.

M. C.

Director.

P.H.

H. O.

So far as this hospital is concerned the required information is furnished herewith, for the year 1988-89.

(1) High Lights :		
I Expenditure		
A) 1. On In-patients.	:	Rs. 86,90,556.66
2. On out patients.	:	Rs. 1,73,81,113.34
(2) Average cost per :		
1. Inpatient per day.	:	Rs. 79.27
2. Out patients per day.	:	Rs. 10.31
(3) Results In patients :		
1. Schedule bed strength	:	300
2. Daily average in patients in ward.	:	255
3. Admissions including those brought over from previous year.	:	18301
(4) Number of patients discharged as		
1. Cured.	:	16490
2. Otherwise.	:	585
3. Expired.	:	970
1988.	:	256
5. Daily average number of admissions.	:	49
6. Average stay of in patients (in days).	:	5 days.
7. Highest number of in patients in a single day.	:	351
(5) Out patients :		
1. New out patients attendance.	:	New — 107194
	:	Old — 121109
		<hr/>
		Total — 228303
2. Daily average number of new out patients and old patients.	:	625
3. Highest O. P. D. attendance on a single day.	:	950
4. No. of casualty attendance.	:	14693
5. Operations on inpatients.	:	5798
6. Operations on out-patients.	:	6191
7. Total No of Operations.	:	11989
8. Daily average.	:	33
(6) Confinement :		
1. Booked cases.	:	1078
2. Emergency cases.	:	916
3. Normal.	:	1442
4. Abnormal.	:	552
5. Left before delivery.	:	2
(7) Neonatal and Natural deaths :		
1. Maternal deaths:	:	2
2. Neonatal-deaths.	:	—
3. Still Birth.	:	120
4. Premature live born infants.	:	187
(8) Specialised treatment :		
1. Sterilization (Male)	:	2
2. Sterilization (Female).	:	519
3. Coper 'T' (Inserted)	:	160
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.		
1. S. T. D. Cases.	:	561
2. Food poisoning cases.	:	24
3. Tuberculosis cases	:	687

Electrocardiography Deptt. :		
1. Total No. of E.C.G.	:	3151
2. Screening cases.	:	Nil
(10) Physiotherapy/Occupational Deptt.:		
1. Total No. of cases treated.	:	3128
(11) Radiology Department. :		
1. Total No. of patients.	:	29461
2. Total No. of X-Ray (Plates) taken.	:	45792
3. Total No. of Screenig cases.	:	Nil.
(12) BLOOD BANK :		
1. Total No. of Bottles collected	:	1712
2. Professional donors.	:	Nil
3. Brought from other hospital.	:	146
4. Relative donors.	:	435
5. Bottle supplied.	:	1701
6. Bottle dispatched.	:	289
7. Voluntary donors.	:	1133
8. Send for dry plasma.	:	11
(13) Mobile Dispensary :		
1. Total No. cases treated during the year 1988.	:	4672
		(Mobile Van transferred to M. O. H. R. on 1-9-88)
(14) Medical Record Deptt. :		
1. Total cases attended by doctors in court.	:	114
2. Total Medical certificates issued to patients.	:	2950
3. Medico Legal Cases.	:	14693
4. Medical Certificates issued to various police stations.	:	1807
(15) Ambulance Services :		
1. Total No. of calls attended.	:	605
2. Amount collected by Ambulance	:	Rs. 1308/-
3. Total No. of free calls attended.	:	11
(16) Hearse Services :		
1. Total No. of calls attended.	:	696
2. Amount collected by Hearse.	:	Rs. 18476/-
3. Total No. of free calls attended.	:	18
(17) Social Services :		
1. Free Spects. Darl glasses.	:	67
2. Supplied on deposite basis from volientary donors.	:	15
3. Supplied appliances cases (Ortho.)	:	85
4. Medical Aid to patient.	:	85
5. Medical Aid from voluntary donors.	:	329
6. Old cloths to discharge patients.	:	33
7. Conveyance to discharge patients.	:	2
8. Counselling given to Suicide attempt cases.	:	1
9. Guidance given to parants of mentally retaired children.	:	1
10. Evaluaction of cases free on partially free hospitalization.	:	53
tions.	:	Nil
(18) Pathology Department :		
1. Clinical pathology Investigation including serology.	:	40537
2. Bio-chemical Investigations.	:	9518
3. Microbiology.	:	19381
4. Histopathology.	:	4468
5. Blood growping and cross mateching cases.	:	
(19) Anti-Rabic Treatment given to patient :		
1. Total No. of patients treated.	:	23970
(20) School Clinics :		
1. Total No. of cases treated during the year 1988.	:	5998
(21) Dental Department :		
1. Total No. of cases treated during the year 1988.	:	2925
(22) Psychiatric Department :		
1. Total No. of cases treated during the year 1988.	:	2214
(23) Anaesthesia Depatment :		
1. Total No. of Operation done during the year 1988.	:	11989
(24) Audiology Department. :		
1. Total No. of cases treated during the year 1988.	:	537
(25) Poor Box Fund. :		
1. The collection in the boxes of poor box fund during the period from 1-1-1988 to 31-12-1988, including donation for E. C. G. and X-Ray plates.	:	Rs. 8,11,110.25

(26) Certificates :		
1. Total No. of Medical Certificate of defferent types issued to patients.	:	2628
(27) Dispensary :		
1. Total No of In-patients.	:	18301
2. Out patients.	:	228303
(28) Family Welfare Centre :		
1. Family planning centre is running for the benefit of patients attending the hospital.	:	
1. Vasectomy operations performed.	:	2
2. Sterilization operations performed.	:	519
3. Coper T. Inserted.	:	160
4. Total No. of oral pills given to patients.	:	137
5. Total No. of condom given, to patients.	:	22500
6. Total No. of M. T. P.	:	214
7. Others.	:	755
(29) Library :		
1. Total No. of new books purchased.	:	1
2. Total No of Books.	:	337
(30) Special facility for Municipal Employees :		
Seperate counters have been kept reserved at the Registration deptt., Dispensary for the municipal staff.	:	
(31) Interns :		
Graduates from L. T. M. G. Hospital are allowed to undergo Internship training at this hospital.	:	245
(32) Immunization Deptt. :		
1. Total No. of cases immunized in year 1988.	:	1993
(33) Leprosy Clinics :		
1. Total cases treated.	:	123
(34) T. B. Clinics :		
1. Total cases treated.	:	870

APPENDIX—I

Sr. No.	Name of Department	O. P. D. Patients	I. P. D. Patients.
1.	Medical	34890	5390
2.	Surgical	32139	4370
3.	Gyn. & Obst.	29340	3835
4.	E. N. T.	23355	1109
5.	Ophthalmic	22615	1331
6.	Skin & V. D.	21911	1
7.	Paediatric.	22119	2345
8.	Orthopaedics.	19132	1245
9.	Dental.	2925	—
10.	Psychiatric.	2214	—
11.	Casualty Deptt.	17663	—

Sr. No.	Designation	Name of the Officer.	Qualification	Period from	Remarks if any.
1.	2.	3.	4.	5.	6.
1.	Medical Supdt.	Dr. (Smt.) S. N. Joshi.	M. B. B. S., D. G. O. D. F. P.	1-7-1988	---
2.	A. M. O. (Admi.)	Dr. (Smt.) N. G. Joshi	M. D. D. G. O. D. F. P.	2-12-1988	---
3.	Hon. Physician	Dr. V. Y. Chayan.	M. D. F. C. P. S.	---	---
4.	Hon. Asstt. Physician.	Dr. S. R. Deshpande.	M. D.	---	---
5.	Hon. Asstt. Gyn. & Obst.	Dr. S. K. Saraf.	M. D. D. G. O. D. F. P.	---	---
6.	Hon. Asstt. Gyn. & Ost.	Dr. L. M. Dandekar.	M. D. D. G. O. D. F. P.	---	---
7.	Hon. Surgeon.	Dr. D. V. Bhagat.	M. S. (Bombay)	---	---
8.	Hon. Asstt. Surgeon.	Dr. A. R. Nerkar	M. S. (Bom.) M. R. S. H.	---	---
9.	Hon. Paediatrician.	Dr. N. N. Desai.	M. R. C. P. D. C. H. (Lond)	---	---
10.	Hon. Asstt. Paediatrician.	Dr. (Smt.) Shalini Bhatt.	M. S. (Ortho.)	---	---
11.	Hon. Asstt. Surgeon Ortho.	Dr. A. N. Parelkar.	M. S. (Ortho.)	---	---
12.	Hon. Asstt. Ophthalmic.	Dr. N. S. Athnikar.	M. S. D. O. M. S.	---	---
13.	Hon. Asstt. Part-time Dentist.	Dr. S. S. Deodhar.	B. D. S. (Bom.)	---	---
14.	Hon. Asstt. Surgeon E. N. T.	Dr. K. P. Morwani.	M. S. D. O. R. L.	---	---
15.	Hon. Asstt. Dermatology.	Dr. M. B. Kukreja.	M. D. D. V. & D.	---	---
16.	Hon. Asstt. Pathology.	Dr. S. S. Avasare.	M. D. (Pathology) S. P. B.	---	---
17.	Hon. Asstt. Anaesthist.	Dr. M. R. Kamdar.	M. D.	---	---
18.	Hon. Asstt. Radiologist.	Dr. V. V. Cheda.	M. D. (Radiology)	---	---
19.	Hon. Asst. Psychiatric.	Dr. K. S. Ayyar	M. D. (Psychiatry)	---	---

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
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 inguarated 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 (East).

It has been named after Shri Keshavlal Jethuchand 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.

Serial No.	Department.	Bed strength
1.	Medical.	48
2.	Surgical.	52
3.	Orthopaedics,	35
4.	E. N. T.	25
5.	Ophthalmic.	25
6.	Gyanec & 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.
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 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 accommodated 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 1985.

Medical Superintendent,
Shri H.B.M.G. Hospital,
Borivli (West), Bombay — 103.

ENGINEERING

HIGH LIGHTS

I.	A) EXPENDITURE	
	Expenditure incurred	<i>(Rs. in crores)</i>
	1. On execution of loan works	10.17
	2. On execution on Revenue Works	10.91
	3. On Establishment	10.13
	4. On other heads :	
	a) From Loan Works Budget	6.70
	b) From Revenue Budget.	5.18
	B. Revenue Earned	7.62

II. **ACHIEVEMENTS**
1. Building Construction Branch :

	Completed		In progress	
	Bldg.	T/s	Bldg.	T/s
a) Housing Tenements	7	6	9	14
b) School Buildings	11	—	31	—
c) Markets	—	—	5	—
d) Hospitals, Maternity Home, Dispensaries	18	—	30	—
e) Other building work	18	—	21	—

III. **SLUM IMPROVEMENT BRANCH :**
 i) Colonies covered for improvements

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IV. **CIVIL & ENVIRONMENTAL SANITATION & PROJECT :**

i) Air Pollution Complaints attended	370
ii) No Objection Certificate issue	148
iii) Proposals for renewal of Permit/licences, additional power, change of fuel etc.	473
iv) Registration of electrical furnaces/ovens.	53

Total : 1044

V. **MAINTENANCE OF MUNICIPAL PROPERTIES :**

i) Buildings	1501
ii) Works carried out through P.W.C.	2758

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 terrace 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. 9.

Sr. No.	Particulars	General Bldg. Works		Housing		Slum Improvement		P.W.C.	Annual contract drawing to material	Providing furniture to Muni. proper-ties	Waterproofing treat-ment to Muni. Properties and constr-uction 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.)	—	—	—	—	—	—	—	404	—	—
3.	Blue print copies	—	—	—	—	—	—	—	18556	—	—
4.	Block Estimates	22	14	6	1	—	—	—	—	2	3
5.	Amount of block estimates (in crores)	12	6.34	3	25.92	—	—	—	—	0.02	9.44
6.	Detailed plans and estimates.	28	18	7	1	—	—	—	—	16	50
7.	Amount of detailed estimates (in crores)	4	5.32	1.05	9.67	—	—	—	—	0.15	3.99
8.	Contract awarded	1.09	0.96	—	0.85	—	—	86	4	0.10	1.16
9.	Detailed estimates in hand	24	9	2	—	—	—	—	—	18	47
10.	Approximate cost of detailed estimates in hand (in crores)	3.08	3.33	0.80	—	—	—	—	—	0.08	1.60

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 environmental improvement of slums.

During the year 1988-89 the amenities servicing beneficial population of about 1,21,622.00 were provided in slum colonies under the Slum Improvement Programme. During the year 581 numbers of W.C./A.P. seats 1,61,106 sq. m. passages and 38,090 R.M. Drains and 164 number of taps and 5 street light poles in various slums have been provided.

A. The works completed during the year :

1. Slum Improvement works of basic amenities 34 slums.
2. Slum Improvement work of additional amenities 23 slums.

B. Works in progress during the year :

1. Slum Improvement work of basic civic amenities 42 slums.
2. Slum Improvement works of additional amenities schools — 12

2. Slum Upgradation Programme during the year :

40 Co-operative societies formed consisting of 3815 households.

3. B. U. D. P. — I Site and Service during the year :

1. Works completed—Nil. ;

Works is in progress : 1

4. Demolition and reconstruction of delapidated A.P./W. C. blocks :

Works completed—27

Works in progress—23

ENVIRONMENTAL SANITATION AND PROJECTS DEPARTMENT

The department works under the overall supervision, guidance and control of the Dy. City Engineer (Civil) (Environmental 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 advising factory administration and licensing from air pollution angles.

During the year, 1044 cases were dealt with as under :—

1. Air Pollution Complaints	370
2. No. Objection Certificates	148
3. Proposals for renewal of permit/licences additional power, change of fuel etc.	473
4. Registration of electrical furnances/ovens.	53
Total :	<u>1,044</u>

Air Pollution Abatement fees amounting to about Rs. 85 lakhs were collected from various industries during the year under report. The Air Pollution Abatement Fees have since been revised to double rate retrospectively from 1st April 1988 vide Corporation Resolution No. 953 of 12th January 1989.

B — WATER POLLUTION CONTROL :

A No. of industries are discharging their industrial effluent into municipal drains and sewers, nallas, etc., without treatment causing nuisance. Action against such erring industries is to be taken by the concerned Ward Office.

Accordingly, when proposal from Ward Office or complaint is received in this office, scrutiny of such industries is being done and requisite information is called after inspection to assess the quantity and quality of effluent. Consent of M. P. C. Board is also insisted upon. During the year under report about 51 complaints were received. The files received from the wards were also scrutinised from the point of water pollution.

The industries are directed to submit proposals for provision of effluent treatment and disposal system with reference to the consent characteristics. Such proposals are scrutinised and the industries are directed to provide — Effluent Treatment Plants (ETP) wherever necessary. However, as per rules in force, area of the effluent treatment plant is not exempted from calculation of F.S.I. with the result that progress in the matter of provision of Effluent Treatment Plant by industries is not satisfactory.

Summarising, Abatement or control of pollution is achieved by advising Ward Offices and other enforcing agencies to ensure effective implementation of pollution prevention measures by the concerned industries or the establishments and on their failure, taking 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 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 make any progress during the year. The feasibility of getting funds for this project from P.M.G. Funds is being studied.

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 Bombay Metropolitan Region for locating construction materials and identifying future area for quarrying in B.M.R. under the chairmanship of Secretary, Revenue & 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.

(2) EMISSION INVENTORY GROUP

i) Emission Inventory

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 activity-wise 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 23 stacks have been monitored. All the ward officers and concerned industries were informed to get stack monitoring facilities fabricated for each stack.

ii) Auto Exhaust Pollution :

Auto Exhaust emissions (i.e. CO & HC) of petrol driven vehicles were monitored by the means of Japan Make 'HORIBA' Auto Exhaust Analyser. Similarly Auto Exhaust Emissions (i.e. Smoke density) of diesel driven vehicles were measured by using Hartridge Smoke Meter.

This group has been authorised to check Municipal vehicles and the vehicles belonging to Municipal officers for pollution control and issue certificates about pollution under control (P.U.C. certificate). A fee of Rs. 12/- per vehicle per test is charged in respect of vehicles of Municipal employees, whereas Municipal vehicles pertaining to various departments are tested free of charge. Total 321 vehicles were tested and issued P.U.C. Certificates.

iii) Noise/Vibration Pollution :

Various Noise and vibration complaints were attended to by this group for investigating the noise/vibration nuisance.

Total 30 numbers of sound/vibration level measurements were carried out with the help of B & K Denmark make sound/vibration levels meters.

iv) I. S. I. Matters

I. S. I. meetings of Committees relating to air quality were attended from time to time. Suggestions to modify the existing standards and formulating of new standards were also submitted for consideration of the I. S. I.

3. AIR QUALITY MONITORING & RESEARCH LABORATORY :

Air Quality Monitoring and Research Laboratory at Khar has twenty two receptor oriented air monitoring sites spread uniformly throughout city of Bombay Air samples collected at these sites are analysed for particulate matter and gaseous pollutants viz : Sulphur-Di-Oxide, Oxides of Nitrogen and Ammonia. Suspended particulate matter is further analysed for carcinogens, heavy metals, sulphates and nitrates.

The meteorological parameters viz : wind-speed wind direction, temperature and relative humidity have also been monitored and ambient air quality is studied with respect to prevailing meteorological conditions. Thus air quality data collected is processed with different statistical functions, compiled and compared with standards prescribed. Annexure 'I' furnishes the details statistical information in this respect.

In addition to routine monitoring :

- (i) Air quality at traffic junctions was monitored to assess the impact of auto exhaust pollution.
- (ii) Special case studies and spot monitoring based on complaints received from various B.M.C. officials Corporations and common public was carried out to evaluate impact of emissions from Industries, Commercial and Residential areas.
- (iii) Research project studies were conducted to collect compare and establish various personal exposures to indoor and source specific pollutants. At present following projects are under process.

- a) Indo-British Link Project to study Silicosis.
- b) Indo-British Link Project to assess nitric Oxide exposure.
- c) Human exposure assessment locations (HEAL) sponsored by D.O.E./W.H.O.

Annexure II and III summarises details in this respect.

The administration of Air Quality Monitoring and Research Laboratory has since been transferred to the Chief Environmental Pollution Research Centre of K. E. M. Hospital with effect from 3rd January 1989 vide M. C.'s orders under No. AMC/G/B/1365 of 26-12-1988.

MAINTENANCE OF MUNICIPAL BUILDINGS :

(i) Municipal Building : In the City and Suburbs at end of the year :—

(a) Housing : 29502 Nos. of tenements are in the City and 8012 Nos. of tenements are in the Suburbs.

(b) Other Bldgs. : 880 in the City and 621 in the Subs.

The works of maintenance is classified under the major head :—

(1) Normal Repairs

(2) Special repairs

(3) New work.

Monsoon repairs are also included in the 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 these 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. 1405.11 lakhs (City Rs. 566.35 lakhs and Suburbs Rs. 838.76 lakhs). Out of this, an amount of Rs. 434.68 lakhs was spent on normal maintenance. And amount of Rs. 970.57 lakhs was spent on New and Special Repairs Works. Costing Rs. 1297.17 lakhs (City : Rs. 734.73 lakhs and Suburbs : Rs. 562.44 lakhs) were executed through the petty works contractors. Total Nos. of works carried out through the petty works contractors was 2,758 and Total No. of works carried out departmentally was 17,793 and the expenditure incurred was Rs. 303.71 lakhs and Rs. 1217.17 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	Works completed		Works in progress.	
		Nos.	Actual cost (in lacs) Rs.	Nos.	Estimated cost (in lacs) Rs.
1.	2.	3.	4.	5.	6.
A — Housing :					
(a) Works including pile foundation	City	7	17.96	8	129.86
	W. S.	—	—	1	34.57
	E. S.	—	—	—	—
(b) Structures	City	—	—	—	—
	W. S.	—	—	—	—
	E. S.	—	—	—	—
(c) Tenements	City	—	—	—	—
	W.S.	—	—	—	—
	E. S.	—	—	1	43.92
BUILDING					
B) Other than Housing					
(a) Schools	City	8	11.22	14	112.81—
	W. S.	—	—	6	407.90
	E. S.	1	19.83	—	—
(b) Markets	City	—	—	4	15.74
	W. S.	—	—	—	—
	E. S.	—	—	1	35.72
(c) Hospitals Maternity Home. & Dispensary	City	15	62.04	21	335.82
	W. S.	—	—	4	147.56
	E. S.	—	—	1	5.07
(d) Other works.	City	4	25.76	8	151.39
	W. S.	6	25.70	9	1450.86
	E. S.	19	30.07	31	92.23

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.	W.P.T. to terrace and guniting to R.C.C work of Bldg. No. 'C' of 88 T/s. Wadala, F/North.	1.49
2.	Waterproofing treatment to the terrace and guniting to R.C.C. work of Bldg. No. 'A', 'B' T/s. F/North.	2.19
3.	Waterproofing treatment to terrace of Worli Fire Station and Staff Quarters, G/South.	1.35
4.	Waterproofing treatment to terrace of B. I. T. Chawl No. 19 at Sofiya Zuber Road, 'E' Ward.	1.46
5.	Providing guniting treatment to R.C.C. work and waterproofing treatment to various Municipal Bldgs. at Sahakar Nagar, Wadala.	9.26
6.	Waterproofing treatment to terrace of Labour Staff Quarters at Sion Koliwada Bldg. No. 6 to 8, Part-II.	1.85
7.	Waterproofing treatment to terraces of Bldg. No. A1, A2 and A8, E9 at Raoli Camp.	0.36
Total Rs.		17.96
WESTERN SUBURBS & EASTERN SUBURBS		
Nil		
b—Other than housing		
CITY		
1.	Completing incomplete work of Electric Crematorium at Shivaji Park.	21.64
2.	Construction of students hostel at L.T.M.G. College, Sion.	40.01
3.	Completing incomplete work of multistoreyed bldg., for Orthopeadic Hospital, K. E. M. Hospital.	5.78
4.	Proposed demolition of existing compound wall and construction of new compound wall and replastering of existing compound wall for Electric Crematorium at Shivaji Park.	0.86
5.	Repairs and replacement of damaged furniture and other items due to flooding at Nair Hospital, Part-I.	2.32
6.	Providing and fixing T. W. partitions doors and false ceiling in development room at Municipal Printing Press at Carnac Bridge.	1.37
7.	Proposed construction of new R.C.C. stair case to Municipal school building at Mahilashram Road, Matunga, F/North Ward.	1.64
8.	Repairs to Municipal Sports Club at Shivaji Park (near Vanita Samaj Mandir Hall) Dadar, G/North.	1.89
9.	Waterproofing treatment to terrace of 'B' Wing 'B' Turner Block, G. T. B. Hospital, F/South Ward.	0.99
10.	Providing waterproofing treatment to sanitary block at Ground Floor at Bldg., No. 1 and 2 at L.T.M.G. hospital.	0.62
11.	Waterproofing treatment to terrace of G. T. B. Main Bldg., Sewree, F/South.	0.77
12.	Waterproofing treatment to terrace of Municipal School of 1st and 3rd Panjarpole Lane, 'C' Ward.	0.83
13.	Waterproofing to terrace of Kawthe Math Municipal School, D-Ward.	1.64
14.	Waterproofing treatment to terrace of Student's Hostel at Haji Ali, Part-I.	2.67
15.	Waterproofing treatment to terrace of Student's Hostel at Haji Ali, Part-II.	3.02
16.	Waterproofing treatment to Municipal School at Gokhale Road, South.	1.82
17.	Waterproofing treatment to New Mahim School Bldg., G/North Ward, Mia Mohd. Chhotani Marg, Mahim, Part-I.	1.82
18.	Waterproofing treatment to New Mahim School Bldg., G/N Ward Mia Mohd. Chhotani Marg, Mahim, Part-II.	1.82
19.	Waterproofing treatment to Municipal School at Woolen Mill Lane, Dadar, G/North.	0.55

Sr. No.	Name of the work	Expenditure Rs.
20.	Waterproofing treatment to terrace of A, B, C and F at G. T. B. Hospital, Sewree.	2.51
21.	Waterproofing treatment to terrace of Staff Quarters at Orthopedic Centre, K.E.M.	0.41
22.	Waterproofing treatment to terrace of Doctor's Quarters at Gynace Wing, K. E. M.	1.09
23.	Waterproofing treatment to terrace of Doctor's Quarters at K. E. M. Hospital.	—
24.	Waterproofing treatment to sanitary block at ground floor bldg., No. 1 and 2 (above Medical Store and Gen. Store) at L.T.M.G. Hospital.	0.78
25.	Waterproofing treatment to terrace of L.T.M.G. Lab. Staff Quarters at Sion Koliwada Bldg., No. 1 to 5.	2.48
26.	Waterproofing treatment to New Sion Secondary School near Gokul Sion, Koliwada.	1.10
27.	Waterproofing treatment to terraces of Casulty Quarters (one Bldg.) and Security Officer Quarters at K.E.M. hospital, Parel.	—
Total Rs.		98.93

WESTERN SUBURBS

1.	Construction of compound wall at various Municipal Plot in K/West Ward.	Work terminated
2.	Construction of compound wall at various Municipal Plot K/East.	Work terminated
3.	Repairs to Conservancy Staff Quarters at A. B. Nair Road, Juhu.	3.17
4.	Construction of stage at the compound of S. V. P. Swimming Pool, Kandivali (West).	0.69
5.	Waterproofing treatment to Prabhat Colony School, Santacruz.	2.88
6.	Dispensary at Kalina, Santacruz.	0.33
7.	Harijan Quarters at Khar.	2.10
8.	Municipal School at Versova.	0.73
9.	Drinking room at Oshiwara Municipal School.	0.35
10.	School building at 6th Road, Santacruz.	0.83
11.	School building at R. P. Marg, Bandra (E).	0.88
12.	School bldg., at Tank Road, Santacruz.	1.26
13.	Staff Quarters Bldg., No. 1, Cooper Hospital.	0.80
14.	Staff Quarters bldg. No. 2A, 2B, 2C Cooper Hospital.	1.44
15.	Staff Quarters Bldg. No. 3, Cooper Hospital.	1.34
16.	Staff Quarters bldg. No. 4, Cooper Hospital Juhu.	1.69
17.	272 Tenements Municipal School, Bandra.	0.32
18.	Municipal Dispensary at Khar.	0.33
19.	Municipal School Tata Compound, Andheri.	0.99
20.	78 Tenements at Khar (West).	0.42
21.	School bldg. at Rajda Nagar, Borivali (W).	2.36
22.	School bldg. at Ranchhoddas Marg, Dahisar (East).	0.22
23.	School bldg. at Rani Sati Marg, Malad (E).	3.14
24.	School bldg. at Shimpoli Road, Borivali.	0.65
25.	M. W. Desai Hospital, Malad (East).	1.52
26.	Labour Quarters at Chincholi, Malad (E).	—
Total Rs.		28.44

EASTERN SUBURBS

1.	Completing the incomplete works of Buddha Temple at Chembur Labour Camp.	1.41
2.	Waterproofing treatment to the terrace at :—	}) 2.89
	i) Sheep Unloading Ramp.	
	ii) Cattle unloading Ramp.	
	iii) Administration Building	
	iv) Pump House at Deonar Abattoir	
3.	Waterproofing treatment to terrace of Municipal school bldg. at Station Road, Chembur, M/West Ward.	1.35
4.	Waterproofing treatment to various building at Deonar Abattoir—	} 3.20
	i) Canteen Building	
	ii) Shephard Rest House (M/E)	

Sr. No.	Name of the work	Expenditure Rs.
5.	Waterproofing treatment to the terrace of Municipal School building and other allied works at Ramkrishna Chembulkar Marg, Chembur, M/East.	1.21
6.	Construction of ground floor at school building at Mithagar Road, Mulund (E).	19.83
7.	Proposed construction of cemetery at Park Site Colony, Vikhroli (West).	10.73
8.	Waterproofing treatment to the terraces at other allied works at Dr. Ambedkar Hospital Bldg. at Kannamwar Nagar, Vikhroli, 'S' Ward.	1.57
9.	Waterproofing treatment to the terrace at Male Paying ward at Bhabha Hospital, Kurla (West).	0.42
10.	Waterproofing treatment to terrace at Male Paying Ward at Bhabha Hospital, Kurla (West).	0.66
11.	Providing and fixing wooden furniture etc. in the green room at the Auditorium at Sports Complex, Mulund (W).	3.76
12.	Providing and fixing stage drapery etc. for Auditorium in the Sports Complex Mulund (West).	8.41
13.	Providing and fixing cushioned seats in the Auditorium at Sports Complex, Mulund (West).	11.56
14.	Providing "Emble of M.C.G.B.(1) Name boards of Auditorium and Sports Complex.	2.19
15.	Providing tarfelt type waterproofing treatment to the terraces and guniting treatment to R.C.C. slabs of Municipal Staff Quarters 'E' and 'G' Blocks at Deonar Municipal Colony (Bldg. No. E-6, E-7, E-8, E-12, G-3, G-4 and G-5).	4.43
16.	Providing waterproofing treatment and guniting to R.C.C. slab at Bldg. No. E-1 to E-4 and E-9 at Deonar Municipal Colony.	3.89
17.	Providing waterproofing and guniting to bldg. No. E-11, G-1 and G-2, F-2, F-8, F-9 and F-10 at Deonar Municipal Colony.	3.59
18.	Waterproofing treatment and guniting to R.C.C. slab at building No. E-6, E-10, (B-Bldg.) at Deonar Municipal Colony.	1.91
19.	Waterproofing treatment to (tarfelt type) and guniting to R.C.C slab bldg. No. F-1, F-2, F-3, F-4, F-5 at Deonar Municipal Colony Govandi.	4.56
Total Rs.		87.57

'B' WORKS IN PROGRESS

Sr. No.	Name of the work.	Estimated Cost (Rs. in lakh)	Expenditure booked upto 31-3-1989
(a) HOUSING CITY			
1.	Proposed repairs to A.H.S. Chawls A and B Palton Road, 'A' Ward.	29.22	25.15
2.	Proposed demolition and reconstruction of passage W.C. and staircase of chawl at 468, N. M. Joshi Marg.	7.56	—
3.	Proposed construction of 72 T/S on housing reservation near Shivaji Maharaj Kridangan behind Garamkhada Market, Lalbaug, F/S Ward.	38.45	12.50
4.	Proposed repairs to Conservancy Chawls to I at Approach Road, 'D' Ward.	9.82	0.98
5.	Proposed repairs to passage and staircase on 1st at Chawl No. 94(I), M. P. Mill Compound, Janta Nagar.	2.19	—
6.	Proposed reconstruction of W. C. block and repairs to Washing places of B.I.T. Chawls No. 17 and 18 at Nagpada.	13.55	—
7.	Proposed work of completing the incomplete work of 48 T/S at M. P. Mill Compound 'D' Ward (Civil & Electrical).	27.50	9.61
8.	Waterproofing treatment to terrace of A, B Bldg., M. H. Camp at E. S. Patanwala Marg, Byculla, 'E' Ward.	1.57	—
Total Rs.		129.86	48.24

Sr. No.	Name of the work.	Estimated Cost (Rs. in lakh)	Expenditure booked upto 31-3-1989
WESTERN SUBURBS			
1.	Construction of 48 T/s. at Dayaldas Road, Vile-Parle(East).	—	—
EASTERN SUBURBS			
(b) OTHER THAN HOUSING CITY			
1.	Repairs to Old Main and Annexe Bldg., in Nair Hospital, Compound.	62.80	13.85
2.	Repairs to Municipal Head office (old) bldg., at V. T. Fort, Phase-III.	40.94	5.88
3.	Proposed underground water tank and elevated service reservoir in Kasturba Hospital Compound.	11.02	—
4.	Various additional works of Multistoreyed bldg. at Nair Hospital.	50.00	14.85
5.	Proposed addition and alterations to Autopsy room at K.E.M. Hosp. Phase-II.	7.00	—
6.	Construction of underground suction tank and providing electrical pumps etc. for improving the water supply to K.E.M. Hospital.	46.61	3.50
7.	Proposed two gardens in F/S Ward, Parel 1) At Kamgar Maidan, Parel 2) Near Shirodkar Market, Parel.	15.68	2.39
8.	Proposed additions and alterations in the existing mortuary and pharmacy sheds at L.T.M.G. Hospital, Sion.	33.94	6.15
9.	Proposed development of Hindu cemetery at Dr. E. Moses Road, Worli.	17.94	—
10.	Repairs to Municipal School at Worli Naka.	18.66	3.62
11.	Demolition of top eight floors i.e. 29th to 36th including lift machine room overhead water tank etc., above terrace level of existing bldg., under construction of C.S. No. 701 at Bhulabhai Desai Road, 'D' Ward.	68.14	10.00
12.	Proposed access road covered passage to new multi-storeyed bldg., at K.E.M. Hospital, Parel.	4.52	0.29
13.	The work of design supply and installation of Fibre glass elephant on turn-key basis at Durgadevi Udyan, Maulana Shoukatali Road 'C' Ward.	0.33	0.16
14.	Proposed renovation of Blood Bank at K.E.M. Hospital, Parel.	6.25	—
15.	Proposed repairs to existing elevated tank at S. K. Patil Udyan, Charni Road, 'C' Ward.	1.83	—
16.	Proposed transit accommodation on F. P. No. 843, Agar Bazar Market, G/North Ward.	8.10	—
17.	Renovation of Dindayal Upadhyay Udyan in G/North Ward.	2.21	1.55
18.	Renovation of main operation theatre at K.E.M. Hospital, Parel.	11.04	—
19.	Proposed Construction of additional 4th floor at L.T.M.G. College bldg., and an open air hall on terrace, Sion, F/N Ward. including electrical work.	68.45	0.21
20.	Proposed Municipal school (S.S.) at C. G. Colony i.e. Kane Nagar, Sion Koliwada.	40.72	6.99
21.	Proposed additional repairs to school bldg., at Dharavi G/North.	19.63	—
22.	W.P. T. to sanitary blocks at C.S.M. Market, 'A' Ward Part-I.	2.76	—
23.	W. P. T. to sanitary blocks at C. S. M. Market 'A' Ward, Part-II.	4.44	—
24.	W.P.T. to terraces of Munl. Co-op. Bank situated at Fort Market, Mint Road.	0.44	—
25.	W. P. T. to sanitary blocks of Municipal Head Office, Annexe Bldg. at V. T.	4.32	—

Sr. No.	Name of the work.	Estimated Cost (Rs. in lakh)	Expenditure booked upto 31-3-1989
26.	W.P.T. to terrace of Mumbaidevi Municipal School, C-Ward.	4.91	0.81
27.	W.P.T. to terrace of Chandanwadi Municipal School C-Ward.	3.62	0.93
28.	W.P.T. to terrace of Mahalaxmi Municipal School at Bhulabhai Desai Road.	0.76	—
29.	W.P.T. to terrace of Gilder Lane, School 'D' Ward.	4.88	3.02
30.	W.P.T. to terrace and sanitary blocks at Arya Nagar School, D-Ward.	3.84	0.68
31.	W.P.T. to terrace of Balaram Urdu School, D-Ward.	1.45	—
32.	W.P.T. to terrace and other allied works for Keshavrao Kadam Marg Municipal School D-Ward.	1.31	—
33.	Waterproofing treatment to Channels of Pharma Cology and Pathology Lab. and guniting to R.C.C. work at 1st, 2nd and 3rd floor of B.Y.L. Nair Hospital College, Bldg.	4.27	0.94
34.	W.P.T. to Channels of Physiology and Bio-chemistry Lab. and guniting to R.C.C. work at 4th floor of B. Y. L. Nair Hospital, College Bldg.	2.41	0.64
35.	W. P. T. to Umar Rajjab Municipal School at Mohd.Rajjab Road, Byculla, 'E' Ward.	2.28	0.67
36.	W.P.T. to terrace and other allied works at Agripada Municipal school, E—Ward.	2.55	0.88
37.	W. P. T. to terrace (a) Microbiology Department, (b) Terrace above dispensary and Medical Stores, (c) Ward No. 15 at Kasturba Hospital, Part-I.	3.70	0.85
38.	W. P. T. to terrace of Hyperbolic Chamber and terrace of Ward No. 9, 11, 13 and 14 of Kasturba Hospital, Part-II.	3.20	—
39.	W. P. T. to R. C. Urdu School Mahim.	4.32	0.64
40.	W. P.T. to sanitary block of Ward No. 26, 28 and 30 of Orthopedic Centre, K.E.M. Hospital.	3.97	—
41.	W.P.T. to terrace of Ward No. 11 and 12 of K.E.M. Hospital.	4.40	—
42.	W.P.T. to sanitary blocks of main bldg. at G.T.B. Complex, Sewree.	4.97	3.99
43.	W.P.T. to terrace of 43 and 44, Medicine seminar Hall at K.E.M.	1.10	—
44.	W.P.T. to terrace of Ward No. 17 and 18 at K.E.M. Hospital.	0.89	—
45.	W.P.T. to terraces of Triveni Sangam Municipal School, (b) 2nd Oct. Muni. School at F/S.	3.88	2.51
46.	W. P. T. to terrace of Boy's hostel at K.E.M. Hospital.	4.92	2.35
47.	W.P.T. to R.C.C. water tank of R.M.O.'s quarters, K.E.M. Hospital.	0.36	—
Total Rs.		615.76	88.35

WESTERN SUBURBS :

1.	Construction of Sports Complex at the junction of J. P. Road and Veera Desai Road, Andheri (West).	1297.41	67.21
2.	Major repairs to Bhagwati Hospital at Borivali (West).	66.00	11.17
3.	Construction of school bldg. at Khotwadi, Santacruz (East).	140.77	—
4.	Construction of school bldg. at M. W. Desai, Garden Malvani, Malad (West).	143.83	—
5.	Major repairs to Municipal Primary school at Kher Nagar, Bandra (West).	34.96	5.09
6.	Construction of H/E Ward Office at Santacruz (East).	20.96	7.46
7.	Construction of Hindu and Christian Cemeteries at J.V.P.D. Scheme, Vile Parle (West)	63.31	6.45
8.	Central repairs to Cooper Hospital, Juhu Phase-I.	49.80	14.32
9.	Construction of Muslim Cemetery at Oshiwara, Jogeshwari (W).	18.20	0.76
10.	Construction of school bldg., at Oshiwara Dumping ground.	54.00	3.29
11.	Construction of upgraded dispensary at Charkop, Kandivali (West).	14.50	2.65
12.	Construction of 4 additional class rooms at Aarey Road, Municipal school, Goregaon (E).	14.73	2.40
13.	Repairs to Aakurli Road school Bldg., Kandivali (West).	19.61	—
14.	Strengthening the auditorium at plot No. 58, Goshala Lane, Malad (West).	3.83	—

Sr. No.	Name of the work.	Estimated Cost (Rs. in lakh)	Expenditure booked upto 31-3-1989
15.	Repairs to Nurses Staff Quarters No. 1, 2, 3 at Tata Compound, Andheri (West).	24.66	6.20
16.	Repairs to S. K. Patil Hospital, Malad (East).	17.26	1.09
17.	Construction of Compound wall at Andheri Sport Complex.	2.49	—
18.	Waterproofing work in H & K Ward for the year 1989-90.	10.00	—
19.	Waterproofing works in P & R wards for the year 1989-90.	10.00	—
Total Rs.		2006.32	128.09

EASTERN SUBURBS :

1.	Proposed repair works (civil and electrical) to the Maternity Home at Chembur Naka.	11.09	2.44
2.	Proposed construction of Muslim burried ground at Cheeta Camp.	20.63	4.80
3.	W.P.T. to sanitary block at Marvali Municipal school (M/E) Ward, Chembur.	0.77	—
4.	W. P. T. to the terrace and other allied works at Municipal school bldg., at Ghatla Village, Chembur (East).	4.95	—
5.	Proposed construction of compound wall along reserved plot for school bldg. at Mithagar Road, Mulund (East).	2.30	—
6.	W. P. T. to sanitary block at Tembepada Municipal School at Bhandup, 'S' Ward.	1.97	—
7.	W. P. T. to terrace and sanitary block of Bhandup Village, Municipal School, Bhandup, 'S' Ward.	1.85	—
8.	W. P. T. to the terrace at G. V. Scheme Municipal School Mulund (E), T-Ward.	2.25	—
9.	W. P.T. to the terrace of Park Site, Vikhroli Fire Station and Waterproofing treatment to R. C. C. tank of fire station bldg. at L.B. S. Marg, Mulund (West).	3.09	—
10.	Proposed construction of dispensary at Nehru Nagar, Kurla.	5.07	—
11.	Waterproofing treatment to the sanitary block at Bail Bazar Municipal School, Kurla (W).	2.08	—
12.	W.P.T. to the terrace of Bail Bazar Municipal school at Kurla (West).	4.74	—
13.	Proposed repair work (civil and electrical) to Chunabhatti Maternity Home, Kurla.	12.46	7.42
14.	Proposed fire escape staircase at Kurla Bhabha Hospital.	16.24	2.84
15.	W. P. T. to sanitary block at Pant Nagar Municipal School No. 2, Ghatkopar, N Ward.	1.69	—
16.	W. P. T. to sanitary blocks at Danji Devshi Municipal School, Ghatkopar (East), N-Ward.	1.53	—
17.	Proposed additional works at Barve Nagar Cemetery, Ghatkopar (West).	12.98	1.27
18.	Proposed garden and playground at Podar Compound, Ghatkopar(W).	3.86	2.81
19.	Completing incomplete works at market at Tagore Nagar, Vikhroli.	35.72	7.22
20.	W.P.I. to the terraces at Park Site Dispensary at Vikhroli (E).	1.58	—
21.	W.P.I. to terrace at Barve Nagar Municipal School at R. D. Kadam Marg, Ghatkopar (W).	3.93	2.34
22.	Waterproofing treatment to the terrace and guniting works at Conservancy Staff Quarters at Chembur Labour Camp. (Bldg. No. 6).	2.99	—
23.	Providing waterproofing treatment to the terrace and guniting of Conservancy Staff Quarters at Chembur Labour Camp (Bldg. No. 4).	2.99	—
24.	Waterproofing treatment to R. C. C. works and waterproofing treatment to terraces at Conservancy Staff Quarters at Chembur Labour Camp (Bldg. No. 5).	2.99	—
25.	Waterproofing treatment to the terrace and guniting of Conservancy Staff Quarters at Chembur Labour Camp (Bldg. No. 7).	2.99	—
26.	Proposed repair work (civil and electric) to the Conservancy Quarters at Dadasaheb Gaikwad Road, Mulund (West).	18.83	—
27.	Waterproofing treatment and guniting at the Conservancy staff quarters at kurla Garden Kurla (West).	3.61	—
28.	Waterproofing treatment to the terrace (2 Bldgs.) at Staff Quarters at Kurla Garden L.B.S. Marg, Kurla.	1.98	—

Sr. No.	Name of the work.	Estimated Cost (Rs. in lakh)	Expenditure booked upto 31-3-1989
29.	Providing waterproofing treatment to terraces at Bldg. No. 1 at 396 tenements at Deonar Municipal Colony, M-East Ward.	3.51	—
30.	Waterproofing treatment to terraces of bldg. No. 2 and 3 of 396 tenements at Deonar Municipal Colony, M/E-Ward.	4.98	—
31.	Waterproofing treatment to terraces at Bldg. No. 4 of 396 tenements at Deonar Municipal Colony, M/East Ward.	3.41	—
32.	Waterproofing treatment to terraces at Bldg., No. 5 and 6 at Deonar Municipal Colony, M/East Ward.	4.51	—
33.	Proposed repair works (civil and electrical) to R.M.O. Quarters at Rajawadi Hospital, Ghatkopar.	4.92	—
Total Rs.		208.49	31.14

DEPUTY CITY ENGINEER (PROJECT)

Statement showing the works completed and those are in progress.

'A' WORK COMPLETED

(Rs. in lakh)

Sr. No.	Name of the work	Expenditure Rs.
1.	Construction of R.O.B. along T. H. Kataria Marg near Matunga Road Railway Station in lieu of L.C. No. 15.	33.51
2.	Maintenance of F.O.B. Vehicular bridge and sub-ways etc. in Greater Bombay.	11.99
3.	Construction of 4 culvertes along Prakash Thorat Marg at Chembur truction.	2.28
4.	Construction of existing F.O.B. across Western Railway track on the Eastern side of Vile-Parle.	4.64
5.	construction of F.O.B. across D. N. Road at V. T.	0.27
6.	Construction of F.O.B. across Zakeria Bunder Road to Cotton Green Railway Station.	0.28
7.	Enclosing open spaces below F. O. B. at Parel T. T.	1.85
8.	Repairs and protection treatment to Princess Street Fly-Over Bridge.	0.74
9.	Construction of bridge acorss Majas Nalla, Jogeshwari (East) near Dhobighat.	0.07
Total Rs.		55.63

'B' WORK IN PROGRESS

(Rs. in lakh)

Sr.	Name of the work.	Estimated Cost Rs.	Expenditure incurred upto 31-3-89 Rs.
1.	Construction of R.O.B. along Goregaon Mulund Link Road in lieu of L.C. No. 29 on Western Railway between Goregaon and Malad Railway Station.	261.85	20.45
Total 'B'		261.85	20.45

ANNEXURE-1.

Air quality Monitoring during the year

Sr. No.	Station	Code	Ward	Address	Date of Installation
1.	2.	3.	4.	5.	6.
1.	Colaba	A1	A	Transport House, BEST, Shahid Bhagat-singh Rd. Colaba, Bombay-4000 39.	11-6-80
2.	BabulaTank	A2	B	Imamwade Municipal Secondary School, Immamwade Road, Bombay -- 400 009.	14-4-78
3.	Worli	A3	G/S	Worli Naka Municipal School, Dr. A. B. Road, Worli, Bombay -- 400 018.	21-1-85
4.	Dadar	A4	G/N	Woolen Mill Lane, Mun. Secondary School, Dadar (West), Bombay -- 400 016.	15-4-79
5.	Parel	A5	F/S	Nare Park Mun. School, Parel, Bombay -- 400 012.	10-5-82
6.	Sewrae	A6	F/S	Lalbahadur Shastri Nautical College, Bombay -- 400 033.	7-5-80
7.	Sion	A7	F/N	Dnyan Vikas, Mun. Night Sr. College, Sion Mun. Secondary School, Sion (East), Bombay -- 400 022.	22-1-85
8.	Khar	A8	H/W	Mun. Dispensary, Swami Vivekanand Rd., Khar (W), Bombay -- 400 052.	4-1-78
9.	Santacruz	A9	H/W	Gazadar Park Mun. School, Santacruz (West), Bombay -- 400 054.	12-1-78
10.	Andheri	A10	K/E	Mun. Primary School, Nityanand Marg, Koldongri, Andheri (East), Bombay -- 400 069.	19-12-86
11.	Sakinaka	A11	K/E	Municipal U. P. School, Near Marol Station, Saki Naka, Bombay -- 400 072.	17-4-79
12.	Jogeshwari	A12	K/W	New Mun. School, Oshiwara Garden Rd., Jogeshwari (W), Bombay -- 400 102.	15-6-80
13.	Ghatkopar	A13	N	Primary Mun. School No. 2, Ghatkopar (East), Bombay -- 400 075.	1-9-78
14.	Bhandup	A14	S	Primary Muni. School, R. S. Marg, Bhandup, Bombay -- 400 078.	29-12-86
15.	Mulund	A15	T	Mun. Secondary School, P. Kheraj Road, Mulund (W), Bombay -- 400 080.	4-6-80
16.	Borivli	A16	R/N	Sodawala Mun. School Sodawala Lane, Borivli (E), Bombay -- 400 092.	22-8-78
17.	Tilak Nagar	A17	M/W	Municipal Dispensary, Tilak Nagar, Chembur (W), Bombay -- 400 079.	17-5-82
18.	Chembur Naka	A18	M/W	Mun. U. P. School, Chembur-Naka, Ghatkopar, Mahul Marg, Bombay -- 400 074.	2-9-78
19.	Moravali	A19	M/W	Mun. School, Ghatkopar Mahul Marg, Bombay -- 400 074.	2-5-80
20.	Anik Nagar	A20	M/W	Anik Nagar Mun. School, Chembur Bombay -- 400 074.	10-5-82
21.	Mahul	A21	M/W	Staff Training Centre, Bharat Refineries, Mahul, Bombay -- 400 074.	4-6-80
22.	Mankhurd	A22	M/E	Municipal Primary School, Mankhurd, Bombay -- 400 094.	5-10-80

1988-89.

No. of sampling days in the year	No. of Samples collected & analysed				Total SPM	Meteo parameter	Data Process	TOTAL
	SO ²	NO ²	NH ³	SPM				
7.	8.	9.	10.	11.	12.	13.	14.	15.
33	194	386	194	98	367	2449	2046	5734
65	370	740	369	188	543	3076	4030	9316
76	434	868	434	223	585	5202	4712	12458
56	321	642	321	162	514	5964	3472	11396
114	663	1323	662	334	766	7623	7068	18439
68	382	758	381	194	503	6355	4216	12789
18	103	206	103	52	330	1724	1116	3634
67	390	779	385	195	559	4504	4154	10966
33	176	347	176	88	377	2718	2046	5928
67	376	752	376	193	475	3160	4154	9486
64	352	706	353	182	478	5861	3968	11900
63	364	728	364	186	492	3168	3906	9208
69	382	764	382	202	485	2944	4278	9437
70	380	764	382	200	428	3120	4340	9614
70	390	781	391	203	502	6337	4340	12944
65	371	738	371	193	498	6272	4030	12473
66	368	736	364	188	507	3038	4092	9293
62	336	672	335	179	500	3031	3844	8897
47	232	459	231	121	450	5194	2914	9601
57	311	622	311	164	407	4996	3534	10345
31	160	310	159	86	360	1338	2016	4429
64	354	705	355	182	547	6592	4224	12959
1325	7409	14788	7399	3813	10673	94666	82500	221246

ANNEXURE—II

Sr. No.	Activity	No. of Samples	
1.	Routine Monitoring (22 sites)	44080	
2.	Vicinity of Industries (41 sites).	2869	
3.	Assessment of Auto exhaust (Two sites)	1952	
4.	HEAL Project (Four sites).	1486	
5.	MDC British Link way project (Two sites).	821	
6.	Meteorology.	94666	No. of observations
7.	Data processing.	82500	No. of statistical functions.

ANNEXURE—III
Special Monitoring & Complaints attended.

Sr. No.	Month	Details of the sites.	No. of samples
1.	April 88	(i) Wadala Pumping Station.	248
2.	May 88	(i) Versova Sewerage Pumping Station New Pump House. (ii) Gastford. (iii) Gas smell of H. S. near Bombay Union Dyeing Mill, Parel (2-5-1988). (iv) Smell nuisance at B.E.S.T. Depot, Kurla (16-5-88). (v) Small nuisance Andheri Mahakali Road (17-5-88). (vi) Smell nuisance at Navjivan Society s.w.d. line gases from manhole (26-5-88).	129 199
3.	June 88		
4.	July 88	(i) Uttkarsh building near Standrad Mill Co. (ii) G. k. Marg Municipal School near Goodlas Nerolac Factory. (iii) Versiva Pumping Station. (iv) Wadala Pumping Station. (v) Malad Pumping Station. (iv) Gas Complaint at Mulund.	60 135 118 74 14
5.	August 88	(i) Shree Madhusudan Mill, Opp. P. Budhkar Marg, (ii) Veer Sambhaji Nagar, Mulund (near Western Mini Steel Co.) (iii) Tulsiram Co.-op. Society, Mulund (near Mini Steel). (iv) Krishna Kunj, Mulund (Near Mini Steel Co.) (v) Ameyanand Co-op. Society, Dadar. (vi) Bombay Dyeing & Mfg. Co. Ltd. I (vii) Bombay Dyeing & Mfg. Co. Ltd. II Elphinstone Road. (viii) Bhaveshwar Bhuvan Society Near Portuguese Church, Dadar (Indu Mill).	104 81 81 81 81 77 35
6.	Sept. 88	(ix) Gas leakage complaint of Amonia at Chembur. (j) Central Stores Cement Godown Byculla at different floors. (ii) Shree Madhusudn Mill. (iii) Gas leakage at Bane Compound Tulsiwadi, MPI School, Tardeo. (iv) Smell nuisance of Tar at Mukund Nagar Dharavi (19-9-88) near Shah Construction Co. (v) Smell nuisance at Nawab Tank bridges Dockyard Road Stn. (23-9-88).	154 54 36
7.	Oct. 88		
8.	Nov. 88	(i) Uttkarsh Building near Standard Mills, Prabhadevi. (ii) Chedda Nagar, Chembur. (iii) Avanti Nagar, Chembur. (iv) Telecom Factory, Deonar. (v) Smell nuisance at Sion Avanti Apartments (2-11-88)	81 54 54 81
9.	December 88	(i) Central Stores Cement Godown, Byculla.	104
10.	January 89	(i) Universal asphalt plant Goregaon (W), Sandesara House. (ii) Marry Immaculate School (Kalina near Jai Bharat Soap Factory). (iii) Kurla Gafharkhan Estate. (iv) Kondivita Village, Jogehwari.	54 18 27 56
11.	Feb. 89	(i) Gaphurkhan Estate, Kurla (W).	27
12.	March 89	(i) R.C.F. Sufia Plant Sulphuric Acid Plant. ANP Plant.	201 198 72
Total No. of sites—41 Nos.		Total No. of Samples.	2869

Statement showing the names and qualifications of the Heads of the branches of Engg. Deptt. for the year 1988-89.

1. **Dy. C. E. (M & E)**

Shri M. R. Shah
B. E. Elect.
(From 1-4-88 to 31-3-89)

2. **E. E. Mech (South)**

Shri A. S. Tikekar,
B.E.Mech. D.I.E.
(From 1-4-1988 to 31-3-1989)

3. **E.E.Mech (EI) Maint.**

Shri D. R. Mohol
B. E. Mechanical
From 1-4-1988 to 31-3-1989.

4. **E.E. Mech. (N&P)**

Shri M. M. Barve, i/c.
B.E. Mech.
from 1-4-1988 to 11-07-1989
Reverted as AE w.e.f. 12-7-89 12-7-89 under E.E.Mech N&P.
E.E. M&E (W.S.)

ii) Shri M. S. Sorathia,
B. E. Mech.
From 12-07-1988 to 31-03-1989

5. **E.E. (M&E) E.S.**

Shri P. A. Salunke,
B. E. Mechanical
From 13-12-1988 to 31-3-1989

6. **E. E. Mech. (EI)(P&D)**

i) Shri A. G. Haldavnekar
B. E. Mech.
From 1-4-1988 to 31-3-1989

7. **E.E. Medico Electronics Cell**

Shri U. R. Divekar
B. E. Electrical
From 1-4-1988 to 31-3-1989

8. **E.E. Mech. (E.S.) Construction**

Shri D. K. Warade.
B. E. (Mechanical)
From 1-4-1988 to 31-3-1989

HIGH LIGHTS :

IA—EXPENDITURE

(Rs. in Crores)

1. On execution of Loan Works	2.99
2. On execution of revenue works.	0.14
3. On Establishment	1.54
4. On other heads	
a. From Loan Works Budget	Nil
b. From revenue Budget.	0.18
B REVENUE EARNED	
1. Mechanical branch	
a) Jobs attended by —	
i) Workshop.	1168
ii) Foundry.	82
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	41
ii) Plant & Machinery Section jobs executed	
a) Departmentally	—
b) Through contract	13
iii) Refrigeration Section works by contract	
a) Completed	16
b) In progress	13

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 carries out repairs to furniture of different departments manufacturing of racks, notice boards, hand carts 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 carts, 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 Alluminium 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 appartes in the Garden, M. S. Water storage tanks, collapsible, rolling shutters, water pumps in all the Municipal installations in the City area.

(A) i) Work orders received from Wards & other institutions	437 Nos.
ii) Work orders completed	464 Nos.
(B) i) Work orders placed on outside agencies and amount thereof	56 Nos. Rs. 11,87,015.00
ii) Work orders completed and amount thereof	50 Nos. Rs. 11,10,642.00
(C) i) Drawings prepared	85 Nos.
ii) Sketches	70 Nos.
iii) Blue prints	1300 Nos.

7. MUNICIPAL POWER LAUNDRY :

The Municipal Power Laundry rendered washing services to the 53 Medical Institutions of M. C. G. B. during 1988-89.

Target laid down for 1988-89 of washing of linen —	Rs. 50,05,650.00
Linen actually washed during 1988-89 —	Rs. 54,99,243.00

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).

4. Plant and Machinery Section :

This section carries out repairs & maintenance of electrical machinery and electrical works in the existing Municipal properties. 18 estimates amounting to Rs. 6,76,474.00, 269 works carried out through outside agencies costing Rs. 32,26,722.00.

5. 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 117 estimates amounting to Rs. 57,13,884.00 prepared and works of electrification, providing pump sets, electrical fans, repairs to and providing sound system etc., amounting to Rs. 16,03,113/- are completed and works costing Rs. 9,49,882/- 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.

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 247 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.	9,14,909.00
ii) The cost of the estimates prepared	40,37,548.00
iii) The cost of the works carried out by private agencies.	14,46,439.00

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.

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 1988-89 is given below :—

1. No. of break down attended	177
2. No. of job attended	29
3. No. of preventive maintenance—	
a) A type	50
b) B type	26
c) C type	19
d) D type	6

The total strength of this section is 22 employees (Labourer as well as Superior).

b) Mechanical Repair Shop.

The Mechanical Repair shop known as Design Section has to carry out mechanical repairs at various installations such as Hospitals, Markets, School, Gardens and Office 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 1988-89 are given below :—

1. Rolling shutters	9 Nos.
2. Collapsible gates	
3. M. S. O. H. tanks	11 Nos.
4. Hand carts	11 Nos.
5. Office furniture	3 Nos.
6. Cemetery articles	1 No.
7. Hospital jobs	9 Nos.
8. Special jobs	25 Nos.
9. Electric pump sets P. M.	40 Nos.
10. Break down of pump attended	50 Nos.

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 1988-89

1. The backlog of the year 1988-89	120
2. Job received	782
3. Job completed	717
4. Job pending	185

Medico Electronics Cell

This cell was set up from December, 1987 as per M. C.'s sanction. However, it could start functioning effectively from March 1988 when all staff was available to work under M.E.C.

The staff of the cell visits once in a week to Major Hospitals and once in a month to peripheral hospitals, to attend minor repairs, advise on purchase, service contracts, repairs of equipments, etc. besides this, this cell is repairing the equipments at Bhandup Complex where the office of S. E. Medico Electronics cell is situated. This cell has so far performed its work during 1988-89 as follows :

1. Total No. of equipments received.	385
2. Total No. of equipments repaired.	226
3. Total No. of equipments balance for repairs.	83
4. Total No. of equipments scrapped.	76
5. Total No. of equipments repaired on the spot.	120

Hospital Wise Break Up

Sr. No.	Name of Hospital	Total Equipments received.	Total equipments repaired.	Equipments Scrapped.	Equipments balance.
1.	Nair	177	74	38	25
2.	L. T. M. G.	79	52	9	18
3.	K. E. M.	887	39	19	29
4.	Peripheral	82	61	10	11
Total :		385	126	76	83

Detailed report of total output of Municipal Foundry for the year 1988-89.

APPENDIX - 1

Sr. No.	Name of the castings.	Quantity	Rate Rs. Ps.	Per	Amount. Rs. Ps.
1.	C. I. Manhole Frames and Covers 540 mm.	957 Nos.	1,300.00	Each	12,44,100.00
2.	Rect. Manhole frames and covers 914 x 610 mm.	238 Nos.	1,500.00	"	3,57,000.00
3.	Rect. Manhole frames and covers 914 x 457 mm.	231 Nos.	1,300.00	"	3,00,300.00
4.	C. I. Machinable casting.	32,000 Kgs.	13.50	Kgs.	4,32,000.00
5.	Brass Casting.	1972 Kgs.	45.00	"	88,740.00
6.	White Metal Brassing.	10 Nos.	400.00	Nos.	4,000.00
Total :-					24,26,140.00

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 3.	Subs. 4.	City 5.	Subs. 6.	City 7.	Subs. 8.	City 9.	Subs. 10.	
1.	School	2	21	4,06,000.00	18,66,000.00	—	—	—	—	—
2.	Housing	11	4	14,20,708.00	6,23,000.00	—	1	—	—	1,91,625.00
3.	Hospitals, Maternity Homg, Dispensaries.	12	12	41,75,900.00	31,19,274.00	3	1	20,87,797.00	—	16,59,231.00
4.	Markets	3	—	5,44,000.00	—	—	—	—	—	—
5.	Offices	10	7	14,34,352.00	15,88,320.00	2	1	8,87,263.00	—	50,213.00
6.	Transport Garage	2	2	4,91,270.00	13,05,000.00	—	—	—	—	—
7.	Welfare Centre	1	1	2,45,000.00	70,000.00	—	—	—	—	—
8.	Cemetery	1	3	1,37,000.00	7,32,000.00	1	—	1,96,876.00	—	—
9.	Swimming Pool	—	1	—	9,95,000.00	—	—	—	—	—
10.	Lifts	4	1	31,96,000.00	4,31,484.00	—	—	—	—	—
11.	Intercom	—	—	—	—	—	—	—	—	—
12.	Fire fighting	—	—	—	—	—	—	—	—	—
13.	Fire brigade	1	—	5,25,000.00	—	—	—	—	—	—
14.	Gardens	17	12	23,94,217.00	19,21,400.00	4	1	3,29,106.00	—	30,700.00
15.	Sports Complex, Andheri	—	5	—	9,93,220.00	—	2	—	—	13,26,343.00
16.	Etc.	5	3	4,99,200.00	1,34,204.00	3	4	99,910.00	—	1,93,914.00
Total :		69	72	1,54,70,647.00	1,37,78,902.00	13	10	35,80,952.00	—	34,51,426.00

APPENDIX - III

Sub : Administrative report for the year ending 1988-89 of Refrigeration Section.

Sr. No.	Description of proposal	Estimated prepared				Tender invited/works order placed			
		City		Suburbs		City		Suburbs	
		Nos.	Amount	Nos.	Amount	Nos.	Amount	Nos.	Amount
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
		Rs.		Rs.		Rs.		Rs.	
LOAN WORKS :									
1.	Window model	98	34,32,522.90	73	22,86,432.00	65	14,67,337.60	10	2,12,900.00
2.	Triomatic/Adoptomatic	—	—	1	3,71,750.00	1	70,304.00	23	12,13,942.00
3.	Package units	4	14,79,565.00	—	—	1	9,70,424.00	—	—
4.	Roof Insulation/False ceiling	1	16,500.00	—	—	—	—	—	—
5.	Mortuary cabinets	1	97,500.00	2	1,85,800.00	—	—	7	50,86,55.40
6.	Walk-in-cooler	2	7,57,000.00	—	—	1	17,66,40.00	1	1,70,242.56
7.	Ventilation system	1	1,55,000.00	—	—	—	—	—	—
8.	Sun film to window glasses.	1	2,32,146.60	—	—	1	2,32,146.60	—	—
Total :		108	61,70,234.50	76	28,43,982.00	69	29,16,852.20	41	21,05,739.96

APPENDIX - IV
ELECTRIFICATION AND PROVIDING ELECTRICALLY DRIVEN WATER PUMPING SETS ETC.

Sr. No.	Description of the work.	Works completed	Actual expenditure Rs.	Work in progress	Expenditure upto 31-3-88 Rs.	REMARKS.
1.	2.	3.	4.	5.	6.	7.
1. SCHOOL						
	City	1	1,00,000.00	—	—	Outstanding payment made for previous works (For 3 schools).
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	—	—	1	5,78,000.00	
2. WARD OFFICES.						
	City	2	4,24,000.00	—	—	
	Western Suburbs.	1	50,000.00	1	1,50,000.00	
	Eastern Suburbs.	—	—	—	—	
3. HOSPITAL & DISPENSARIES MATERNITY HOME.						
	City	5	10,60,000.00	5	28,86,000.00	
	Western Suburbs.	—	—	4	14,27,000.00	
	Eastern Suburbs.	1	1,04,000.00	4	10,33,000.00	
4. MARKETS.						
	City	—	—	—	—	
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	—	—	—	—	
5. HOUSING.						
	City	2	1,44,000.00	5	62,000.00	
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	3	7,66,000.00	—	—	
6. GARAGES.						
	City	—	—	—	—	
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	—	—	—	—	
7. WELFARE CENTRE/ GYMNASIUM.						
	City	1	1,03,000.00	—	—	
	Western Suburbs.	—	—	4	32,45,000.00	
	Eastern Suburbs.	2	30,25,000.00	3	6,32,000.00	
8. LIFTS.						
	City	2	20,00,000.00	4	22,70,000.00	
	Western Suburbs.	2	20,75,000.00	2	4,73,000.00	
	Eastern Suburbs.	—	—	—	—	
9. CEMETERIES/CREMATORIUM						
	City	—	—	2	7,71,000.00	
	Western Suburbs.	2	3,78,000.00	1	1,91,000.00	
	Eastern Suburbs.	1	1,20,000.00	1	70,000.00	
10. FIRE BRIGADE.						
	City	2	12,03,000.00	1	1,94,000.00	
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	1	10,62,000.00	1	4,50,000.00	
11. DRAMA THEATRE/TRAINING CENTRE SPORTS COMPLEX.						
	City	—	—	—	—	
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	1	430.00	—	430.00	
12. SWIMMING POOL.						
	City	—	—	—	—	
	Western Suburbs.	2	4,10,596.97	—	—	
	Eastern Suburbs.	—	—	1	6,00,000.00	
13. MISC. WORK . AIRCONDITIONING ELECTRIFICATION SLUMS.						
	City	—	—	—	—	
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	—	—	—	—	
14. Library						
		—	—	1	2,50,000.00	
Total :—			50,78,932.97		1,59,93,430.00	

CHIEF ENGINEER (DEVELOPMENT PLAN)

The Corporation have finalised the draft revised Development plan of Greater Bombay 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. B. 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 Greater Bombay 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 to 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 on 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 :

In view of the financial stringency of the Municipal Corporation and further since the plots under acquisition are mostly found encumbered and no useful purpose will be served by acquiring such plots in the absence of provision for alternative accommodation, it has been decided to keep all the acquisition cases pending and decide fresh priority for continuing acquisition proceedings after properly examining necessity of the land for the particular user and suitable provision for alternative accommodation to the existing occupants. However, in the cases where lands are immediately needed for specific projects like RBB, net work of roads, etc. the acquisition proceedings have been continued. Similarly the cases where the purchase notices have been served by the owners of the lands under reservations are also acquired to comply with the provision of section 127 of the M. R. & T. P. Act or section 49 of the M. R. & T. P. Act, 1966, as the case may be.

In view of the above, in the financial year 1988-89 in two cases the lands are being acquired. In one case, the award have been declared and possession of the lands has taken over.

It may be mentioned that as per the condition of the exemption orders under the U. L. C. & R. the developers are required to hand over the lands reserved for various public purposes within their holding to the Municipal Corporation free of cost and free of encumbrances. Similarly, owners who have availed of benefit of F. S. I. of the proposed D. P. road lands under the provisions of D. C. Rule 10(2) are also required to hand over the possession of the D. P. road lands from their holding to the Municipal Corporation free of cost and free of encumbrances. The Municipal Corporation has taken over 27 plots under such circumstances from the development free of cost and free of encumbrances.

TOWN PLANNING SCHEMES IN GREATER BOMBAY :

There are all 33 T. P. Schemes in the Greater Bombay, of which 4 T. P. Schemes in City area, 25 in Suburbs and 4 in extended suburbs except the below mentioned T. P. Schemes, Sr. No. 1 all the T. P. Schemes are being implemented by the concerned Ward Officers. Also the 24 T. P. Schemes mentioned at Sr. No. 11 below, are under variation to incorporate the proposal under the draft revised D. P. of Greater Bombay and other provisions etc., and on finalisation of the Revised Development plan the draft scheme for the proposed variation of 24 T. P. schemes will be submitted to the State Government for final sanction.

List No. I

- (1) T. P. S. Vile Parle No. V. : The final sanction of the state Government to this T. P. Scheme is still awaited.
- (2) T.P.S. Borivali No. II : This T.P.S. schemes is before the State Government for final sanction and the same is still awaited.
- (3) T.P.S. Borivali No. III. : This Arbitrator, T. P. Schemes Bombay has declared his award for this T. P. S. and submitted the same to the State Govt. and the Tribunal of Appeal for this T. P. S. is to be appointed.

List No. II

1. T. P. S. B. C. No. I (Mandvi & Elphinstone Estate)
2. T. P. S. B. C. No. IV (Mahim Area)
3. T. P. S. Bandra No. I
4. T. P. S. Bandra No. II
5. T. P. S. Bandra No. IV
6. T. P. S. Bandra No. V
7. T. P. S. Bandra No. VI
8. T. P. S. Bandra No. X
9. T. P. S. Santacruz No. I
10. T. P. S. Santacruz No. II
11. T. P. S. Santacruz No. III
12. T. P. S. Santacruz No. IV
13. T. P. S. Vileparle No. I
14. T. P. S. Vileparle No. II
15. T. P. S. Vileparle No. III
16. T. P. S. Vileparle No. IV & IV-A
17. T. P. S. Vileparle No. VI
18. T. P. S. Andheri No. I
19. T. P. S. Andheri No. II
20. T. P. S. Andheri No. VI
21. T. P. S. Ghatkopar No. I
22. T. P. S. Ghatkopar No. II
23. T. P. S. Malad No. I
24. T. P. S. Borivali No. I

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 the Ch. Eng. (D.P.) and activities of Building proposal section in these zones are 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 cut short the delay in approving the plans, a manual has been prepared by the administration in consultation with PEATA 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 1-4-1988 to 31-3-1989.

Sr. No.	Designation	Name of the officer	Qualifications	Period		Remarks
				From	To	
1.	Ch. Eng. (D.P.)	Shri M. Y. Sabnis	B.E. (Civil)	1-10-1987	upto date	

STATEMENT—II

(The statistical information to be furnished by sectional heads).

Particulars	Development Plan	B. P. City	Eastern Suburbs	Western Suburbs
	Rs.	Rs.	Rs.	Rs.
I—Expenditure				
1) Expenditure incurred on execution of works from L. W. Budget.	3,86,25,276.80	Report will be submitted separately by E.E.B.P.(City).	Nil	2,31,14,760.00
2) Expenditure incurred on execution of works for maintenance of properties etc. from Revenue Budget.	2,49,600.00	—	—	—
3) Expenditure on the establishment.	71,65,121.14	46,86,985.00	21,42,822.00	78,31,314.00
4) Expenditure on the other heads				
a) From loan works budget	—	—	—	—
b) From Revenue Budget	—	2,60,692.68	—	1,70,126.00
Total :	4,60,39,997.94	49,47,677.68	21,42,822.00	3,11,16,200.00
II—Revenue				
Revenue earned by the deptt. during the year 1988—89.	5,83,225.00	1,73,63,279.00	1,69,68,249.17	5,38,84,098.00

Sd/-
Chief Engineer,
(Development Plan).

STATEMENT—III

Information for the period from 1-4-88 to 31-3-1989.

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. proposals received	151	386	537	235	99	334	566	173	739
2) Permits issued for construction of Bldg. (IOD/66 CC)	50	164	214	142	66	208	508	120	628
3) Completion certificate received (OCC/BCC)	50	65	115	84	30	114	509	138	647
4) Total No. of Bldg. dealt with	121	289	410	226	96	322	1583	431	2014

No. of residential building constructed by different agencies (Other than Municipal) during the year 1988-1989.

Agencies	City		Eastern Suburbs		Western Suburbs	
	No. of bldgs.	No. of tenements	No. of bldgs.	No. of tenements	No. of bldgs.	No. of tenements
1) Private Enterprises	61	3058	156	2553	328	6926
2) Co-operative societies.	6	281	12	631	38	759
3) Employer's for their employees.	9	362	17	546	1	75

Sd/-
Chief Engineer,
(Development Plan).

MUNICIPAL CORPORATION OF GREATER BOMBAY

STATEMENT — IV

Information showing the proposals received for non residential buildings :—

	Western Suburbs	Eastern Suburbs	City
(1) No. of proposals received	72	84	138
2) No. of Proposals disposed off :	62	45	72
3) No. of Bldg. constructed during the year	53	35	127

Details of layouts amalgamation and sub-division proposal received during the year 1988-89.

Wards	Layout		Amalgamations		Sub-division	
	received	sanctioned	received	sanctioned	received	sanctioned
City :						
A	—	—	2	1	—	—
B	—	—	—	—	—	—
C	—	—	—	—	—	—
D	2	5	5	2	3	—
E	3	3	2	1	5	—
F/S	1	1	2	2	—	—
F/N	1	1	2	—	1	—
G/S	3	2	3	1	2	1
G/N	2	1	2	2	—	—
Eastern. Suburbs :						
L	2	3	4	2	6	5
M	9	5	3	2	2	6
N	4	12	1	—	1	2
T	5	4	1	3	2	3
S	8	4	2	—	3	3

Sd/-
Chief Engineer,
(Development Plan).

Statement showing the information of the Head of the Department of Solid Waste Management.

Sr. No.	Desingation	Name of the Officer	Qualification	Period of leave taken in the year 1988-89	Remarks
1.	2.	3.	4.	5.	6.
1.	Chief Engineer (S. W. M.)	Shri C. D.Kotnis.	B. E. (Mech.)	1) E. L. for 30 days from 28-3-88 to 26-4-88 with benefit of Public Holiday on 27-3-88 Resumed duty on 27-4-88. 2) Commuted leave for 31 days from 26-7-88, to 25-8-88. Resumed duty on 26-8-88. 3) E. L. For 17 days from 22-9-88 to 8-10-88 with benefit of Sunday & holiday on 20-9-88 & 21-9-88 & 9-10-88 Resumed duty on 10-10-88.	
2.	Dy. City Engineer (S.W.M.)	Shri P. U. Panjwani.	B. E. (Mech.)	Nil.	

Administration Report of Solid Waste Management Department for the year 1988-89 (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. The quantity of refuse debris and other waste material collected in street cleansing operation as well as from residential premises was approximately 7.56 lakhs tonnes in City and 5.37 lakhs tonnes in Subs. average per day being 2071.57 & 1473.70 tonnes in City & Subs. respectively. During the year, 227 hutment colonies in City and 960 in Subs & Ex. Subs. situated on Government, Maharashtra Housing Board, Private and B. M. C.'s land were attended to and 57775 and 86157 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 Vehicles.	Vehicles shift on contract.	Percentage	
				Municipal Vehicle.	Contractor's vehicle.
1.	City	42,645	1,15,971	26.88	73.12
2.	Sub. & Ext. Subs.	24,389	74,014	24.78	75.22

For transportation of refuse 22 compacting vehicles are utilised which carry 1 1/2 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 7,56,123 tonnes. The final disposal of refuse was done by reclaiming Lowlying 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 5,37,900 tonnes.

Public & Private Latrines and Urinals :

During the year, 1272 public sanitary conveniences with 7333 W. C. Seats and 1315 Urinals Seats were maintained. There exist 82 separate urinal blocks with 391 urinal seats in the City area and 183 Urinal blocks with 732 urinal seats in the Suburbs and Ext. Subs.

Private Agencies have come forward to construct P.S.C.s for the floating population. Accordingly B.C.C. (Bombay Citizen Committee) has constructed 8 such units in different wards. Sulabh International, a non profiting Agency has also been entrusted with the work of construction and maintenance of P.S.C. in the City.

Prevention of Nuisance :

1189 cases in the City and 1121 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. 83,685/- were recovered as fine. During the year 781 cases in the City and 822 cases in Sub. & Ext., Subs. were lodged under Section 372(E) of the Bombay Municipal Corporation Act, & Rs. 33,390/- and Rs. 49,548 were levied as fine respectively in the City and Suburbs.

Conservancy Services :

Special Conservancy Services were rendered to Circus shows, Exhibitions, Big concerns, Industrial Establishments etc. on payment of schedule charges. An amount of Rs. 2,80,218/- was received for rendering conservancy services.

Expenditure on conservancy services for the year 1988-89 :

The total expenditure for Div. I, II & III incurred on Collection, Removal and Disposal of Garbage, Cesspool and Maintenance of cleanliness of Public Sanitary Conveniences etc. during the year, was Rs. 51,03,21,957.48. Out of which Rs. 46,09,98,916.42 was for clearance, transportation and disposal of refuse of 14.38 lakhs tonnes. The expenditure on Halalkhore services in the City and suburbs was Rs. 1,24,69,645.95 and Rs. 3,68,53,395.11 respectively.

The cost of removal per tonne of garbage comes to Rs. 320.59 and per capital Rs. 61.90.

So far as the Solid Waste Management Department, is Division-I is concerned the Statistical data regarding Revenue and Expenditure for the year 1988-89 for City Wards is given below :

I Revenue		98,63,220.00
II Expenditure :		Rs.
1) Expenditure on Establishment.		
i) Expenditure on Supervisory Staff.	Div.—I	1,08,79,621.87
ii) Expenditure on sweepers	Div.—I	12,44,26,502.11
iii) Expenditure on Motor Loaders.	Div.—I	6,02,26,518.77
iv) Expenditure on Halalkhores	Div.—I	1,24,69,645.95
v) Expenditure on L. S. Bigaries.	Div.—I	—
vi) Expenditure on K. D. Rly Staff.	Div.—I	79,060.00
Total		20,80,81,348.70
2) Expenditure from Revenue Budget		
i) Revenue Expenditure on maintenance of properties etc.	Div.—I	60,31,769.00
ii) Expenditure on Transport (hire & Muni.)	Div.—I	4,95,69,068.00
iii) Expenditure on removal of debris silt & house-gully material.	Div.—I	69,72,890.00
iv) Expenditure on other heads.	Div.—I	37,30,452.00
Total Expenditure from Revenue Budget		6,63,04,179.00
3) Expenditure from Loan Works Budget.	Div.—I	40,45,750.00
Grand Total of Expenditure (1+2+3)		27,84,31,277.70

So far as the Solid Waste Management Department, is concerned the Statistical data regarding Revenue and Expenditure for the year 1988-89 for Western Suburbs and Eastern Suburbs.

	Division — II	Division — III	Total
	Rs.	Rs.	Rs.
I Revenue	41,82,989.00	5,56,164.00	47,39,153.00
II Expenditure :			
1) Expenditure on Establishment.			
i) Expenditure on Supervisory Staff.	2,59,45,344.88	1,05,76,193.00	3,65,21,537.88
ii) Expenditure on sweepers	5,04,79,322.66	3,86,95,603.94	8,91,74,926.60
iii) Expenditure on Motor Loaders.	1,59,63,479.90	1,07,98,769.76	2,67,62,267.66
iv) Expenditure on Halalkhores	2,45,60,242.10	1,22,93,153.01	3,68,53,395.11
v) Expenditure on L. S. Bigaries.	69,15,580.53	5,53,339.34	74,68,919.87
vi) Expenditure on K. D. Rly Staff.	—	18,11,154.00	18,11,154.00
Total Expenditure on Establishment.	12,38,63,988.07	7,47,28,214.11	19,85,92,202.18
2) Expenditure from Revenue Budget			
i) Revenue Expenditure on maintenance of properties etc.	15,38,948.76	1,67,905.00	17,06,853.76
ii) Expenditure on Transport (hire & Munl.)	95,31,091.02	83,66,746.66	1,78,97,837.68
iii) Expenditure on removal of debris silt & house-gully material.	56,18,171.88	36,56,096.48	92,74,268.36
iv) Expenditure on other heads.	13,49,945.00	3,72,250.80	17,22,195.80
Total Revenue Budget	1,80,38,156.66	1,25,62,998.94	3,06,01,155.60
3) Expenditure from Loan Works Budget.			
Total Loan Works Budget.	12,17,455.00	14,79,867.00	26,97,322.00
Gr. Total (1+2+3)	14,31,19,599.73	8,87,71,080.05	23,18,90,679.78

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 1988-89.

(A) Head of the Deptt. Shri P. B. Momin	:	Chief Engineer (Roads & S. W. Drains) for April 1988 to March 1989 B.E. (Civil).
(B) Head of the Branches :		
1) Dy. Ch. E. (Rds. & SWD) City	:	Shri G. P. Mangaonkar, B.E.(Civil) upto 30-5-88. Shri G. A. Redkar. B.E. (Civil) from 1-6-88.
2) Dy. Ch.E. (Rds. & SWD) WS	:	Shri V. H. Kulkarni B. E. (Civil) A.M.I.E., M.E.(P.H.) 1-4-88 to 31-3-89.
3) Dy. Ch. E. (Roads & SWD) ES	:	Shri G. G. Pathak, B.E. (Civil) 1-4-88 to 31-3-89.
4) Dy. Ch. E. (Rds.-Traffic)	:	Shri V. N. Abhyankar, B. E. (Civil) 1-4-88 to 31-3-89.
5) Dy. City Engineer (Project)	:	Shri B. S. Joshi i/c upto 31-8-88 Shri S. G. Kashikar 1-9-88 to 31-3-89 Working under the City Engineer.

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 is Dy. Chief Engineer (Roads-Traffic) looking after the work of traffic & Co-ordination. He co-ordinates the works of various utilities with Additional Commissioner of Police (Traffic). There is one more post of Dy. City Engineer manned by Shri Kashikar who is looking after the work of construction of subways and flyovers. 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 has been transferred under the City Engineer and is therefore designated as Dy. City Engineer (Roads-Project).

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 planning construction and maintenance of roads and storm water Drains and nallah training works. These Projects are :-

1. **Prime Minister Grants Project (PMGP)**: So far as it relates to Roads and mainly the Storm Water Drainage network in Dharavi Area.

2. Construction of roads and Storm Water Drains and Training of Nallas under Bombay Urban Development Project (BUDP-I) which is at present in progress at (i) Charkop Kandivli, (ii) Gorai-Borivali (iii) Varsova and (iv) Mulund.

3. **BRIM-STOWAD** — (Brihanmumbai Mahanagarपालिका Storm Water Drainage) Project for preparation of Storm Water Drainage master plan and rehabilitation of old S. W. Drains and sewers for which consultants are being appointed.

4. **Concreting of junctions & roads** : — Many arterial roads in the City and Suburbs develop serious potholes at an near some busy junction and disrupt traffic during monsoon. Hence Municipal Commissioner decided to undertake the concreting of such portions on war footing. 27 such works are to be taken up.

Details functioning of (i) Municipal Asphalt Plant of Worli and (ii) Traffic & Co-ordination Deptt. are attached.

Detailed activities of the maintenance Department of Roads and S. W. Drains headed by Chief Engineer and by Zonal Dy. Ch. Engr. (Rds. & SWD) is given below :-

I. (A) EXPENDITURE :	Rs.
1. Expenditure incurred on execution of works from Loan Works Budget.	14,70,62,050.00
2. Expenditure incurred on execution of works for maintenance of properties etc., from Revenue Budget.	8,36,83,708.00
3. Expenditure on Establishment.	90,32,594.00
4. Expenditure on other heads	
i) From Loan Works Budget	—
ii) From Revenue Budget	81,88,200.00
 (B) REVENUE :	
Revenue earned by the Deptt. during year.	3,88,820.00

II. ROAD CONSTRUCTION BRANCH :

	Total No. of works completed	Total No. of works in progress
1. Road resurfacing in asphalt concrete.	6	6
2. Road resurfacing in cement concrete.	1	4
3. New roads including S. W. Drains.	6	7
4. Road widening.	10	16
5. Any other works.	20	31
6. Storm Water Drains.	6	16
7. Nallas.	27	23

MAINTENANCE OF MUNICIPAL ROADS :

1. Roads (in Km.) : 1663 Km.
 2. No. of works carried out through P. W. C. : 1058 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 -	63.55	229.19	—	—	250.19	542.93
Subs.	150.35	876.84	5	18.10	69.77	1,120.06
	<u>213.90</u>	<u>1106.03</u>	<u>5</u>	<u>18.10</u>	<u>319.96</u>	<u>1,662.99</u>

(ii) Improvement of roads :

Area	Street Asphalt	Chip on asphalt roads	Semi grouting	Asphalt concrete	Surface dressing
City Area (Sq.M.)	35,000.00	400	34,700	4,000	46,367
Subs. Area (Sq. M.)	31,993.48	550	94,360	13,637	6,000

There were 44 road rollers (Diesel driven).

Permits 4933 in city and 7096 in Suburbs were issued for excavation in roads & footpaths. The cost of reinstatement of disturbed surfaces was charged to respective permit holders and the trenches were repaired amounting to Rs. 23,75,397/- in City and Rs. 92,21,895/- in Suburbs and an amount of Rs. 40,394/- in lakhs in City and Rs. 9,19,585/- in Suburbs were recovered as fees for these purposes. 108 notices in City and Nil 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 739 permits in City, 691 permits in suburbs were issued for occupation of roads for erecting mandaps, placing chairs and benches etc., and Rs. 67,809 from City and Rs. 5,51,731 from Suburbs were realized in this account.

ADMINISTRATIVE REPORT FOR THE YEAR — 1988-89

Dy. CHIEF ENGINEER (ROADS & S. W. DRAINS) City

PLANNING OF STORM WATER DRAINS & NALLAS

For the year 1988-89, 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 nallas training works were taken up in hand with the help of financial aid from the Central Government. Some of these nallas, where training have already been completed, are as below :—

1. Love Grove Nalla
2. Nehru Science Centre nalla
3. J. K. Chemical nalla
4. Joglekar & Naik Nagar Nalla
5. Antop Hill Nalla

The three nalls i. e. Training of Textile Mill Nalla Part I & II and Dadar Dharavi Nalla are not trained due to highly encroachment of hutments. However, these works are terminated. The tender for training of part of J. K. Chemical Nalla which is passing to the land belonging to B.M.R.D.A. are being invited.

P.M.G.P. WORKS :

There are certain civil works are being carried out in Dharavi area, under Prime Minister's Grant Project Scheme since 1987.

The following works are being carried out under P.M.G.P. with total outlay of @ 18 Crores as per original estimates.

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 works.

The following works of P & L S. W. Drains are in progress.

- (a) Providing and laying storm water precast box drain along Dharavi Road, Phase-I.
- (b) Providing and laying storm water percast box drain along Dharavi Road, Phase-II.
- (c) Providing and laying precast and cast-in-site S. W. Box Drain along Jasmine Mill Road.
- (d) Providing and laying precast S. W. Box drain along Andhra Vally Road.
- (e) Providing and laying storm water pipe drains along part of 1) Dharavi Main Road, 2) 90' Road, 3) Dharavi Sion link road, 4) Andhra Valley Road.
- (f) Providing and laying S. W. Box drain in Part of 60' Road from Estrella Battery Jn. upto Dharavi Sion Road.
- (g) Providing and laying Part of Dharavi Sion Link Road, constructing out fall A, B & C.

As there are number of unauthorised hutments comming in the alignment of S. W. Drain in remaining Drainage Dist. A and B of Dharavi, it is propose to invite two tenders in consultation with State Govt., P.M.G.P.

Wherever the portion is made available on completion of laying of all utility services on major and minor roads where roads are possible to widen on Dharavi, it is also proposed to invite tender for roads works.

Out of above mentioned Rs. 18.00 Crores, the Corporation has received an amount of Rs. 4.5 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 developed 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 Gorai, Versova and Charkop.

The Standing Committee and the Corporation have accorded their approval *vide* Standing Committee Resolution No. 1283, dated the 24th March 1983 and the Corporation Resolution No. 583, 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 Gorai 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.

NOTE ON CONCRETE ROAD PROJECT.

During the continuous wet— appels in rainy season of 1988, a lot of damage had occured in certain patches on main arterial roads. The inconvenience caused to public had called for very bitter criticism in Press as well as from Municipal Councillors. Even though these patches have been covered up with Asphalt Macadam and Seal Coat, the riding quality has been reduced. Also such patches will again get eroded during the next monsoon, as these portions have formed weak spots. To have a permanent remedy and repairs to such stretches, it has been decided to concrete atleast 4 lanes out of 6 or 8 lanes of the existing arterial roads as well as concreting of junctions for full or part portion as may be necessary in City and Suburbs.

The work of consultancy in this respect i. e. the works for finding out soil resisting test by plate bearing method and by loading the trucks etc. and for the design of cement concrete slabs after studying the road condition and sub-strata in detail, was assigned to the Central Road Research Institute of Government of India, New Delhi. Their teams have visited Bombay many times and have studied the sub-strata problems. They have also to train the Municipal Engineers regarding detailed supervision aspects to be carried during cement concreting of roads. For this purpose, they have charged consultancy fees of Rs. 1,96,000 which has been paid. Three seminars on this subject were organised on _____ and 6-8-1988 when eminent Engineers of various organisations within Bombay and outside Bombay were called. The last seminar was attended by C. R. R. I. Engineers as well.

After taking into consideration, the detail report of studies and recommendations made by Central Road Research Institute, New Delhi, the sealed tenders have been invited for in all 27 works i.e. 9 works in City, 9 works in Western Suburbs and 9 works in Eastern Suburbs from the contractors registered in the class AA and Categories I, II & IV to VI (for ensuring been competition) by public advertisement in approved News Papers for concreting 70 spots of certain roads and the junctions under 27 contracts referred to above.

So as to complete the above works of concreting roads and junctions within the time bound period, necessary provision has been proposed under Loan Works, Budget 'A', Division—I, II and III, XV—Traffic Operations, Roads & Bridges, A—General, C-Road Constructions.

	R. E. 1988-89	B. E. 1989-90
City	Rs. 1,98,04,000/-	Rs. 5,95,51,000/-
Western Suburbs.	Rs. 2,20,00,000/-	Rs. 4,80,00,000/-
Eastern Suburbs.	Rs. 3,00,00,000/-	Rs. 8,00,00,000/-

The item was withdrawn by the Administration in March 1989 as the same was not considered till then by the competent authority. It is decided to reinvoke the tenders so as to start the works in October 1989.

SHORT NOTE ON BOMBAY STORM WATER DRAINAGE MASTER PLAN

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 suburban areas are having natural open storm water drainage system discharging into creek on Arabian Sea. Thus the storm drainage system in City as well as the suburban area 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 implements master plan prepared by the consultants according to the Municipal requirements. As the project cost for this storm water drainage Master Plan would be a huge amount (around Rs. 200 crores) the issue was discussed with the World Bank representatives. It was indicated that World Bank would be inclined to finance the project, if the feasibility report is put up for the consideration of World Bank. The World Bank agree funding the cost of appointing consultants from the ongoing of B. U. D. P. Project under No. 1544/N aided by the World Bank.

After getting assurance from World Bank, B. M. C. had invited applications for pre-qualifications from Consultancy firms on international basis for the purpose of short listing the consultants. In response to this invitation, 17 applications were received for pre-qualification and selection of six short listed consultancy firms have been done in accordance with World Bank guide lines. The Terms of Reference have been given to these six short listed firms inviting the Consultancy proposals from them.

The proposals are returnable on 19-4-1989.

Sub : Administration report for the year 1988-89 pertaining to the office of A. E. Asphalt Plant.

III— F Asphalt Plant.

The work of asphaltting roads approved by the Corporation were carried out during the year and 65,296 sq. mts. area of roads were asphalted with Chip coat produced at the Asphalt Plant Worli. Besides asphalt plant has supplied 5645.40 M.T. OF cold mix to wards for repairing potholes on minor roads and an footpaths. Total cost of production of premix for wards, refurbishing of roads and repairing potholes is Rs. 66,66,729.12.

(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 seven month and Pegson Plant was in operation for remaining five months. Actual working days were 295 days and remained closed for 70 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 65,296 sq. mts. of Asphalt roads were repaired with Bitumen, Surface, Chip Coat etc., & earned Rs. 42,62,111.53.

(c) 5,645.40 M. T. of cold mix were supplied to wards and earned Rs. 24,04,607.39.

The total turn out by the Main and Pagson Plant were 7,528.43 M.T. & 4,261.95 M.T. respectively.

MATERIAL TESTING LABORATORY
Administrative Report for year 1988-89.

		Municipal work no charges	Municipal work with charges	Private work usual charges	Govt. work concessional charges	Revenue	Actual Work done				
		1	2	3	4	5-2+3+4	6-1+5				
Concrete Cubes :	No. of samples.	2010	804	727	361	1,892	3,904				
	Rate Rs.	—	—	30/-	15/-	—	—				
	Amount Rs.	60,300	24,120	21,810	5,415	51,345	1,11,645				
Cement :	No. of Samples	94	189	15	15	219	313				
	Rate Rs.	—	210/-	210/-	210/-	—	—				
	Amount Rs.	19,740	39,690	3,150	3,150	45,990	65,730				
Bricks :	No. of Samples	20	185	12	—	197	217				
	Rate Rs.	130/-	130/-	130/-	—	—	—				
	Amount Rs.	2,600	24,050	1,560	—	25,610	28,210				
Steel :	Dia.	25	75	25	25	25	25				
	No. of samples	—	—	19	338	3	32	2	10	204	204
	Rate Rs.	100	400 50	100	400 50	100	50	100	50	—	—
	Amount Rs.	—	—	1900	680	300	160	200	500	11,400	11,400
Total Amount						1,34,345	2,16,985				

Road Material Testing Laboratory Worli.
Administrative Report for the year 1988-89.

Particulars	No. of tests done.	Amount of Revenue		Free testing done worth	Worth of Total work done.
		Deptt.	Pvt.		
		Rs.	Rs.	Rs.	Rs.
1) Asphalt mixes	11,190	20,700	23,500	3,23,100	3,67,300
2) Bitumen	7	—	100	250	350
3) Aggregate	203	5,450	5,550	680	11,680
4) Soils	80	5,280	620	1,140	6,940
5) Mix design	9	—	9,000	—	9,000
	11,489	31,430	38,670	3,25,170	3,95,270

APPENDIX No. 2

Statement showing details of repairs to Roads carried out by Assistant Engineer, Asphalt Plant Departmentally.

Sr. No.	Mode of repairs.	Area in mts.	Amount Rs.
1)	Asphalt roads repaired with Binder Grit Coat Chief coat surface etc.	65,296	42,62,111.53
2)	Cold mix supplied to wards in M.T.	M.T. 5,645.40	24,04,607.39
			66,66,729.72

Statement showing the details of Asphalt Plant Production for the year 1988-89.

Main Plant (M. T.)	Pegosion Plant (M. T.)
7528.43	4261.95
Total : 11,790.38 M.Ton.	

: ADMINISTRATIVE REPORT :

Administrative Report of Executive Engineer (Traffic & Co-ordination) and Executive Engineer (Traffic Planning.) for the year 1988-89.

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 1989 is as under :—

I.	As on 31-3-1988	As on 31-3-1989	Increase
	27,958 Nos.	28,397 Nos.	439 Nos.

The details of the different types of street lamps are as under :—

Sr. No.	Description	T.F.	HPMV	Fluore-Scent	Sodium Vapour Lamp	Halo gen Lamp	Blended	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.
1.	Municipal	100	12010	471	189	103	190	13063
2.	All-in-Hire (B.E.S.T.)	—	12305	11	3011	7	—	15334
	Total :	100	24315	482	3200	110	190	28397

II. a) Total Nos. — T.D. Bollards as on 31-3-1989 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.

(Period from 31-3-88 to 31-3-89)

Description	Land in K. W.	K. W. H.
Municipal	24892-057	6550944
B.E.S.T. (All-in-Hire)	59341-507	18008072
Total :	84233-564	24559016

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 :—

- | | | |
|-----------------------------------|---|-----------------|
| 1. Erection of new street lamps | } | Rs. 6,25,002.35 |
| 2. Shifting of street lamps | | |
| 3. Improvement of street lighting | | |

V. The details of improvement carried out during the year 1988-89 are shown in appendix — II.

VI. During the year 1988-89 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.

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 26th 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. 16 Lakhs is incurred on this account and is adjusted from taxes due from the B. P. T. in respect of property by 'A' Ward.

: PART — II :

SUBURBS AND EXTENDED SUBURBS

The total number of street lights at the end of the year as on 31st March 1989 is 50900 as against the total of 47,676 number in the previous year.

The detail of different type of lamps as shown below :—

Sr. No.	Description	T. F.	HPMV	T.D. Bollard	Sodium Vapour Lamp	High mast	Total
1.	2.	3.	4.	5.	6.	7.	8.
1.	B. S. E. S.	4229	40620	283	1434	2	46,568
2.	M. S. E. B. Area.	520	3812	—	—	—	4,332
Total :							50,900

Temporary lighting arrangement was provided during Ganapati Festival at Danda Village, Khar, Versova Beached, Juhu Beach, M. G. Road Goregaon, Madh & Marve Sea Beaches, Dahisar River in W. S. and Wadia Tank, kurla (W), Trombay, Mahul Jetty and Charai Pond at Chembur, Ramabai colony near Eastern side culvert E. E. Highway Powai Lake, Shivaji Talav, Bhandup, Mithagar Road Pond in Mulund in Eastern Suburbs, 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 and 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 2098 vehicles were removed to Municipal Custoday out of which 1800 vehicles were retrieved by the parties on payment of towing and demurrage charges. The unclaimed vehicles which are lying in various Municipal 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 like benefits, Cost analysis, and also include speed delay, survey, signal timing plans, 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 within Greater Bombay.

✓ Road Markings such as strips, pedestrians crossings and road dividers and kerbs were painted on all important roads in the City and Suburbs.

Following is the table showing expenditure incurred on the traffic amenities in City, Western and Eastern Suburbs.

	City	W. S.	E. S.
1. Construction traffic islands channelisers, dividers etc.	18,98,792	18,71,706	18,52,405
2. Erection, supply of speed breaker boards etc.	2,28,830	1,68,221	78,471
3. Street name boards	14,90,650	92,95,566	4,07,173
Total :	36,18,272	23,55,493	23,38,049

The traffic department has also supplied traffic reflective comes to the Traffic Police at a cost of Rs. 42,000/- in order to help them to regulate traffic in a better and more efficient manner.

The name of roads on which regular lines were prescribed are shown in Appendix I & III.

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 in 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, instllation of time recorder punching machine, card racks designing and printing of tickets, parking charges tickets etc., are being provided by the traffic department.

Pay and Park Scheme has been implement at seven different locations comprising of above 500 parking bays in the central business district of Bombay. The scheme has yielded a monthly revenue about two lakhs. The scheme is proposed to be implement rigorously along kerb side lenes on selected stretches of streets through the use of sophisticated parking meters.

The department also envisages the introduction of the scheme of night parking charges on municipal streets. The schemes has been designed to discourage misuse of roads as garages for parking by Private and Commercial Vehicles. The department has conducted night parking in 'A' to 'B' wards and have identified several stretches of street which are being used for night parking. Night parking stickers of various denominations have been designed for granting permission for parking of vehicles on municipal roads during night hours. It is proposed to implement the scheme in a phased manner to ensure its successful implementation.

The impact of introduction of the night parking scheme in terms of public resistance can not be under estimated. However, with skillful and systimatic implementation in a phased manner giving due considerations to administrative, financial and legal issues, this office hopes to ensure the success of the 'Night and Parking Scheme'.

SIGNAL IMPROVEMENT PROGRAMME :

The maintenance of interlinked microprocessor based traffic signal system comprising of 82 intersections is undertaken by this office. Additional 6 (six) intersections are being included in this net work with microprocessor based poles technology.

Total No. of signals in operation through various companies in the year 1988-89 are as under :—

Number of I. T. I. Signals	117 Nos.
Number of Philips Signals	82 Nos.
Number of Meltron Ltd. Signals	15 Nos.
Number of Flashing Beach by I. T. I. Ltd.	65 Nos.
	279 Nos.

INTER UTILITY 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 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 — I :

The regular lines have been proposed and sanctioned on following Roads during the year 1-4-1988 to 31-3-1989 for City area.

Sr. No.	No. & Date	Name	width	Ward	Remarks
1.	3 of 25-4-88	Widening of 44'-0" R. L. Dattaram Lad Marg & Bhai Bal Mukund Marg Naka at Dr. Compound Chinchpokli.	44'-0"	E	Proposed
2.	4 of 9-5-88	Revised R. L. at Thukarwadi Road at Naigam Cross Rd.	22'-0"	F	-do-
3.	5 of 25-7-88	Widening of Gangabawdi Rd. near Dockyard Road and Gun Powder Road at Mazgaon.	22'-0" 20'-0"	E	Sanctioned.
4.	1 of 30-1-89	R. L. of Telang Road and Chandavarkar Road at Matunga.	50'-80"	F	-do.-
5.	2 of 30-1-89	R. L. of Sasmira Road at warli.	44'	G	-do-

APPENDIX — II :

Following is the details of improvement of street lighting carried out during the year 1988-89.

1. Girgaum Chowpatty
2. Sion Rd. Nos. 31A, 29, 30, 24
3. Sant Mary Rd.
4. Kalbadevi Rd.
5. Naigaum Area.
6. N. M. Joshi Marg
7. Sophia College Lane.
8. T. H. Kataria Marg
9. S. K. Bole Marg Dadar.
10. Sewree Koliwada.
11. S. K. Patil Udyan
12. Vardhaman chowk
13. G. D. Somani Marg
14. Maulana Azad Road
15. Kale Marg, Dadar.
16. Dockyard Road.
17. Wadala Str. Jn.
18. Gokhale Rd. Ranade Rd. Jn.
19. S. K. Mishri Rd. Antop Hill.
20. Babula Tank Rd.
21. Yusuf Meharali Road.

: APPENDIX — III :

The regular lines have been proposed and sanctioned of following roads during the year 1988-89 for Eastern and Western Suburbs.

Sr. No.	No. & Date	Name	Width	Ward	Remarks
1.	6/12-5-88	widening at St. Paul Road Bandra (W).	80'-0"	H	Sanctioned
2.	7/6-6-88	Widening at Carter Road, Bandra (West).	151'-0"	H	"
3.	7/23-6-88	Widening of Godawari Mhatre, connecting Road between Yashwantrao Tawde Marg and Tilak Road.	30'-0"	R	Proposed.
4.	9/31-10-88	Proposed line between Keshvar alias Bandu Gore Marg (Stn. Road) and Jawahar Nagar Road No. 1, Goregaon (W).	30'-0"	P	"
5.	10/8-12-1988	Widening of proposed connect- ing Road of L. B. S. Marg and Tank Road at Bhandup.	40'-0"	S	sanctioned.
6.	11/15-12-88	Widening of C.T.S. No. 1420 at Bandra (W) and Pali Hill Rd. near Nargis Datt Road.	40'-0"	H	"
7.	1/5-1-1989	Widening of the new road between Jawahar Nagar Road No. 1 and Station Road.	20'-0"	P	Proposed
8.	2/6-2-89	Widening of Jawahar Nagar Rd. No. 10 at Goregaon (W).	44'-0"	P	Sanctioned
9.	3/27-2-89	Widening of Old Kanheri Road near National Park, at Borivali (East).	60'-0"	R	Proposed.
10.	5/27-2-89	Widening of Juhu Road between Santacruz (W) and Vile Parle (W).	90'-0"	K/W	"
11.	4/27-2-89	Widening of the 9.15 mt. wide roads between Cross Road and Old Nagardas Road at Andheri (E).	30'-0"	K/E	"
12.	5(A)/27-2-89	Widening of Juhu Road between Santacruz (W) and Vile Parle (W).	90'-0"	K/W	"
13.	6/9-3-1989	Revised line of 40'-0" and 60'-0" Development plan chowk near Dalmia College at Malad (W).	40'-0" 90'-0"	P	"
14.	7/30-3-89	13.40 Mt. Proposed road between Rani Sati Marg at Malad (East) and Navatia Road.	40'-0"	P	"

ESTATES AND LAND MANAGEMENT DEPARTMENT.

Administration Report for the year 1988-89.

(1) Money spent.	Rs. 6,07,27,468.54
(2) Money earned—	
(i) Rent from tenants and lessees.	Rs. 3,68,76,770.21
(ii) Other.	Rs. 1,91,88,320.04

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.

3 Plots in Municipal Scheme have been disposed off in the year 1988-89 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.
1985—86	5	10,789.72	4,69,13,44.69
1986—87	5	9,276.03	1,55,94,94.90
1987—88	4	3,089.56	11,61,571.80

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.

Nil 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 :—

(3) The recoveries of rents of the dormitory at Palton Road amounted to Rs. 93,618.00 during the year.

DISPOSAL OF LANDS

(A) Long Leases

3 Plots were let out during the year. The total area of the land thus disposed off admeasures 3,089.56 square meters valued at Rs. 11,61,571.80. The total No. of plots disposed off upto the end of 1988-89 were 4445 with an area of 55,03,895.32 square meters and valued at Rs. 17,56,21,363.05 yielding an annual ground rent of Rs. 84,21,932.57. 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. 546 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.	Annual Rent.
			Rs.	Rs.
1985-86	5	10,789.72	46,91,344.69	80,75,329.00
Plots leased on Rental basis.				
1986-87	5	9,276.03	15,59,494.90	82,31,278.47
Corresponding figures :				
1987-88	4	3,089.56	11,61,571.80	84,21,932.52

The amount received by way of commutation of ground rent and premium etc., during the year was Rs. 5,56,872.00.

As can be seen in the Statement 'J' vide Item No. 8 that percentage of 73-84 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. 3,74,828.43 pertaining to 'B' Budget and of Rs. 71,02,638.42 pertaining to 'A' Budget shown in Statement 'D' can be classified as under :—

	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.		21,31,372.05
(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.		3,46,453.16
(5) Due from Western and Central Railways.		4,76,305.16
(6) Due from Municipal Department.		2,07,975.14

(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. 19,94,370.43 and Rs. 30,37,529.71 and the recovery was Rs. 7,25,762.99 and Rs. 30,38,263.11 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. 69,52,327.86 on 31st March 1989 as against Rs. 88,90,350.34.

The concessional rent includes the rents of rooms let out to the peons 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. 61,18,445.40 deducting therefrom the charges on account of outgoing amounting to Rs. 35,49,997.40 net less comes to Rs. 96,68,442.80.

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. 94,02,107.27.

(b) **Semi permanent sheds** :—The gross demand in respect of 72.25 rooms in the Semi Permanent Sheds including Labour Camps for the year was Rs. 25,55,415.48 The net demand after excluding the concessional rent and vacancies was Rs. 25,49,104.31 which was equivalent to 135.31 per cent. of the total recoverable rent including arrears of Rs. 18,83,894.83 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. 150,08,795.74 for chawl and Rs. 47,26,910.62 for semi-permanent sheds, total outgoing being 90.56 per cent. and 187.16 per cent 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 10 per cent of the cost of land and 5 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. 20,32,522.23 against the demand of Rs. 22,58,644.44 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 6743 tenements in the acquired and re-entered buildings was Rs. 35,49,468.00 After excluding the amount for concession in rent and vacancies the net demand for the year was Rs. 35,48,680.00

The revenue collected amount to Rs. 30,38,263.11 which was equal to 213.28 per cent of the total recoverable amount including arrears of Rs. 14,24,538.95 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 10 properties having 263 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. 1,92,565.52 and the recovery was Rs. 79,811.36 which was equal to 41.45 per cent of the total recoverable amount.

During the year under review, the demand and recovery of taxes aggregated to Rs. 3,57,943.80 Rs. 7,668.73 respectively. The arrears due for collection at the close of the year stood at Rs. 3,50,275.07

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 'A'

Statement showing the total area of developed land.

Change in	As at the beginning of 1988—89 (Sq. Mts. in thousand).	As at the end of 1988—89 (Sq. Mts. in thousands).
Developed land		
Area Permentaly leased	6441.60	6441.60
Area of Trust Chawls sides.	158.86	158.86
Area sold	7.53	7.53
Area reserved for a Municipal Market.	0.97	0.97
Total :	6608.96	6608.96
Rent of permanently leased area Rupees (in thousands).	13711.45	13711.45

APPENDIX 3A

Number of plots disposed of in the different Ex-Trust Estates during 1988—89.

Sr. No.	Particulars	Plot No.	Area in Sq. Mts.	Capital value in Rs.	Annual Rent in Rs.
(1)	Sandhurst Road (West)	20	88.13	4,44,724.00	44,472/-
	Service passage	93			
		94			
(2)	Sandhurst Road (West)	24	32.63	1,64,651.00	16,465/-
	Service passage				
Total		4	120.76	6,09,375.00	60,937.00

STATEMENT 'B'.

Statement of permissions granted in respect of lease plots for 1988—89.

Description.	No. of Proposals.	Premium in Rupees.	Ground rent in Rupees.
Motor Garages.	19	...	9,990.94
Additional floors	32	15,601.00	5,96,172.08
Change of user and misc. proposals such as encroachments canopies, temporary structures, Gallery projections loft, mezzanine floors etc.	38	3,663.82	2,82,898.33
Transfer Fees	—	—	13,000.00

STATEMENT 'C'.

Number of Plots disposed off in the different Municipal Lands in the City during 1988—1989.

Sr. No.	Particulars of land.	Plot No.	Area in Sq. Mts.	Capital Value in Rs.	Ground Rent per annum in Rs.
Ex—Trust					
(1)	Sandhurst Road (West)	20	88.13	4,44,724.00	44,472/-
	Service passage.	93			
		94			
(2)	Sandhurst Road (West)	24	32.63	1,64,651.00	16,465/-
	Services passage.				
Total		4	120.76	6,09,375.00	60,937.00
(1)	Municipal Village Versova	C. T. S.	2,968.80	5,52,196.80	1.00
	Survey No. 63 (Part)	No. 1035 (Pt)			
Total Municipal		1	2,968.80	5,52,196.80	1.00
Total Municipal and Ex-Trust		3	3,089.56	11,61,571.80	60,938.00

APPENDIX No. 3.

Statement showing the disposal of Ex-Trust Plots during 1988—1989.

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 1987-88 earlier but surrendered to the Municipal Corporation.	...	...	...	...
Corresponding figures for disposal of Plots.				
1987—88	4	7,766.16	12,97,149.76	1,29,716.10
1986—87.	5	9,276.03	15,594,94.90	1,55,949.48
1985—86	...	...	...	...

“J” Comparative Statement of demand, collection, etc. in respect of permanently leased plots.

Sr. No.	Particulars.	1986	1987	1988	1989
(1)	Number of Tenancies.	4433	4438	4442	4445
(2)	Balance of arrears in lakhs of rupees.	1,14,72	1,50,76	78,87	70,96
(3)	Demand for the year in lakhs of rupees.	88,71	1,02,11	1,05,64	1,32,13
(4)	Total demand including arrears in lakhs of rupees.	2,03,44	2,52,87	1,84,52	2,03,09
(5)	Amount collected in lakhs of rupees.	66,72	1,80,16	1,19,41	1,49,96
(6)	Percentage of collection to the demand including arrears.	32.80	40.38	57.25	65.06
(7)	Percentage of collection to the demand for the year.	75.21	59.62	42.74	34.94
(8)	Percentage of arrears to amount for collection.	204.92	71.24	64.71	73.84

"F" Statement of percentages of outgoings in respect of Chawls and S. P. Sheds.

Particulars.	Permanent Chawls.		Permanent ground floors rooms	
	1987-88	1988-89	1987-88	1988-89.
Sanitary Staff and Pumpmen.	0.97	32.78	25.30	81.05
Cost of Management & Establishment.	7.50	7.50	7.50	7.50
Municipal Rates and Taxes.	14.00	15.32	39.70	39.65
Repairs and Maintenance including lighting, vacancies.	37.58	34.96	41.72	58.96
Total	60.05	90.56	114.22	187.16

"D" Summary of Revenue of Properties for the year 1988-1989
(000 omitted).

(Rupees in Lacs)

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.	3.96	1,00.45	1,04.41	40.59	22.58	63.17	1,28.16	1,36.68	2,64.84
Arrears as on	3.74	1,35.20	1,38.94	37.89	35.93	73.82	56.88	1,37.55	1,94.43
Totals.	7.70	2,35.65	2,43.35	78.48	58.51	1,36.99	1,85.04	2,74.23	4,59.27
Amount collected.	7.71	2,26.09	2,33.80	36.49	20.32	56.81	1,42.24	1,27.90	2,70.14
Variation in Demand for the previous years.	+123	+455	+578	2.64	55	3.19	4.63	2.34	6.97
Carried out during the year.	—	-37	-37	-31	-25	-56	—	-5	-5
Amount written of.	—	—	—	—	—	—	—	—	—
Arrears as on 89.	—	1,35.20	1,35.20	37.89	35.93	73.82	70.96	1,37.95	2,08.91
Arrears as on 88.	185	1,21.45	1,23.30	33.45	33.66	67.11	77.02	1,26.48	2,03.50
Arrears as on 87.	328	1,07.70	1,10.98	30.09	32.21	62.30	1,47.48	1,13.47	2,60.95

BOMBAY FIRE BRIGADE

Administration Report for the year 1988-89.

Salient Features :

Expenditure	...	Rs.
Income	...	Rs.
Fire Stations	...	21

Emergency Calls :—

Fires	...	3226 calls
House Collapse	...	406 calls
Other Service	...	1463 calls
Rescue Service	...	478 calls
False Alarms	...	93 calls
Total	...	5666 calls

Ambulance Calls :—

Accidents	...	1181
Maternity	...	160
Free Fire Brigade cases	...	Nil
Free Poor cases	...	Nil
Fire	...	742
Total	...	2083

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 the amount of Rs.

The total expenditure including Revenue Expenditure and Debt. charges towards Capital Expenditure amount to Rs.

(2) Premises :

There are 21 fire stations in Greater Bombay.

(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 received.

(a) High Pressure Air Compressor for charging B. A. sets —1 set —received.

(b) Ashok Layland Comet ALCO Chassis—4 Nos. —received.

(5) Emergency Calls :

The Brigade responded and rendered services wherever necessary at a total of 5666 incidents, the break up of which is given below :—

Fires	...	3226
House Collapse Calls	...	406
Rescue Service Calls	...	478
Other Service Calls	...	1463
False Alarm Calls	...	93

(6) Casualties :

The number of casualties in fires and other incidents is given below :—

Type of Incident	Dead	Injured	Total
Fires	111	356	467
House Collapse Calls	36	119	155
Rescue Service Calls	133	146	279
Other Service Calls	188	246	434
	468	867	1335

(7) Casualties Among Brigade Personnel :

A total of 24 Brigade Personnel sustained injuries while rendering services at different emergencies and subsequently recovered.

(8) Fire Loss :

The property losses due to fire were estimated at Rs. 5,08,89,604/- Total property involved in fires and saved by Brigade was estimated at Rs. 57,37,42,318/-.

(9) Water Supplies and Sources :

The approximate quantity of water used for extinguishing fire was 62,97,517 ltrs., out of which 57,34,631 ltrs. 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 12,862.

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 by the Ambulance service are given below :—

Accident calls	...	1181
Hire calls	...	742
Maternity calls	...	160
Free Brigade staff cases	...	Nil
Free poor cases	...	Nil
Total	...	2083

(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
1987-88	7567	7127
1988-89	7298	6948

(11-A) Type of Fire Prevention cases received during the year 1988-89.

Total cases received	Total Cases disposed off	Type of Cases	Nos.
7298	6948	1) References from Licence, Factory and Health Department of the Corporation.	4959
		2) Places of public Entertainment & Bldg. N. O. C. Cases.	770
		3) References from the Commissioner of Police, Controller of Explosives, Controller of Drugs & other N.O.C. cases.	409
		4) Complaint cases.	831
		5) High rise Building N. O. C. Cases.	329

(12) Deputation of Officers :

(A) Station Officer, Shri A. R. Yadav and Shri A. B. Kamble were deputed to National Fire Service College, Nagpur, to attend Divisional Officers' Course.

(B) Station Officers, Shri C. I. Shaikh and Shri J. R. Tawde were deputed to N. F. S. C. Nagpur, to attend "Station Officer and Instructor's course".

(13) Other Activities :

(a) Inauguration of Suburban Fire Brigade Head Quarters at Marol in the hands of Municipal Commissioner on 1-11-88

(b) 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 Greater Bombay was the Chief Guest at the function of Annual Drill Competition. The winners of Annual Drill Competition were given prizes in the hands of Honourable guest Shri S. S. Tinaikar, Municipal Commissioner.

(i) Team of Vikhroli Fire Station led by Shri M. M. Desai Station Officer stood first in the Extension Ladder with Motor Pump Drill and was awarded Patamcoat Memorial Shield.

(ii) Team of Memonwada Fire Station led by Shri A. N. Shinde, Station Officer, won first prize in Trailor Pump Drill and was awarded with Municipal Commissioner Challenge Cup.

(iii) Team of Vikhroli Fire Station led by Station Officer, M. M. Desai was selected Best Team and was awarded with Shri V. G. Pawar Memorial Trophy.

(iv) Driver Operator Shri Maruti Shankar Lad of Memonwada Fire Station was awarded Chief Officer's Rotating Trophy for "Best Individual Performance".

(v) Driver Operator Laxman Dattaram Dalvi was awarded with cash Prize of Rs. 100/- being adjudged the "Best Fireman" for the year 1988-89.

(c) Annual Sports :

Due to agitation of subordinate staff Annual sports activities couldnot be conducted during the year.

(d) Observance of Fire Prevention Week :

Fire prevention week from 6th to 13th April, 1989 followed by Fire Service Day i.e., 14th April, 1989 were observed by the Brigade with the co-ordination 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 calender with fire prevention measures messages and visuals was published and distributed to the citizens free of cost. Discussion and talks were broad-casted through All India Radio by creating well awareness about fire hazards and to promote the knowledge of fire prevention among the Citizens of Greater Bombay.

This year on Fire Service Day on 14th April 1989 "Akhand Joyt" was erected in the memory of officers and men who lost their lives in the Dock's explosion in the year 1944. Municipal Commissioner Shri S. S. Tinaikar was the Chief Guest to this occassion.

(e) Republic Day and Maharashtra Day :

The Brigade participated in the ceremonial parades organised on Republic Day and Maharashtra Day alongwith Police, Home Guards and Civil Defence Department.

(14) Awards :

(i) Presidents Fire Service Medals for Distinguished Service :—

This year President's Fire Service Medals for Distinguished Service was declared to Shri N. A. Khatib C. F. O. This award will be presented to him on Independence Day 1989.

(ii) Fire Service Medal for Meritorious Service :—

This year Fire Service Medal for Meritorious Service was declared to Shri Harishchandra Vishnu Girkar, Driver Operator and Shri Sarafatulla Sakhavatulla for Meritorious Service.

(15) Fire fighting training to Outside candidates :

A team of three firemen, two Driver Operators and one Station Officer was deputed at Nagothane to impart the fire fighting and rescue operation training to the Staff of I. P. C. L.

Fire fighting demonstrations were arranged during the year for the benefit and well awareness of the School Children from number of Schools in Greater Bombay at Byculla as well as at Marol Head Quarters.

16. Welfare Activities :—

(a) Scholarship to the children of the staff members were distributed 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 were 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.

(17) 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) The work at Introduction of 8 hours duty system is still in progress.

(ii) Crediting of denied Casual Leave and Festival and Bank Holidays to the Earned Leave Account of the concerned employees.

(iii) 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 employees at the end of the year.

Major steps have been taken to recruit "trainee firemen" to introduce 8 hours duty system in the brigade.

18. Attendance of Confernces out side India.

(a) This year Shri D. J. Kulkarni C. F. O. & Shri M. G. Sirkhot, Dy. C. F. O. had attended 4th South-East Asian & Pacific Fire (SEAPAC—IV) safety confernce held at Singapore

(b) Shri G. D. Ganvir, Dy. C.F.O. and Shri G. N. Sawant, D. O. also attended International Conference Work Shop and Exhibition on Fire Safety Management at Kaulalampur, Malaysia.

APPENDIX—I

Statement showing the details of appliances and equipments during the year 1988-89.

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 "

Sr. No.	Type of Appliances	Quantity
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 Autrailer 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 Air Compressor	1 Unit
	(f) Test Bench for compressed Air Breathing Apparatus.	1 Unit
	(g) High Pressure Air Compressor	1 Unit
11	Air Compressor (Industrial Type on Trailer for opening pneumatic tools	1 "
12	Power Cutters (Self-propelled)	5 Nos.
13	a) Rescue Saw (Self-propelled)	3 Nos.
	b) Rescue 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	High Press Hose (RRL Type) in stock	
	(a) 2 3/4" dia.(70 mm)	2,700 Mtrs.
	(b) 1 1/2- dia.	
	(c) Delivery Hose (Nylon type) in stock-2 3/4- dia.	
20	Other Vehicles :	
	(a) Jeeps	
	(b) Mini Buses	3 Nos.
	(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.

21. New brand L. P. T. 1210 E Tata Make Chassis for fabrication of fire engines. 9 Nos.
22. New brand Commet Ashok Leyland chassis ALCO for fabricating water tankers. 4 Nos.

APPENDIX — VIII

Fire and losses for the period from 1983-84 to 1988-89.

Year	No. of fires	Estimated loss
1983-84	3409	3,83,63,560
1984-85	3117	3,65,84,752
1985-86	3269	4,39,50,763
1986-87	3067	1,96,84,415
1987-88	3402	3,22,04,005
1988-89	3226	5,08,89,604.

APPENDIX II

BOMBAY FIRE BRIGADE

Brief details of serious fires in City during the year 1988-89.

Serial No.	Date & Time	Place	Business	Extinguished by	Description of Damage	Estimated Loss
1.	2.	3.	4.	5.	6.	7.
1.	12-4-1988 0415 hrs.	Western Railway Repair Workshop, Lower Parel, N. M. Joshi Marg.	Transport	Firemen with one small line and one line of Railway Fire Service.	Electric wiring, cushions, furniture, bogie ceiling, paint of bogie, other electric installation, doors, windows, severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
2.	22-5-1988 04-09 hrs.	18/24, Nandlal Jani Marg, Liladhar Lakhamji Marg, Wadi Bunder, Bombay—400 009.	—	Firemen with six engine lines from eight motor pumps and by disconnecting electric supply.	(a) A steel frames G. I. Sheet roofs, doors, windows, wooden partitions. (b) Office records, files, papers, few numbers of air conditioning machines, steel cupboards, steel chairs, tables, computer machines, teleprinter, boards, P. B. X band, telephone lines, electric wiring, electric fitting, fans etc. severely damaged by fire, heat, smoke and water.	Rs 3,36,000
3.	4-6-1988 1235 hrs.	Dharavi (22 K. V.) Receiving Station, Dr. Ambedkar Labour Camps, Dharavi, Bombay—22.	Receive and distribute electricity.	Firemen with one dry chemical extinguisher and one motor pump.	Six switch gears, Bay machines, transformer oil, electric contacts electric cable, severely damaged by fire, heat smoke and water, and paint work of wall, ceiling and electric wire slightly damaged by fire, heat, smoke and water.	5,00,000
4.	26-8-1988 1310 hrs.	M/s. Western India Silk Industries, Gala No. 28, 1st floor, Madhu Industrial Estate, Lower Parel, Bombay.	Packing of cloth rolls.	Firemen by two engine lines and one motor pump.	Large quantity of synthetic cloth and gunny cloth, plastic bags and rolls, office record, papers and other packing materials, electric wiring etc. severely damaged by fire, heat, smoke and sand. Wooden loft, partly and paint work severely damaged by fire, heat, smoke and water.	To be assessed

1.	2.	3.	4.	5.	6.	7.
5.	20-9-1988	Shed of Block No. 73, The Mafatal Fine spinning & Weaving & Dyeing Mill, Unit No. 2, Rambhau Bhogle Marg, Bombay-10.	Textile Mill Spinning Weaving & Dyeing.	Firemen with three big lines of mills water hydrant,	<p>Premises : A. C. Sheet, steel framed roofed, window glass, pannel, and G. I. Sheets, steel framed compartment etc. of ground floored shed and bamboo frames tarpoline, temporary monsoon shed severely damaged by fire, heat, smoke and water.</p> <p>Contents : Some quantity of plastic bags, oily and dirty plastic, maize starch, broken paper cartoon, paper cones, Filament copes, shutters and waste paper, soft waste cotton and different types of hard waste cotton, electric wiring, picking sticks materials etc. severely damaged by fire, heat, smoke and water.</p>	To be assessed as per Insurance Surveyor.
6.	5-10-1988	West View Building, 87, Nathalal Parekh Marg, Colaba, Bombay-400 005.	Custom Office (Commercial office)	Firemen with the help of two small lines of four pumps.	Office records, office furnitures, electric installation, telephone instruments, typewriters, at about 20 computers, ceiling decorative make severely damaged by fire, heat, smoke and water.	2,65,000.00
7.	27-10-1988	Woodland Restaurant, Mital Chamber, Nariman Point, Br. Rajni Patel Marg.	Restaurant	Firemen with one first aid appliance, one small engine lines of M. P. 25.	About 60 liters of kerosene oil, wooden material, electrical installation, some quantity of tables, food grains, metal ducts, wall plaster, paint work severely damaged by fire, heat, smoke and water and L. P. G. installation, steam installation, four electric grinders partly damaged by fire, heat, smoke. Injury : 6 Lives lost : 1.	15,000.00
8.	6-11-1988	Bombay Dyeing Mfg. Co. Ltd., Textile Mill Unit, Pandurang Budhakar Marg, Worli, Bombay.	Textile Mill.	Mills employe by 15 soda extinguishers and firemen by two mill hydrant.	<p>A large quantity of loose cotton, electric wiring, spinning preparatory machines, meter ducting, other machinery, rubber goods, etc. severely damaged by fire, heat, smoke and water.</p> <p>A large quantity of cotton burnt and paint work and window glasses severely damaged by fire, heat, smoke and water.</p>	As per Insurance Surveyor's Report.
9.	18-11-1988	Indira Dock, Opp. Shed No. 17 M. W. MOS' STAR"	Shipping	Firemen with two lines of Bombay Fire Brigade B. P. T. and 5 lines of Ship hydrant (Totally 15 lines of water jets).	A large stock of jute bales, carpet rolls, machinery in wooden boxes, one imported car etc.	Rs. in lakhs.
10.	26-11-1988	38, Br. Nath Pai Marg, (Ray Road) Opp. Cotton Green Station Bridge, M./s Shree Ram Cotton pressing Factory, Bombay-33.	Cotton Pressing.	Firemen with 8 motor pumps.	A large stock of cotton hard waste, synthetic waste, cutting garments and pressing machinery, spare parts electric motors, electric installation and fixtures, office furnitures, office record, tables, files, cupboards, etc. severely damaged by fire, heats, smoke and water. Portion of A. C. Sheet, roof C. I. Sheet walls portions. steel frame work etc. severely damaged by fire, heat, smoke and water.	75,000.00

1	2	3	4	5	6	7
11.	5-12-1988 0355 hrs.	India United Mill No. 3 Tukaram Bhisaji Kadam Marg, Kala Chowky, Bombay-33.	Textile Mill.	Firemen with 7 lines of 9 Motor Pumps.	A timber framed roof with tiles, walls of the 2nd floor in blower rooms and carding departments, steel framed and timber framed ceiling of 1st and 2nd floor, wooden doors and windows, wooden staircase of the terrace, differnt kinds of machinery, ducting, piping, cotton waste, cotton bales, Empty gunny bags, plastic cones, wooden boxes, other wooden materials in blower room, carding and weaving departments, ground first and second floor had severely damaged by fire, heat, smoke and alongwith electric installation.	5,00,000
12.	16-12-88 0410 hrs.	Shah & Nahar, Worli Industrial Estate, E-Moses Road, Worli, Bombay-25.	Transport	Firemen with 2 first Aid Lines.	Entire truck including engines of the Truck No. AHT 1332 severely damaged by fire, heat, smoke and water and front show of the truck No. AHT 5520, AHT 5519 severely damaged by heat.	As per Insurance Surveyor's Report.
13.	22-12-88 0206 hrs.	Hutment Colony, Sadu T. L. Vaswani Marg, Near World Trade Centre, Cuffe Parade, Bombay.	Do.	Firemen with 8 lines of 7, pumps.	Large Number of hut with household articles, foodgrains garments, furniture, utensiles, 9 goats etc, goats etc. were severely damaged by fire, heat, smoke and water. Injury - 8	3,50,000/-
14.	1-1-89 1831 hrs.	189, Patte Bapuroo Marg Fores Road), Opp. New Roshan Talkies, Bombay-4.	Eating House.	Firemen with 2 lines of 4 pumps and cutting of current.	Entire false ceiling, wooden tables, electric wiring, fine edible oil, wall marble tiles, plastering work, paint work severely damaged by fire, heat, smoke and water.	1,15,000/-
15.	30-1-89 1444 hrs.	Naigaum-Spring Mill, G. D. Abmekar Marg, Naigaum, Bombay.	Textile Mill.	Firemen with cutting off current and 5 lines from mills hydrant.	The large stock of cotton, polyester, polinocis in the sorutcher machines No. 514, 12 & 13 in blower room, Vellow Room & platform and cotton fluff in he celler and filter room were severely damaged by fire, heat, smoke and water. The cotton bales near the machines were damaged by due to water used on fire.	As per Insurance Surveyor Report.
16.	7-2-89 1902 hrs.	Scientific Manufactur- ing Co., Gala No. 1, Mehta Bhavan, Dr. E. Moses Road, Worli, Bombay-18.	Scientific Apparatus Company.	Firemen with 2 small lines (1 1/2") of 4 pumps and by cutting off current.	(a) Cement plaster of gala, windows and doors. (b) Lathe machines 3 Nos. of graduation/pento graph machine, annaling ovens (2 Nos.), drilling machines, gas burners, griding machines (4 Nos.) lare quantity of finished and semifinished glass apparatus, wooden furniture and partition office records, electric installation, and wiring and other accessories are severely damaged by fire, heat, smoke and water.	2,10,000/-
17.	19-2-89 5.51 hrs.	Gemini Dyeing & Print- ing Mills Pvt. Ltd., Mathuradas Mill compound, Senapati Bapat Marg, Lower Parel, Bombay-13.	Dyeing & printing.	Firemen with 12 engine lines of 12 motor pumps.	Large stock of different kinds of fabrics, cotton synthetics, various type of machinery, large stock of cloth, batching trollies, large stock of finished and semi finished cloth, wooden trolly, electrical installation, colours, chemicals, differnt types of dyes, kerosene, timber/steel framed roof alongwith wooden mazzanine floor severely damaged by fire, heat, smoke and water. Injury - 7.	As per Insurance Surveyor Report
18.	23-2-89 0938 hrs.	"Priyadarshani" Powder Bunder Road, Darukhana, Bombay-10.	Ship Breaking.	Firemen with 1 big line using L. P. P. No. 1.	A small quantity of waste oil in oil tank, beneath the upper deck of the ship, electric cables, electric panel board and other materials, had severely damaged by fire, heat, smoke and water. Thereby 13 workers sustained serious burn injuries all over the body. Injury- 11. Lives lost - 2	10,000/-

1	2	3	4	5	6	7
19.	3-3-89 1215 hrs.	399/401, Narshi Natha Street, Bombay.	Godown/- coir/- nylone ropes storages.	Firemen with 7 lines of 8 motor pumps.	Large stock of coir ropes, chemicals, electric wiring, doors and windows, wooden lofts, timber framed roof, etc. of three godowns. Injury — 3	2,18,000.00
20.	11-3-89 0039 hrs.	Adhyaru Industrial Estate, Sun Mill Compound, Lower Parel, Bombay-13.	Ready-made garments manufacturer.	Firmen with 4 small lines from 4 motor pumps.	Electric wiring, electric fans, lights, large quantity of readymade garments, clothes bales, 3 sewing machines, wooden tables, electric irons, office records severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor Report.

BOMBAY FIRE BRIGADE

Brief details of serious fires in Suburbs during the year 1988-89.

Sr. No.	Date & Time	Place	Business	Extinguished by	Description of Damage	Estimated loss.
1	2	3	4	5	6	7
1.	4-4-88 0803 hrs.	Gulab Estate, 4th Lane, behind Kurla Bus Depot, L. B. S. Marg, Kurla (West), Bombay-70.	—	Firmen with 16 Motor Pumps.	Large stock of chemicals oil, timber, lession cloth, guny bag cotton waste, ground floored temporary structures, electric installation etc. severely damaged by fire, heat, smoke and smoke and water.	To be assessed by Insurance Surveyor.
2.	6-4-88 1046 hrs.	Vijay Synthetic Prints Pvt. Ltd., Kurla-Andheri Road, Saki Naka, Bombay-72.	Textile Mills.	Firmen with 8 lines of 4 motor pumps.	Large stock of synthetic yarn cone, office record, machinery, doors, windows, Plaster work of ceiling wall of the structures, etc. severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
3.	1-5-88 0319 hrs.	Ajanta Industries, Girdhar Villa, behind Sahyadri Apartment, Lokmanya Tilak Road, Borivli (West).	Manu- facturing of scented supari.	Firmen with 2 small lines of 2 motor pumps and by cutting off current.	Stock of nuts, various kinds of oils, packing materials, furniture, type-writers, electric wiring, wooden doors, windows, tiled roofs, G. I. Sheets, A. C. Sheet, A. C. Machine, electric installation etc. severely damaged by fire, heat, smoke and water. Injury — 1.	To be assessed by Insurance Surveyor.
4.	1-5-88 1140 hrs.	M/s. Modison Metal Refiners, Near Shah Industrial Estate, Deonar, Bombay-88.	Previous Metal Refinery.	Firmen with 2 engine lines of 4 motor pumps.	3 Rectifiers, 24 electro lysis cells, air compressors, bus bar, electric cable, exhaust fan, electric installation, stock of silver nitrate, P. V. C. Cables, doors, frames, wooden frames, steel door, plastic work, paint work severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
5.	15-6-88 0919 hrs.	Indian Oxygen Ltd., Ghatkoipar L. B. S. Marg, Bombay.	—	Employees and firmen with 20 small carban dioxide extinguishers and 4 big CO2 and 4 D. C. P. extinguishers.	A small quantity of ferric chloride, copper chloride, magnese dioxide, acetylene gas and few meters of pipes severely damaged by fire, heat, and smoke. The foundation and portion of plaster fallen, paint work scatched. Injury—1.	To be assessed by Insurance Surveyor.

1	2	3	4	5	6	7
6.	10-7-88 2006 hrs.	M/s. Shanti Plastic Industries, C/203, Ghatkopar Industrial Estate, L. B. S. Marg, Ghatkoipar (West) Bombay-86.	Mfg. of plastic goods.	Firemen with 5 Motor pumps.	Stock of Plastic raw materials, semi finished, finished goods, 2 number of extruder machine, grinding machine, its tools, office records, books of accounts, furnitures, wiring, complete A. C. Sheets roofing, steel framed loft, windows and door shutters etc. seerely damaged by fire, heat, smoke and water.	To be assessed y Insurance Surveyor.
7.	5-8-88 1940 hrs.	M/s. Coates of India Ltd., Chandivli Farn, Off. Sakivihar Road, Saki Naka, Bombay-72.	Mfg. of coating ink.	Firemen with 3 engine lines lines of 8 motor pumps.	Large number of drums containing solvent such as acetone, diacitone, alcohole, isophorone, door of godown, windows, paint work of the wall etc. severely damaged by fire, heat, smoke and water. Injury - 2	To be assessed by Insurance Surveyor.
8.	28-8-88 1653 hrs.	Sat-Guru Industrial Estate, Near Jaico Compound, Goregaon, East, Bombay-63.	Ready made garments.	Firemen with 2 small engine lines of 2 motor pumps.	Telex machine, stock of garments, fabrics, office records, files, type writers, furnitures, etc. portion of wooden, partititon, wall of office, window frames, electric wiring, small electric switch board; paint work of wall, etc. severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
9.	8-9-88 2240 hrs.	Hindustan Petroleum Lube Refinery, Mahul, Road, Trombay.	Mfg. of Petroleum.	Firemen with 16 water lines & 1 foam line of 17 motor pumps.	A tare stock of propane gas, filter feed verticles drums, few meters of pipes line, installation, valves, tin works, etc. severly damaged by fire, heat, smoke and water.	To be assessed by Insurance Suroveyor.
10.	12-9-88 2345 hrs.	S. V. Road, Sidhapura Industrial Estate, Gaiwadi Industrial Estate, Goregaon West, Bombay-62.	Plastics products.	Firemen with 16 engine lines of 14 motor pumps.	The entire building, large stock of plastic goods, plastic moldings, powder difference axillary commodities, different type of machinery, office record, furnitue, household goods and personal belongings, electric installation, doors, windows, and othe buildings elements severely damaged by fire, heat, smoke and water. Injury - 3 lives lost -1	To be assessed by Insurance Surveyor.
11.	15-09-88 1545 hrs.	Hexagon Exports Pvt. Ltd., Co., Tank Road, Bhandup (West), Bombay-78.	Ready-made garments.	Firemen with 2 engine lines of 5 motor pumps.	Large stock of readymade garments, cardboard, papers, electric installation, wooden tank, sewing machines, electric wiring, electric equipment, entire A. C. Sheets, roof, windows, rolling shutters etc. severly damaged by fire, heat, smoke & water.	To be assessed by Insurance Surveyor.
12.	7-10-88 0855 hrs.	Pandav Bunglow bldg., Tagore Nagar Opp. Apna Bazar, Vikhroli (East), Bombay-83.	Residence + Dispen-sary	Inmates with buckets and firemen by cutting off current.	Wearing apparels of women, electric wiring, household articles, refrigerator, paint, wall doors, telephone instruments, severely damaged by fire, heat, smoke and water. lives lost - 1	5,000.00
13.	11-10-88 1220 hrs.	Shivaji Kutir-Mandal, Near B. E. S. T. Depot, Kurla L. B. S. Marg, Bombay.	—	Firemen with 10 lines 12 motor pumps.	Wooden planks, wooden boxes, paper waste, cotton rage, cotton wasta, raw material of brooms, plastic and metal scrap, number of tin sheds, etc., severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.

1	2	3	4	5	6	7
14.	19-10-88 2147 hrs.	Gala No. 10, Luthra Industrial Estate, Andheri-Kurla Road, Safed Pool, Kurla (West) Bombay.	Engineering workshop and others.	Firemen with 4 jets from 4 pumps.	Small stock of monitors, Printers, Key boards, scanners lezer printers, digitizers, 68020 systems, customess systems, printed circuit board, diskettes tapes, computer spare parts, softmore, one motor cooler, fans, kitchen appliances, softmore, one kitchen appliances, typewriters, window, machine, telephones, inter-com, table fan, office furnitures, office files, records, calculator, computers, etc. severely damaged and small stock of non-ferrous scrap gunny bags, die sets, photo copy machines, office material etc. slightly damaged by fire, heat, smoke and water. Office cabin, wooden partition, walls, electric installation, electric wiring, wooden loft, roof, wooden door, windows, frames, plaster work of walls, portion of roof etc. severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
15.	30-10-88 0206 hrs.	Ghaswalla Estate, Opp. Amba Mata Temple Aarey Road, Off S. V. Road Goregaon (West) Bombay-62.	Timber Mart & other.	Firemen with 7 lines of 8 motor pumps and by cutting off current	Large stock of all kinds of timber, C. I. Sheet, A. C. Sheets, wooden doors, window frames, round bulbies, electric wiring, office furniture, plywood sheets, sun-mica sheets, electric installation, office records, grinding machine, walls, roofs, doors, window frames, wooden beams, steel frames etc. severely damaged by fire, heats, smoke and water. Injury : -One	To be assessed by Insurance Surveyor.
16.	4-11-88 1854 hrs.	Talsania Industrial estate, V. N. Purao Marg, Chunabhatti, Bombay-22.	Industrial Estate	Firemen with 3 engine lines of 4 motor pumps.	Plastic goods and packing materials, large quantity of shaving brushes, tooth brushes, testing meters, copper wiring, electric motors, insulating materials, machinery, A. C. sheet roof, partly G. I. sheds, and brick walls, electric installation and fixtures, severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
17.	8-11-88 1554 hrs.	M/s Army & Navy Press, 118 MIDC Street No. 18, Opp. Central Road, Andheri (East), Bombay-93.	Printing Press	Firemen with 3 No's of small engine lines of 4 motor pumps and by cutting off electric current.	Stock of printing ink, various types of solution of printing ink, office records, chemicals in small quantity, process screen, quality control testing equipment, typewriter, steel and wooden furnitures, office files, machinery, blower etc. severely damaged by fire, heat, smoke and water. electric instalation, fixture, windows, severly damaged and paint work of walls and ceiling severly damaged by fire, heat, smoke and water. Injury :-One Lives lost:-One	To be assessed by insurance surveyor.
18.	9-11-88 1003 hrs.	Sun-shine Traders, Savitribai Phule Nagar, Ghatkopar Link Road, Near BEST Depot., Pantanagar, Ghatkopar (E), Bombay-75.	Dealer of Crompton Bulbs and Tubes.	Neighbours with buckets and smothering	Large quantity of flourescent tubes, bulbs, packing material, cartons severly and wooden beams, C. I. sheets of roof slightly damaged by fire, heat, smoke and water.	To be assessed by Insurance surveyor.

1	2	3	4	5	6	7
19.	9-11-88 1200 hrs.	M/s. Bharat Petroleum Corporation Ltd., Mahul Road, Mahul Village.	—	Firemen and Fire Brigade Personnel of Bharat Petroleum with 27 foam lines, 18 water lines, of hydrants and fire extinguishers.	Large stock of light Naptha, slops, Benzene, toluene, petrol tar, seven oil tankers, one L. P. G. Tanker and Gantry, Four M. S. above ground, M. S. tanks (circular), G. I. sheets, plaster works severely damaged by fire, heat, smoke and water. Injury :-50 Lives lost :-32	To be assessed by insurance surveyor.
20.	9-11-88 1326 hrs.	Government Industrial Estate, M. G. Road, Charkop, Malad (West), Bombay-95.	—	Firemen with 3 lines of motor pumps.	Large stock of plastic raw material and finished goods, packing material, plastic machinery, office records, furniture, electrical installations etc. severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
21.	9-11-88 2142 hrs.	Harish Textile Engineers Pvt. Ltd. 19, Parsi Panchayat Road Andheri (East) Bombay-69.	Processing of Art Silk, Cotton Fabrics.	Firemen with 3 motor pumps.	Electric switch board, installation, stock of cloth, other raw material, Exhaust fans, wooden furniture, window frames, wooden door, records, severely damaged by fire, heat, smoke and water and Rotary Screen machine and other machinery slightly damaged by water.	To be insurance surveyor.
22.	10-11-88 0941 hrs.	E. S. Patanwala Compound, L. B. S. Marg, Ghatkopar (W), Bombay-86.	Mfg. of silk	Firemen with one line and by cutting off current.	Few power looms, electric installations and fixtures, motors, large quantity of yarn, cloth, wooden pattern, wooden and steel furniture, etc. severely damaged by platform, windows severely damaged and part work of ceiling and walls severely scorched by fire, heat, smoke and water.	To be assessed by insurance surveyor.
23.	10-11-88 1424 hrs.	Bhambarekar Nagar Zopad Patti, Opp. Govt. of Maharashtra Industrial Estate, Charkope, Malad (W), Bombay-95.	—	Firemen with 4 lines of 8 pumps.	Household articles, clothes, furniture, food grains, electric installation, 500 hutments, severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
24.	5-12-88 2300 hrs.	M/s Shree Krishna Woollen Mills Pvt. Ltd., L. B. S. Marg, Bhandup, Bombay-78.	Mfg. of Fabric yarn textile, raw material.	Firemen with 6 motor pumps plus 1 H. P. P.	Large stock of synthetic and woollen waste, rags, and fibre, gunny bales, pressed bales, various types of machinery on an area about 400' x 400' and a large portion of ground floored, brick walled, steel framed, A. C. sheet roofed structure severely damaged due to fire, heat, smoke and water, and collapsed.	To be assessed by insurance surveyor.
25.	6-12-88 1108 hrs.	Bhagat Singh Nagar No. 3, Near Goregaon Bus Depot., Relief Road, Goregaon (West), Bombay-104.	—	Firemen with 4 engine lines of 4 pumps,	House hold articles, utensils, wooden furniture, clothing, partly G. I. sheet walled, partly hesian cloth walled, partly bamboo matting hutments (150) severely damaged by fire, heat, smoke and water. Injury :-One	To be assessed by insurance surveyor.

1	2	3	4	5	6	7
26.	16-12-88 2150 hrs.	Bombay Talkies (Main building) Compound, Himanshu Rai Path, Near Malad Police Station, Somwar Bazar, Malad (West), Bombay-64.	Public Charitable Trust and others.	Firemen with 4 engine lines of 8 motor pumps.	Wooden and steel furniture, office files, record books, stationery, computer, electronic, typewriter, glass jars and bottles, refrigerator, large stock of yarn and gray cloth, machinery, telephones, chemicals metals, screens, films, dyes, air compressor, transformer, accessories of wall clock, and automobiles, A. C. Plastic granules, packing material, oven, exhaust fans, finished and semifinished goods, paints, etc. and stone brick walled, tiled roofed (ground and one upper floored) structure, windows, doors, wooden planks, window pans, grills, collapsible gate, steel coums, marble pillars, electric fitting and fixtures severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
27.	11-1-89 0421 hrs.	Nandkishore Industrial Eastate, Gala No. B/35 M/s Everest Traders, Mahakali Road Andheri (E), Bombay-93.		Firemen with 3 engine lines of 4 motor pumps and by cutting off electric current.	Large stock of various types of chemicals, reaction kettle containing chemicals, resins, machinery, office files, records, furniture, A. C. machine, some stock of waste electric chucks, electric testing instruments, electric wiring, electric installation, portion of loft, A. C. sheet roof, severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
					Injury : - Lives-Lost :—two	
28.	11-1-89 1902 hrs.	Gulabsha Estate, 3rd and 4th lane, Behind Kurla Bus Depot., L. B. S. Marg, Kurla (W), Bombay-70.		Firemen with 12 motor pumps plus 2 H. P.	Large stock of metal and other scrap including waste paper, gunny bags, fire wood, timber, brooms etc. in number of ground floored, C. I. sheds, severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
					Injury :—One	
29.	27-1-89 0123 hrs.	Plot No. 1, Shah Industrial Estate, Veera Desai Road, Andheri (W), Bombay-58.		Firemen with 3 lines of 4 motor pumps.	Stock of fabrics, stock of cloth, office records, steel furniture, stock of yarn, machinery, A. C. unit finished goods, semifinished goods, looms, A. C. sheet roof, doors, windows frames, electric cables, installation and fixture, electric switch board etc. severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
30.	3-2-89 1252 hrs.	7/8 Ark Industrial Estate, Estate, Makwana Road, Marol Naka, Bombay-59.	Mfg. of Corro-gated Boxes.	Firemen with 4 lines of 4 motor pumps.	stock of finished and semifinished goods of cardboard, stock of adhesive stitching wire A. C. machine, machinery, wooden and steel furniture, fans, records, stock of papers reels, office records, wooden doors, shutters, lofts, electrical installation and fixtures, window frames, wooden cabins, ceiling portion, partitions severely damaged due to fire, heat, smoke and water.	To be assessed by insurance surveyor.
31.	8-2-89 1528 hrs.	Saicham Industries 9 M, Laxmi Industrial Estate, New Link Road, Andheri (W), Bombay-58.	Mfg. of textile auxiliaries.	Firemen with 4 lines of 4 motor pumps,	Textile finished goods, stock of raw materials such as Acrylamide, parafin wax, Acetic Acides, kerosene pressure stove, formaldehyde & A. C. sheets roofing, wooden loft, steel shutter, office cabin, electric installation severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
					Injury : Two.	

1	2	3	4	5	6	7
32.	9-2-89 1020 hrs.	Terminal Building No. 2, Sahar International Airport Sahar, Andheri (E), Bombay-99.	Jewellery shops & other	Firemen with 10 jets from 12 motor pumps and firemen of Airport Fire Stn. with 6 jets from 3 pumps.	The fire involved number of duty-free shops, selling travellers requisite, handicraft of various types, ready-made garments, imitation & various precious jewellery, liquors, cigarettes, electronic & electric goods, watches, clocks, interior decoration, furniture, electronic installation and fixtures, wooden partition, P. A. and smoke detection systems and other electric systems, electric cables, large numbers of buckets chairs, flight indicators, boards, conveyor belts, X-ray machines, A. C. Ducts and false ceiling, doors, windows, plasters, and wall paint work severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
33.	12-2-89 0330 hrs.	Railway Shopping Centre, J. P. Road, Ghatkopar (West), Bombay.	...	Firemen with 3 small lines of appliances.	Large stock of plastic and rexine, chappals, Agra shoes, wooden furniture, electric installation, large quantity of glasses, cups and saucers, radio, ceiling fans, packing grass, different type of crockery, stock of cigarettes, tobacco, tea powder, wooden doors, betel nuts, household articles, mattresses, bedsheets, few wooden beams, A. C. sheet roofing, loft, wooden planks, few wooden poles, bamboo matting, plastic sheet roof, A. C. sheet wall severely damaged by fire, heat, smoke, and water.	To be assessed by insurance surveyor.
34.	13-2-89 1425 hrs.	Manjit Metal Industries, Gala No. 28, 1st floor, Sainath Industrial Estate No. 2, Kotkar path off Aarey Road, Goregaon (E), Bombay-63.	Mfg. of Ball Pen.	Firemen with 2 lines of 3 motor pumps and B. S. E. S. Staff by cutting of current before arrival of Brigade.	Large stock of pens, refills, few tins containing ink, filling machines and other machineries, stock of nozzle brass and plastic pipes, packing material, office records, office furniture, electric installation, wooden loft, A. C. machine, rolling shutter, wooden window frames, wooden doors and paint work severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
35.	14-3-89 2340 hrs.	Unit No. 16 & 18, Vaibhav Industrial Estate, Sion, Trombay Road, Near Telecom Factory, Deonar, Bombay-88.	Mfg. of garments and others.	Firemen with 5 engine lines of 6 motor pumps.	Large stock of paints, thinner, spray painting equipment, engineering equipments, fabrics, readymade garments, sewing machines, packing material, severely damaged by fire, heat, smoke and water. Paint work, plaster work, doors, windows, parts of the A. C. sheet roof damaged due to fire, heat, smoke and water.	To be assessed by insurance surveyor.
36.	30-3-89 1440 hrs.	M/s Aika Dyeing & printing compound, 5, Muranjan Wadi, Behind pipe line off Saki-Vihar Road Saki Naka, Bombay-72.	Chemical godown and others.	Firemen with 5 engine lines of 8 motor pumps including one foam line	Large stock of ethyl acetate, butyl acetate and other inflammable solvents stored in drums in one of the galas outside the Industrial estate building, electric installations, office furniture, office files, records, A. C. machines, T. V. Sets, office cabin, wooden loft, paint work and plaster work, doors, windows etc. including a small hut, outside the industrial estate buildings severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
					Injury : In all six persons sustained burn injuries of various degrees. Out of the six, four persons sustained burn injuries while fighting the fire and the other two while the watching the fire being dealt with.	

1	2	3	4	5	6	7
37.	30-3-89 1750 hrs.	Gala Industrial Estate, Dindayal Upadhyay Marg, (Dumping road), Mulund (West), Bombay-80.	Nylon Synthetic fabrics and others.	Firemen with 8 lines of 3 motor pumps and 2 L. P. P.	Large stock of finished and unfinished plastic goods, plastic molding machinery, other machinery, large stock of packing material, hardware, furniture, records, files, paintwork, plaster work, doors, windows, rolling shutters, lofts, electrical wiring, and installation, A. C. sheet roof severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.

Note :- Following two outside City limit, fire calls are also attended on following dates.

- (1) 5-12-88 Brigade call at Wagle Industrial Estate, Thane
2132 hrs.
- (2) 23-3-89 At Chhavaniwala Stable, Near Raju Industrial Estate, Penkerpada, Off W. Highway,
1552 hrs. Mira Village, Dist. Thana.

Brief details of serious house collapse in city during the year 1988-89

Appendix—III

Sr. No.	Date & Hrs.	Place	Death	Injury	Description
1	2	3	4	5	6
1.	17-5-88 1227 hrs.	Bldg. No. 581, Bhoiwada Village, G. D. Ambekar Marg, Parel, Bombay-12.	1	3	On arrival it was noticed that, the ceiling of room No. 2 and room No. 4 had collapsed completely of a ground and upper one floored building which was under repair. Three Municipal repair workers reported injured.
2.	24-5-88 1620 hrs.	23/25, V. P. Road Gurukripa Bldg., Opp. Lad Wadi, C. P. Tank, Bombay-4.	...	3	On arrival at the scene of the incident it was noticed that, the entire flooring portion of 1st and 2nd floors of the rear side using of the bldg. was collapsed down on ground floor as repair work was being carried out. As a result one male labour was trapped in the debris on the ground floor and other two female labours sustained injuries.
3.	11-6-88 1319 hrs.	Bombay Mutual Bldg., Rustam Sidhwa Marg, Fort, Bombay.	...	3	A R. C. C. Sign Board decorated with tiles length about 15 mtrs. and width about 1 meter of a ground floor of a 5 floor commercial bldg. was collapsed. Total 3 pedestrians were reported in injured.
4.	27-6-88 2314 hrs.	Building No. 54, Mechanical Chawl, K mathipura 9th Lane, Bombay-8.	...	3	On arrival at the scene of incident it was brought to notice by members of public that ceiling portion of Room No. 12 on ground floor had collapsed injuring 3 persons who were rescued by public members and sent to J. J. Hospital by police wireless, Nagpada, No. 1.
5.	3-7-88 0845 hrs.	6, Malhar Wadi, Dadiseth Agyari Lane, Kalbadevi, Bombay-2.	...	4	On arrival at the scene of incident it was noticed that the flooring portion of kitchen and bed rooms of an area about 40' x 12' from ground to top of the upper 3 floors at the eastern side of the bldg. collapsed and as a result 4 tenants sustained minor injuries.
6.	11-7-88 1703 hrs.	208, Sant Tukaram Marg, Itola Street Junction, Sadanand Hotel Bombay.	1	1	On arrival of the scene of incident it was noticed that the roof of the ground floor, brick walled, timber framed, A. C. sheet structure completely collapsed injuring two persons of which a boy aged about 12 years died on the spot and other elderly person got minor injury, was removed to hospital by public members before arrival of brigade.
7.	31-7-88 1639 hrs.	Telecom Buildig, Mahatma Ghandi Road Hutatma Chowk, Bombay-23.	1	5	First arriving officer was reported by member of telephone employees that, a huge metal A. C. sheet collapsed on 2nd floor of 8 floored bldg. causing injuries to six workers. One worker was trapped underneath metal sheet and was removed by firemen and sent to St. George Hospital in brigade ambulance.
8.	7-8-88 1003 hrs.	38/40, Mahasthan Bhavan, Veer Vithaldas Chandan Street, Bombay-3.	...	3	The portion of the flooring of common passage on 1st floor of a 4 floored residential-cum-commercial bldg., had given away, thereby injuring 3 persons and stranding number of persons on the upper floor.
9.	22-8-88 1516 hrs.	Bldg. No. 13, Katewala Bldg., 3rd Folkland Cross Road, Khetwadi, Bombay.	1	3	On arrival at the scene of incident it was noticed that, the attic floor and the part of the roof of the building having ground and 3 upper floor and attick floor, which was under repair had collapsed, thereby burying two persons under neath the debris and injuring other two persons who were stranded on the 3rd floor. He immediatly started rescue operations.
10.	27-8-88 2239 hrs.	22/24, Kanu Bhavan, Chewool Wadi, Dr. M. B. Yelkar Shreet, Kalbadevi, Bombay-2.	2	1	On arrival at the scene, it was seen & reported that, the portion of W. C. of a five floored residential building on west side had collapsed on first floor level thereby injuring three persons and stranding 15 persons on upper floor at various levels. The two injured persons were removed to G. T. hospital by members of public in pvt. car before arrival of the fire brigade. He immediately engaged his crew members for rescue operation of the stranded persons of the uper floors. One injured person was removed to G. T. hospital in brigade ambulance.
11.	16-10-88 2220 hrs.	Indira Nagar Hutment, Hemant Manjrekar Marg, Raoli Camp, Bombay-3.	...	4	On arrival it was noticed that four huts of timber framed, A. C. sheet roofed on an area abut 30 mts. x 20 mts. had collapsed, thereby trapping 4 hutment dwellers underneath the debris. The trapped persons were rescued by members of brigade. First aid was rendered to casulties & removed to L. T. M. G. Hospital in brigade ambulance.

1	2	3	4	5	6
12.	15-11-88 2354 hrs.	Sonapur, Near Taj Cinema Moulana Shoukat Ali Road, Bombay-4.	1 child	1	The first arriving officer observed that one pimpal tree uprooted & rested on a ground floored, brick walled, timber framed structure. Due to the same roof of the room No. 1 was pushed down thereby injuring one female child & a man (room dwellers). The injured persons removed to Sir. J. J. hospital in private vehicle before arrival of a brigade.
13.	6-12-88 18.18 hrs.	C-2, Lungiwalla Chawl, Veer Savarkar Marg, Mahim, Bombay-16.	...	3	On arrival at the incident it was noticed that portion of west side wall of the two floored bldg. collapsed on 1st floor injuring 3 persons. All the three injured persons were removed to Bhabha Hospital in pvt. car before arrival of the brigade. Entire affected two floors vacated and area was cordoned off.
14.	28-2-89 1539 hrs.	12, Dhanesh Mansion. Labranam Road, Gamdevi, Mumbai-7.	1	6	The first arriving officer observed that, the entire flooring portion of one room each of 2nd floor and 3rd floor of 4 floored bldg. had collapsed on a living room on 1st floor with a result, 4 persons were reported buried underneath the debris and other three persons were reported injured. The said bldg. was under repair. He immediately depoyed his crew members for rescuing the trapped persons.

Brief Details of house collapse in suburbs during the years 1988-89

Sr. No.	Date & Time	Place	'Death'	'Injury'	Description
1	2	3	4	5	6
1.	28-4-88 1213 hrs.	Mata Mariamma Temple, E Sector, Chitta Camp, Deonar, Bombay.	...	6	First arriving officer observed that some portion of A. C. sheets roof of a ground floored temple had collapsed causing injuries to six persons who were removed to pvt. hospital (Joy hospital) by members of public before arrival of the brigade.
2.	17-5-88 0358 hrs.	Hansraj Murarji Wadi, Derasar Lane, M. G. Road, Ghatkopar (E), Bombay-77.	...	4	First arriving officer was informed by members of public that flooring portion of 2nd floor had collapsed on to 1st floor of a two floored bldg. Four occupants sustained injuries and were removed to Rajawadi Hospital in Pvt. car before arrival of the brigade.
3.	18-6-88 0200 hrs.	Mount Mary Road, Jafar Shah Colony, Bandra (W), Bombay-50.	3	1	First arriving officer observed that a portion of hill slid over to a hutment, burying there under four persons. He immediately initiated rescue operations and simultaneously transmitted a message to the brigade control room requesting for five crews. In all four persons were extricated from the debris and sent to Bhabha hospital in ambulance No. 7 & 4.
4.	06-7-88 0812 hrs.	Gavdevi Tekadi, Gavdevi Road, Bhandup (W), Bombay-78.	3	...	First arriving officer observed that the loose portion of the hill of about 15 meters x 5 meters. area slid on adjoining stucture, as a result, one room completely and other two rooms partly buried under the heavy debris. Three persons rescued from debris and removed to Mulund General Hospital by Brigade Ambulance No. 7 & 8.
5.	23-7-88 0536 hrs.	Ekta Samaj Seva Mandal, Zopadpatti, Hill No. 4, Azad Nagar, Ghatkopar (West), Bombay-78.	8	3	The first arriving officer observed that a portion of hillock slid down thereby burying two hutments completely and partially damaged hutments were removed by public members to Rajawadi Hospital in private vehicle. All the eight persons were rescued by brigade personnel from under the debris and removed to Rajawadi Hospital.
6.	29-9-88 0036 hrs.	Utkrsha Nagar, Water field Road, Bhandup (W), Bombay-78.	2	6	First arriving officer noticed that portion of wall about 50 feet length on road side, collapsed on six hutment causing injury to 8 persons. Five injured perons were removed to Mulund General Hospital and three persons buried under debris rescued by firemen and removed to Mulund General Hospital in brigade Ambulance.
7.	03-10-88 0345 hrs.	Deonar Village Road, Deonar Village, Rahivashi Sangh, Opp. Kumud High School, Deonar, Bombay.	5	2	First arriving officer observed that a part of compound wall had collapsed on adjoining hutments thereby trapping 7 persons under the debris. All trapped persons were rescued by members of public before arrival of the brigade. Out of the 7 injured persons 3 were removed to Rajawadi Hospital in brigade ambulance and remaining 4 by members of public in pvt. vehicle.

1	2	3	4	5	6
8.	03-10-88 0412 hrs.	Ganeshwadi, Behind Deonar Bus Depot., Govandi Station Road.	4	2	First arriving officer observed that, a compound wall about 10' in height X 60' in length collapsed on the adjoining hutments thereby trapping 6 persons under the debris. Out of which two were rescued by members of public and removed to Rajawadi Hospital in police wireless van before the arrival of the brigade. The 4 trapped persons were rescued by firemen and removed to Rajawadi hospital in brigade ambulance.
9.	26-1-89 1608 hrs.	B. E. S. T. Depot., Behind Everard Nagar, Sion-Trombay Road, Bombay.	2	5	First arriving officer noticed R. C. C. slab of top floor of a ground and one upper floored building had collapsed while demolition was in progress. As a result 3 persons were trapped under the debris on 1st floor and other 4 persons sustained injuries. Out of 4 injured persons 4 were removed to Sion hospital by B. E. S. T. jeep before arrival of the brigade and one refused to go to hospital. 3 persons (workers) who were trapped under the R. C. C. slab were rescued by firemen with the help of mini lifting bags, crowbars and removed to Sion hospital in brigade ambulance and S. A. I. Out of the 3, two were declared dead by the hospital authority and one was admitted in emergency ward due to his serious condition.
10.	17-2-89 1515 hrs.	Opp. Labour Camp. P. L. Lokhande Road, Chembur, Bombay-89.	3	3	First arriving officer learnt that a compound wall brick masonry work of about 80' in length and 5' in height had collapsed thereby trapping six workers working on construction site of the gutter nearby, under the debris. Three persons were rescued by members of public before arrival of the brigade and remaining three persons were rescued by firemen and removed to Rajawadi hospital in brigade ambulance No. 3 and police van. All three persons were declared dead by hospital authority before admission.

Brief Details of serious special service calls in City during the year 1988-89

Appendix—IV

Rescue service calls :—

Sr. No.	Date & Time	Place	Death	Injury	Description
1	2	3	4	5	6
1.	10-4-88 0604 hrs.	Marwadi Wadi, Juna Bungalow, G. D. Ambekar Marg, Bombay.	3	...	On reaching the scene of incident it was reported by members of public that a woman aged about 26 years along with two kids had jumped in a well in the morning hrs. The woman and kids were searched with role hook anchor and hauled up by firemen who had descended inside the well and after rendering first aid were removed to K. E. M. Hospital where all the three declared as dead.
2.	19-4-88 1604 hrs.	Opp. Hyderabad Estate, L. D. Ruparel Marg, Napien Sea Road Junction, Malbar Hill, Bombay-6.	1	3	First arriving officer observed that, a private motor lorry No. MRL 1647 fully loaded with food grain bags had overturned on the road causing injuries to four labourers of the lorry. It was also noticed that the lorry damaged the compound and spiral staircase of the adjoining building. Two out of the four injured persons were removed to Nair hospital by members of public in pvt. vehicle before arrival of the brigade.
3.	9-6-88 0547 hrs.	Dr. Babasaheb Ambedkar Road, Parel-Dadar Flyover bridge, Bombay.	...	7	The first arriving officer was informed about head on collision of two trucks bearing registration Nos. MRL 1825 and MXL 7482 thereby causing injuries to seven persons. All the seven persons were removed to K. E. M. Hospital in pvt. car before arrival of the brigade.
4.	22-5-88 2341 hrs.	Mahim Kapad Bazar, Opp. Khoja Tomatkhana, Mahim, Bombay.	2	4	First arriving officer noticed that, an Ommi Bus bearing registration No. MRL 4680 speeding along north to south dashed against 3 hutments. As a result, two persons were crushed to death, two persons trapped under the debris who were rescued by members of public and were removed to hospital before arrival of the brigade. Two other injured persons were rendered first-aid and removed to hospital by firemen.

1	2	3	4	5	6
5.	4-7-88 2225 hrs.	Down Main line track in between Byculla, & Chinchpokli, Railway Station, Off N. M. Joshi Marg, Near Bakari Adda, Mumbai-11.	2	135	"Siddheshwar" 323 down express rammed from behind into stationary "Minar" Express No. 101 down on the down mainline track between Byculla and Chinchpokli Station thereby 3 bogies telescoped into each other, and derailed, with two of them having gone-over before one coupling over the side, causing injuries to numbers of passengers and trapping several others. The trapped persons in the A. C. compartment of the Minar express as well as in the other bogies of Siddheshwar Express rescued by firemen using various rescue tools and gears. The injured persons were rushed to nearby various hospitals by brigade and other ambulances and other vehicles.
6.	13-9-88 2118 hrs.	Ferry Wharf (Bhaucha Dhakka) Bombay-9.	3	...	The first arriving officer was informed that three persons were trapped in the Barge No. DM 094- "Interlighter" which was anchored in the mid-stream (about 200 to 300 meters, off the shore). It was also learnt that they had gone inside the trunkway provided at forepeak of the barge for cleaning purpose.
7.	29-10-88 0622 hrs.	Dadoji Konddeo Road, Dr. Babasaheb Ambedkar Road, Near Nagina Hotel, Byculla, Bombay-27.	...	3	The first arriving officer observed that a four wheel tempo bearing No. MMK 449 loaded with Veg. bags speeding towards south severely dashed against the rear side of a B. E. S. T. double decker motor bus bearing No. MRL 5966 which was also speeding towards south as a result three persons sustained injury. Out of them one was found trapped in the tempo driver's cabin. The trapped person was rescued by firemen by means of an iron crowbar. First aid was rendered by firemen and the injured persons were removed to K. E. M. hospital in pvt. vehicle by members of public before arrival of the brigade.
8.	19-11-88 1322 hrs.	Famous Cine Laboratories, and Studios Ltd., 20, Dr. E. Moses Road, Worli, Bombay-11.	2	2	First arriving officer observed that the four persons who overcame with the poisonous gas were lying in the underground tank of a four floored R. C. C. structure. It was learnt that, one employee of pvt. contractor had gone down to remove mud as well as silver nitrate mixture water where first one overcame with the poisonous gas and became unconscious. Other three employees had one down one after another to remove first person who had gone down into the underground tank also overcame with the poisonous gas and became unconscious. He immediately started rescue operation with the help of firemen by opening adjoining manhole and by allowing fresh air through exhaust blower and entered with B. A. sets and rescued all four employees by means of ropes. Firstaid rendered and removed to Nair Hospital in brigade ambulance.
9.	22-3-89 1305 hrs.	Veer Savarkar Road, King Tower, Opp. Kirti College, Worli.	6	10	On arrival at the scene of incident, it was informed that, a group of more than 40 youngsters from Worli Koliwada and surrounding areas adventured in to the scene to celebrate holy festival. However, the boat "Jailaxmi" in which they sailed had overturned about 100 ft. from the shore line when the group had indulged in dancing on board around 12.30 hrs. Members of public on hearing screams rushed to the sea and rescued five persons. It was also learnt that 22 persons swam safely to shore and other reported to be missing. The fishermen, pvt. boat holders and public in general were informed to spread their nets where the boat was capized. Four persons rescued by firemen from the sea. First aid rendered and removed them to KEM Hospital by brigade ambulance.

Other Service :-

1.	24-7-88 0619 hrs.	Indira Nagar Hutments, Sardar Nagar No. 3, Sion Koliwada, Mumbai-22.	...	5	First arriving officer observed that the portion of a hillock had collapsed on a hutment situated at the base of the accident, five persons who were staying in the hutment sustained injuries. They were removed to Sion hospital by members of public in pvt. car before arrival of the brigade. The two boulders which had fallen on the hutment were removed to a safe place. Electric current was cut off from all the hutments. The resident of other 15 hutments situated below the hillock where vacated as a precautionary measure.
2.	1-9-88 15-22 hrs.	Tardeo Municipal Secondary School Bldg. Bune Compound, Aurther Road Tardeo, Bombay-34.	...	17	First arriving officer noticed that 17 school children were overcome by foul smell causing vomiting sensation. Affected children were removed to hospital in bridge ambulance. Accumulated garbage in the locality was flushed with water.

1	2	3	4	5	6
3.	3-10-88 0414 hrs.	Maharshi Karve Road, Near S. K. Patil Udhyan, Bombay.	...	3	First arriving officer observed that a motor lorry bearing registration No. MRR-9822 proceeding from North to South dashed against another motor lorry bearing registration No. MMK 16 which was parked along the road side. Subsequently motor lorry MMK 16 rolled over and dashed against electric lamp post OR/41. Three persons were reported injured in the accident. They were removed to St. George Hospital in taxi before arrival of the brigade.
4.	6-11-88 0036 hrs.	Dr. Babasaheb Ambedkar Road, Near Matunga Fly-over Bridge, Matunga, Bombay-19.	...	4	The first arriving officer observed that B. E. S. T. double decker bus route No. 66 bearing registration No. MRL 5458 proceeding from Sion to South Bombay had dashed against the fuel tank of a motor tanker (empty) bearing registration No. CFF 9362 which was proceeding from Sewri to North Bombay with a result two passengers, driver of B. E. S. T. Bus and driver of motor tanker sustained injuries. The injured persons were removed to Sion hospital in pvt. car before arrival of the brigade.
5.	7-11-88 2241 hrs.	Capt. Prakash Pethe Marg, Cuffe Parade, Bombay.	1	5	The first arriving officer observed that, a motor bus of Navy bearing No. MAR 9063 which was speeding from North to South to Capt. Prakash Pethe Marg, severely dashed against the road obstruction which was temporarily made for road repairs, thereby crushing one person who was slapt on foot-path and injuries to other five persons. 5 injured persons were removed to St. George Hospital in police mobile van after rendering first-aid by firemen. Crushed dead body was handed over to police.
6.	20-1-89 0224 hrs.	Mahim Causway, Mahim, Bombay.	...	6	First arriving noticed that a pvt. car bearing No. PCS 8217 was proceeding alongwith Mahim Causway Road, dashed against electric lamp post No. BCY 19. Thereby causing injury to six persons of the car who were removed to KEM hospital in pvt. car by members of public before arrival of the brigade. The spillage on the road was covered with sand and car also brought to the right position.
7.	2-2-89 0330 hrs.	Sayani Road, and Gokhale Road Junction, Worli, Bombay-25.	1	3	First arriving officer observed that, a motor lorry bearing No. MWT 3041 and a motor tanker No. MMK 3876 met with an accident on the road. Due to the accident, the motor tanker bearing No. MMK 3876 got diverted and climbed on the spot and by injuring other four persons. All five injured persons were removed to KEM Hospital.

Brief details of serious special service calls in Sububs during the year 1988-89.

Rescue Service :-

Sr. No.	Date & Time	Place	Death	Injury	Description
1	2	3	4	5	6
1.	23-4-88 0515 hrs.	Dilkhush Compound, Plot No. 244, Maharashtra Timber Trading Co., S. V. Road, Dahisar (E).	4	2	The first arriving officer was informed that a pvt. motor truck bearing registration No. MMV 3118 speeding from South to North dashed against the shops, thereby causing injuries to six persons. Out of 6 injured persons, two were removed to Namita Hospital and one was removed to Bhagwati Hospital in pvt. car by the member of public before arrival of brigade. Two were removed by brigade ambulance No. 12 and one was removed by Bhagwati Hospital ambulance in Bhagwati Hospital. Search was made by firemen under neath the truck and nobody was found. Four of the casualties were declared dead before admission.
2.	20-6-88 0536 hrs.	Chembur Naka Junction, V. N. Purav Marg, Chember, Bombay-400 071.	...	18	The first arriving officer was informed that a head on collision of three motor lorries and a pvt. taxi took place and one of the motor lorries dashed against a two floored bldg., Numbers of persons were reported to be trapped in the driver's cabin. He immediately initiated rescue operation. 18 persons were trapped out of which five persons rescued by members of public & were remove to Rajawadi hospital in police petrol van before arrival of the brigade. Remaining 13 persons were rescued by firemen with the help of rescue gears and removed to Rajawadi Hospital in police petrol van. Out of 18 persons two were treated and allowed to go and remaining were admitted for further treatment.

1	2	3	4	5	6
3.	9-7-88 0822 hrs.	Jamatkhana, Gamdevi, Dongri Road, Roshan Nagar, Andheri (West).	2	3	The first arriving officer was reported by the members of public that portion of hillock gave way fuling over the hutment. All five occupants of the hutments rescued by members of public and removed to Cooper hospital in pvt. car before arrival of the brigade. The area was cordoned off. Out of 5 injured persons two were declared as dead and other three admitted for further treatment.
4.	5-2-89 0816 hrs.	Malpa Dongri No. 1, Subway, Ali Yawar Jung, Marg, Andheri (East), Bombay-93.	4	1	First arriving officer learnt from the members of the public that a persons, while drawing water from the underground drainage through a manhole, had fallen down in the manhole. Seeing him fallen in the manhole, three co-workers rushed to help him. They went down the manhole with the help of a ladder one after another, but were unable to come out. As a result all four persons fall unconscious. One person was rescued by members of public and removed to Cooper hospital in pvt. vehicle before arrival of the brigade. The remaining three persons who had fallen in the manhole were rescued by firemen with the help of rope and hook and removed to Cooper hospital in brigade ambulance and four persons were examined before admission by hospital authority and declared dead.

Other service :-

1	2	3	4	5	6
1.	23-4-88 0342 hrs.	Opp. Kirte Mahal, Mahatma Gandhi Road, Mulund (W), Bombay-80.	...	6	The first arriving officer was informed that due to dashing by a motor lorry bearing Regd. No. MMF 7410, loaded with sand (which was speeding from East to West), a B. E. S. T. Omini Bus single decker bearing registration No. MRL8402 (which was speeding from North to South) toppled down on the road, thereby causing minor injuries to six persons. All the six injure persons were removed to Mulund General Hospital in Pvt. car by the members of public before arrival of the brigade. All six injured persons were treated and allowed to go home.
2.	16-5-88 0727 hrs.	Opp. Suman Nagar, Eastern Express High-way and V. H. Purav Road, Junction Chembur.	1	12	The first arriving officer was informed about a collusion of motor lorry bearing Registration No. ABT 541 loaded with mangous and S. T. Omini Bus bearing registration No. MCH-5807, thereby causing injuries to 13 persons. All the injured persons were removed to L. T. M. G. Hospital in pvt. taxi and police petrol van before arrival of the brigade. Out of 13 injured persons one was declare dead after admission, 3 were detained for further treatment and other 9 were treated and allowed to go.
3.	28-5-88 0518 hrs.	Junction of Ramkrishna Bhishen Road, Linking Road.	1	7	The first arriving officer observed collusion of pvt. taxi bearing registration No. MRO 1264 and motor lorry bearing registration No. MWD 7858 on road and thereby causing injuries to 8 persons. All ijure persons removed to Cooper Hospital. Out of 8 persons one was declared dead, 3 were admitted for furthr treatment, 3 were treated and allowed to go, one was sent to K. E. M. Hospital on 29-5-88 from Cooper Hospital.
4.	4-6-88 0212 hrs.	Chembur Naka, V. N. Purav Marg, Chembur.	...	6	The first arriving officer observed collusion of S. T. bus bearing registration No. MWQ 746, Empty water tanker MHT 6595, two taxies MMT and MMQ 4179 and rikshaw MMR-9020, as a result, six persons sustained injuries. Out of six injured persons 4 were removed to Rajawadi hospital before arrival of the brigade. Other two injured were remoed to Rajawadi hospital in brigade ambulance. Out of six injured persons two were admitted for further treatment and four treated and allowed to go.
5.	12-10-88 1548 hrs.	Junction of Arunkumar Vaidya Marg, and Western Express Highway, Dindoshi Village, Goregaon (East), Bombay.	3	1	First arriving officer observed that an auto rikshaw bearing registration No. MMR 1129 proceeding from South to North on road and motor lorry bearing registration No. MXL 6043 proceeding from North to South on road dashed against each other. Due to serious dash the auto rikshaw again dashed against another motor lorry bearing No. GQG 6791 which was behind the auto rikshaw, proceeding South to North. 4 persons sustained injuries. Out of 4, 2 died on the spot and other 2 were removed to Bhagwati hospital. Two dead bodies were handed over to police.

1	2	3	4	5	6
6.	9-11-88 1054 hrs.	Paresawadi Pipe line, Opp. Shivshakti Society, Saki-naka, Bombay-72.	...	7	First arriving officer learnt from the members of public that one cylinder containing hydrogen gas had exploded on the road. As a result 7 persons sustained injuries. Out of the 7 injured persons, 4 were removed to Rajawadi hospital in pvt. vehicles by the members of the public before arrival of the brigade and remaining 3 were removed to Rajawadi hospital in brigade ambulance. Out of 7 injured persons 5 were treated and allowed to go, remaining 2 were admitted for further treatment.
7.	13-3-89 1839 hrs.	Near B. S. I. S. Hospital, Akurli Road, Kandivali (E), Bombay-400 101.	...	6	A private truck bearing Registration No: MMS/214 (of model premier 1976) loaded with G. I. Metal sheets was playing from East to West on Akurli Road, when some of the sheets were fell down from the truck, thereby causing injuries to 6 pedestrians. Out of 6, four were removed to Bhagwati hospital in brigade ambulance. Other casualties were removed to E. S. I. S. hospital and Bhagwati Hospital in pvt. vehicle before arriving of the brigade, Out of six casualties, four were allowed to go home and other admitted in ward No. 6 of E. S. I. S. Hospital for treatment.

APPENDIX—V

Serial No.	Type of Rescue	In Fire	In accident	Total
1.	Number of persons rescued alive with burns and injuries and subsequently recovered.	170	454	624
2.	Number of persons rescued alive with burns and/or injuries but subsequently died.	117	108	225
3.	Number of human lives lost before arrival of brigade.	32	79	111
4.	Number of casualties among fire service personnel.	6	18	24
5.	Number of animals rescued.	...	163	163

APPENDIX—VI

Serial No.	Fire Risk covered	Nos.
1.	Textile, woolen ,silk & Artificial Silk (Rayon etc. Mills)	131
2.	Ginning Mills	9
3.	Cotton Presses	22
4.	Oil Mills	25
5.	Petrol & Oil storages Refineries	195
6.	Match factories, fire works & explosive Manufacturers.	13
7.	Explosive stores	27
8.	Process involving dangerous petroleum products.	13
9.	Cinematograph film , celluloid plastics & Bake lite works.	33
10.	Timber and work working paper manufacturer.	268
11.	Chemical works	201
12.	Gas & Electricity undertaking	42
13.	Docks, Railways Airport installations	45
14.	Ware houses, goods yards, goods sheds	182
15.	Manufacture of rubber goods	190
16.	Manufacture of other goods.	524
17.	High rise building.	780
WATER FACILITIES		
18.	Hydrants and approximate capacity	9156
19.	Water Ponds	56
20.	Refiling places	70
21.	Wells, rivers & canals	1555
22.	Static tank, storage tank etc.	158
23.	Other facilities — Arabian Sea.	

APPENDIX—VII

Summary of Calls to Fires and other emergency calls (including false alarms) showing the number of times appliances of the Fire Brigade attended and how fires were extinguished during the year 1988-89.

Sr. No.	Fire Station	How Called.										Aiding appliances											How extinguished												
		Stranger	Fire Alarm	Direct Line (Private Wire)	Control Room	TOTAL	Motor Pump with Escape Ladder	Motor Pump with Extension Ladder	Hydraulic Platform	Ambulance	Water Tanker	Turn Table Ladder	Motor Pump with escape ladder	Motor Pump with Extension Ladder	Hydraulic Platform	Rescue Van	Motor Emergency Tender	Water Tanker	Hose Laying Lorry	Control Post Van	Breathing Apparatus	Ambulance	Turn Table Ladder	Sand	Water Buckets	Chemical Extinguishers	First-aid Hose Reel	Motor Pump	No. of Jets	Cutting off Current	Smothering	Hydrant	Foam Equipment	Sprinklers	Breathing Apparatus Sets Used
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
1.	Marol.	36	...	...	307	343	249	25	...	2	...	...	44	19	...	18	...	12	...	5	11	14	1	17	11	3	...	...	23	5	...	...	...	...
2.	Mulund.	31	...	...	213	244	268	6	10	4	19	...	38	50	...	5	...	6	...	2	...	18	...	23	17	9	67	66	72	...	...	...	...	...
3.	Chembur.	48	...	...	254	290	321	29	...	16	...	...	35	2	...	4	...	10	...	...	1	18	...	107	22	7	6	5	31	...	...	...	...	...
4.	Andheri.	17	...	...	507	524	523	111	...	57	9	...	...	28	...	...	1	...	...	...	...	...	...	155	117	...	...	...	...	...	...	...	...	...
5.	Kandivli	33	...	...	218	251	...	293	4	...	16	...	47	9	1	...	...	2	...	...	...	58	...	74	31	41	9	50	35	...	11	...	...	16
6.	Malad.	52	...	...	103	155	170	41	...	46	...	...	40	93	1	...	...	...	3	2	3	...	22	26	8	2	85	77	48	4	...	...	...	...
7.	Vikhroli.	28	...	...	211	239	34	244	...	16	...	...	36	55	4	14	32	19	...	...	...	14	13	59	35	37	9	56	74	...	...	...	...	...
8.	Byculla.	17	...	...	315	332	363	48	...	2	9	...	14	21	10	...	...	4	3	41	...	3	39	34	4	16	14	16	...	5	13	...	...	...
9.	Memonwada.	29	...	...	514	543	536	77	...	17	...	...	28	47	5	...	16	19	...	...	...	...	279	13	5	15	35	32	...	...	...	...	...	16
10.	Mandvi.	4	...	...	133	137	135	3	...	...	...	...	82	12	...	3	...	3	...	...	1	...	1	45	9	...	7	11	35	...	18	...	...	...
11.	Worli.	34	...	17	278	329	360	70	...	13	19	...	56	25	4	3	...	13	5	5	3	128	33	96	20	56	54	130	...	42
12.	Sewree.	8	107	115	119	154	20	2	16	...	2	2	9	...	28	23	32	10	48	42	1	38	5	7
13.	Dadar.	28	...	60	268	356	373	93	...	19	...	...	65	25	3	...	...	2	...	...	5	1	145	47	45	9	...	18	...	12	...	...	...	...
14.	Fort.	42	...	...	287	308	...	377	...	...	...	21	29	22	13	6	...	7	...	1	2	9	...	142	16	...	10	18	20	150	2	...	...	...
15.	Gawalia Tank.	70	418	486	498	3	68	39	21	5	...	28	15	3	8	...	25	167	42	14	13	22	27	169	5	6	...
16.	Raoli Camp.	57	...	...	87	143	139	15	...	...	...	...	4	40	...	...	...	06	...	...	...	...	73	11	...	...	9	98	83	...	6	...	...	...
17.	Colaba.	20	...	1	145	166	169	58	...	...	...	...	17	42	28	...	...	...	...	...	3	...	13	52	16	4	12	27	23	...	...	...	...	14
18.	Dharavi.	23	...	...	222	245	...	249	1	...	...	...	14	39	...	...	...	6	...	...	...	...	97	21	...	4	6	8	...	...	...	...	...	...
19.	Shivaji Park.	14	...	...	214	228	...	228	...	...	...	...	27	38	...	...	...	4	...	...	...	...	35	20	32	6	4	18	...	...	...	...	...	...
20.	Indira Dock.	6	...	...	98	110	109	10	...	12	...	...	10	51	1	1	...	...	...	1	4	3	...	35	6	5	8	16	13	...	5	...	...	...
21.	Deonar.	20	...	...	91	111	109	18	...	2	...	...	97	1	...	...	...	3	...	1	...	4	...	31	14	3	1	4	7	...	...	...	...	...
TOTAL		815	...	83	4988	5666	4475	1947	14	171	88	30	881	653	93	31	48	1161	19	21	79	158	58	1733	570	548	167	533	619	658	100	66	7	6	46

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VIGILANCE BRANCH OF ENGINEERING DEPARTMENT.

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). Recently a cell pertaining to Mechanical/Electrical Engineering, Vigilance is created and placed under the control of Dy. C. E. (Vigilance). Similarly, the Municipal materials testing laboratory which was connected to the roads department and G/South Ward has also been brought under the Administrative control of Dy. C. E. (Vigilance) during this year.

The organisational set up of this cell is as under :—

Municipal Commissioner		
Dy. City Engineer (Vigilance)		
Engg.	Engg.	
(A) Civil Vigilance Cell.	(B) Mech./Elect. Vigilance Cell.	(C) Materials testing laboratory (Worli).
3 Asstt. Engineers	1 Ex. Engineer	1 Asstt. Engineer
3 Sub-Engineers	1 Asstt. Engineer	2 Sub. Engineers
3 Clerical staff	1 Sub-Engineer	1 Chemist
2 Peons	2 Clerical staff	2 Lab. Attendants.

Administrative reports for these various sub-sections are as under :

(A) Civil Engineering Vigilance Cell

1) Main functions of this 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 building 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 this 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 Engineering 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 a 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 connected 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 bet on the work to give better quality of work.

The technical scrutiny at random has also an element of surprise. The building proposal staff takes adequate care while dealing with building 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 extract 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.

3) Performance of this cell :-

Major works done during the year 88-89 are as under :-

1) No. of inspections carried out	
i) Inspection of works	840
ii) Miscellaneous inspection	366
2) No. of final bills checked	21
3) No. of cases received from the M.C./Addl. M.C.'s/D.M.C./Director (E.S. & P.)	154
4) Amount of recoveries from contractors by way of rebates penalties, substandard work, detection of excess payments etc.	Rs. 6,37,909/-
5) No. of cases wherein departmental enquiries are initiated.	6

(B) Mechanical/Electrical Engineering Vigilance Cell.

(1) Main functions of the Cell :

(a) The main functions of the Electrical & Mechanical Vigilance Cell is to keep overall check on the technical matters pertaining to the Elect. & Mech. engineering works which is carried out by the various Elect. & Mech. departments. The works mainly include the operation and maintenance of electrical and mechanical installations of new machineries by project department, repairs and maintenance of various articles in S. W. M. depts., hospital, wards etc.

(b) Inspection of the complaints received from M. C., Public, M. L. A., Municipal Councillors and report thereof to Commissioner.

(c) This cell is also acts to initiate to comply the long pending cases such as rate schedule and suggestions in case of technical matters.

(b) This cell also checks at-random work order book, specification sheets, final bills etc., of the electrical and mechanical work carried out by various Agencies.

(2) Working of the Cell :

If the irregularities and discrepancies are observed in the work, the reports are submitted to M. C. through Dy. C. E. (Vigilance). The inspection are carried out to verify whether the works are being carried as per the specification and drawings by using the materials of approved quality and make. In case of irregularities observed in the work/material, the matter is brought to the notice of concerned department and the report is submitted to M. C. to that effect. This cell also submits reports to M. C. proposing actions to be taken against the contractors/staff in respect of irregularities noticed such as rebates, warnings, etc.

(3) Performance of the Cell :

Major works done during the year 1988-89 are as under :-

1) No. of inspections carried out	280
2) No. of Final bills checked	130
3) No. of cases received from the MC/Addl. M.C./D.M.C./Dir. (E.S.&P.)	1
4) Amount of recoveries from contractors by way of rebates, penalties, substandard work, etc.	Rs. 500.00/-
5) No. of cases wherein departmental enquiries are initiated.	NIL.

C) Materials testing laboratory, Worli.

(i) Materials testing laboratory is brought under the control of Vigilance Department with effect from September 1988 as per the orders of the Additional Municipal Commissioner (V). The laboratory is situated in Asphalt Plant Premises at Worli. It has two wings looked after by Assistant Engineer (Soil Mech.), one wing is known as "Concret testing laboratory" and the other as "Road materials testing laboratory". These establishments were partly working under G/South Ward and partly Roads and Storm Water Drains Departments hither to before. The details of various tests carried out by the laboratory are enclosed in the accompanying tables.

(ii) With a view to equip the laboratory with upto date equipments for testing, new machinery/apperatus were purchased during the year under reference. Considering the importance of the testing laboratory and the increased work load, it is proposed to extend the existing structure so as to add further area to the existing laboratory so that the various tests being carried out at present in the above laboratory will be carried out efficiently and new machinery, which is propcsed to be purchased will also be installed in the new premises.

MATERIAL TESTING LABORATORY
Administrative Report for the year 1988-1989.

		M'PAL work No charges.	M'PAL work with charges.	Private work Usual charges.	Govt. work concessional charges.	Revenue	Actual work done				
		1.	2.	3.	4.	5—2+3+4	6—1+5				
Concrete Cubes :-	No. of samples.	2010	804	727	361	1892	3904				
	Rate Rs.	—	30/-	30/-	15/-	—	—				
	Amount Rs.	60,300/-	24,120/-	21,810/-	5,415/-	51,345/-	1,11,645/-				
Cement :-	No. of samples.	94	189	15	15	219	313				
	Rates Rs.	—	210	210	210	—	—				
	Amount Rs.	19,740/-	39,690/-	3,150	3,150/-	45,990/-	65,730/-				
Bricks :	No. of samples	20	185	12	—	197	217				
	Rate Rs.	130/-	130/-	130/-	—	—	—				
	Amount Rs.	2,600/-	24,050/-	1,560/-	—	25,610/-	28,210/-				
Steel :—Dia	25	25	25	25	25	25	25				
	No. of Samples	—	—	19	38	3	32	2	10	204	204
	Rate Rs.	100	50	100	50	100	50	100	50	—	—
	Amount Rs.	—	—	1900	680	300	160	200	500	11400	11400
Total Amount :						134345	216985	

Road Material Testing Laboratory Worli.
Administrative Report for the year 1988-89.

Particular.	Number of tests done.	Amount of	Revenue.	Free testing done	Total amount worth work done
		Deptt. Rs.	Pvt. Rs.		
1) Asphalt mixes.	11190	20,700/-	23,500/-	323100/-	367300/-
2) Bitument.	7	—	100/-	250/-	350/-
3) Aggregate.	203	5,450/-	5,550/-	680/-	11680/-
4) soils.	80	5,280/-	620/-	1140/-	6940/-
5) Mix design.	9	—	9000/-	—	9000/-
			7		
	11489	31,430/-	38,670/-	3,25,170/-	3,95,270

SPECIAL VIGILANCE SQUAD

Designation of Head of the Department	Name of the officer and Qualification	Period	Remarks
Vigilance Officer (Special Duty)	Shri I. C. Sisodia B. A.(Special)	1-4-1988 to 31-3-1989	Throught the year

This is a small department known as Special Vigilance Squad and is a branch of Municipal Commissioner's Establishment, comprising of 6 officers and 7 men directly working under Municipal Commissioner and Addl. 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 carryout raids against those who are suspected to be evading municipal revenue.

(2) The squad supervises the Municipal Head Office Control Room. 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 1988-89, this Special Vigilance Squad conducted 102 investigations, carried out 203 surprise raids, about 540 visits and checkings and disposal of about 2,300 matters of miscellaneous nature including important cases of confidential and secret nature.

The details of investigations are as under :—

Sr. No.	Nature of the Investigation	No. of cases
1.	Cases of misappropriation and fraud, etc. of Municipal Fund.	19
2.	Cases of evasion of revenue in collusion of civic employees.	47
3.	Cases of irregularities.	21
4.	Cases of unauthorised constructions and businesses.	14
	Total	101

Details of raids and surprise checkings are as under :—

Serial No.	Nature of the Raid and Checkings	No. of Raids	Revenue Recovered
			Rs.
1.	Octroi Raids at Railway stations.	137	13,31,002/-
2.	Octroi Raids at Octroi Barriers.	62	23,33,435/-
3.	Surprise checking and other raids.	4	1,45,667/-
	Total	203	38,10,104/-

MARKET DEPARTMENT

SALIENT FEATURE

Income : Rs. 4,56,98,482
Expenditure : Rs. 7,32,91,294

There are 100 Markets out of which, 83 are Municipal and 17 private. Three more Municipal Markets are under litigation. In addition, there are 1,250 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 277 Supervisory, 189 Inspectorial, 51 indoor, and 874 Peons/Labour staff.

The financial position of the Markets for the Year 1988-89 is as under:—

Unit	Municipal Markets	Private Markets	Licences issued to outside meat shop	Revenue collected Rs.	Expenditure	
					Estt. cost. Rs.	Maint- enance cost Rs.
City	36	10	520	3,55,06,227	1,67,14,430	4,47,34,241
W. Sub.	31	5	395	76,83,120	66,45,921	16,80,990
E. Sub.	16	2	335	0,25,09,135	25,20,396	9,95,326
Total	83	17	1,250	4,56,98,482	2,58,80,747	4,74,10,547

Markets under litigation —

City 1
Eastern Suburbs. 2

Total 3

Revenue of Rs. 4,56,98,482/- is collected against the revenue of previous year Rs. 3,86,26,510/- Expenditure incurred is of Rs. 7,32,91,294 including General Supervision and debt payment charges as against the expenditure of the previous year of Rs. 6,25,17,870. A service charges @ 20% was levied with effect from 1-7-1988 and transfer fee for spaces/stalls/shops was revised upwards.

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	:	3,703
Animal Seized :		
(1) Sheep/goats	:	6,291
(2) Horned Cattle	:	1,448
(3) Pigs	:	19
Stuff seized and destroyed :		
(1) Beef	:	77,184 Kgs.
(2) Mutton	:	11,385 Kgs.
(3) Pork	:	753 Kgs.
Amount realised :		
(1) Disposal of skins & heads	:	Rs. 22,485.26
(2) Disposal of Fish	:	Rs. 898.04
(3) Fine imposed by Court	:	Rs. 1,82,182
(4) By sale of seized animals	:	Rs. 10,84,601.20

Immunisation of Cattle and Dogs :

Immunisation of Cattles and dogs is done by the team of Veterinary staff.

During the year, 198 dogs were immunised at 8 centres, 12806 puppies were destroyed at Mahalaxmi Centre. The curative and preventive treatment of animals was continued at Khar Veterinary Hospital. The Government had stopped supply of Rinderpest vaccine from 12-12-1986 onwards and the work is now being attended by Government of Maharashtra.

MARKETS WHERE DEVELOPMENT IS HELD UP — CITY

- CITY :**
1. Colaba Market : 2nd phase completed. Pile foundation of 3rd phase is also completed. Due to court case, further work of market could not be taken up.
 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. Prof. D. K. Mandai : Construction is already completed but possession was not taken as some deficiencies were found.

EASTERN SUBS.

1. Pmtt. market at Tagore Nagar, Vikhroli (E). : The work is likely to be completed by August, 1989.

**Markets developed
CITY**

1. Babu Genu Market, Mazgaon. : 3rd phase is completed and started functioning. Some stalls are under litigation.

MARKET LOCKED UP IN LITIGATION.

1. Market on plot No. 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.	F/North	C. G. S. Colony	2008.29
2.	G/North	Mia Mohd. Chhotani Road.	3461.20
3.	P/South	North of Motilal Nagar, Goregaon	2650 approx.
4.	R/North	L. T. Road (Bhabhai) Borivali.	2780.00
5.	R/North	Bharucha Road, Dahisar (East).	2000
6.	M/West	Subhash Nagar, Chembur Layout of 15th Road.	4115
7.	M/East	Bainganwadi, Shivaji Nagar.	2000
8.	M/East	Govandi Sambaji Nagar	3000
9.	S	L. B. S. Marg, near Mangatram Petrol Pump, Bhandup.	2546
10.	T	Plot opposite Mehul Cinema Nahur Road, Mulund.	3492
11.	G/North	Mogal Lane	3,253.47

Sd/-
Sr. W. O. (Markets)

DEONAR ABATTOIR

ADMINISTRATION REPORT FOR THE YEAR 1988-89

Since commissioning of the Abattoir, all the units continued function smoothly.

During the year under report, there is decrease in arrival and slaughter of sheep and goats and bullocks whereas there is rise in arrival and slaughter of buffaloes, pigs and M. Bs., considering the arrival and slaughter of the last year.

The Cold Storage Plant which was under repairs has been closed down with effect from 31-7-88 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 Laboratoir, M/s. Raptakos Brett & Co.; M/s. Cachet Pharmacauticals, M/s. Emcure Pharmacauticals, The Haffkine Institute and many other technical and research institutes continued to take benefit of the facilities for collection of various glands, blood, 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 Department, Government of India, Local Self Government Institution, Bombay and many other educational Institutes availed of the facilities for demonstration training etc.

Dignitories 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. Bs.	Sheep & Goats	Pigs
1987-88	57,058	1,20,901	5,220	30,90,104	47,943
1988-89	67,300	1,11,772	5,817	24,36,869	50,155
Rejected :					
1987-88	1,467	2,462	...	1,459	1,592
1988-89	1,002	3,614	65	1,437	1,463
Percentage of rejection :					
1987-88	2.57 %	2.03 %	...	0.05 %	3.32 %
1988-89	1.49 %	3.23 %	1.12 %	0.06 %	2.88 %
Animals removed :					
1987-88	4	4	...	4,55,546	...
1988-89	...	6	...	3,43,019	97
Slaughtered :					
1987-88	56,999	1,20,449	5,222	20,56,023	48,164
1988-89	67,320	1,13,092	6,108	17,35,244	50,929

PART—II

Meat	Quantity Produced in ton		Quantity Condemned in ton		Percentage of condem- nation	
	1987-88	1988-89	1987-88	1988-89	1987-88	1988-89
Beef	23838.43	25231.3	43.25	56.57	0.18 %	0.22 %
Mutton	20560.23	17352.4	3.62	20.06	0.01 %	0.11 %
Pork	1203.40	1273.23	20.4	30.78	1.70 %	2.41 %

STATEMENT—II
REVENUE COLLECTED AT DEONAR ABATTOIR

		1987-88	1988-89
		Rs.	Rs.
1.	Fair Fees	70,10,411	57,93,554.00
2.	Slaughter Fees	1,86,40,833	1,79,50,754.00
3.	Miscellaneous Receipts	1,81,19,036	1,73,31,936.00
4.	Rent	9,05,832	11,25,464.00
5.	Cold Storage	33,199	35,430.00
Total :		4,47,09,311	4,22,37,138.00

Sr.	Designation	Name of the Officer	Qualification	Period		Remarks
				From	To	
1.	2.	3.	4.	5.	6.	
1.	General Manager	Dr. A. A. Padalkar	B. V. Sc.	1-4-1986	31-3-1989	

Sd/-
General Manager,
Deonar Abattoir

LICENCE DEPARTMENT

Administration Report 1988-89

HIGH LIGHTS

(1) Expenditure on the Department —	
(a) Establishment	... Rs. 2,37,60,387
(b) Others	... Rs. 65,65,822
Total	... Rs. 3,03,26,209
(2) Revenue earned by the Department	... Rs. 13,59,54,574

STATEMENT SHOWING THE REVENUE POSITION FOR THE YEAR 1988-89.

Sr. No.	Particulars	No. of licences	Actual collection for the year 1988-89.
1)	Licences for storages & trades under section 393, 394, 412A of the B. M. C. Act.	1,15,186	5,67,94,583
2)	Licences for Hawkers & Squatters under section 313(A)(B) of B.M.C. Act & fees for removal of Encroachment (Redemption charges).	13,854	1,93,48,447
3)	Licences for stall boards, projections under section 313(1)(b)(c) of B. M. C. Act.	45,678	1,04,36,565
4)	Licences for Advertisement permits under section 328/328A of the B.M.C Act.	7,486	1,12,74,930
5)	Miscellaneous Receipts & Daily recovery of Wrongful Occupation cum-refuse removal charges. (Including warehousing charges of Rs. 4,33,510/- recovered by Fixing squad).	...	3,20,88,488
6)	Auction Sale (Private Lorry).	...	7,14,151
7)	Ground Rent.	...	52,97,410
	Total :		13,59,54,574

3) No. of prosecutions launched and amount of fine inflicted.

Prosecution launched	Fine inflicted.
22916	31,22,343

EVOLUTION :

The Licence Department 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 duties of the Corporation is discharged by executing the statutory provisions.

(i) Under Section 394 of the Bombay Municipal Corporation Act by granting licences for storages of various commodities and trades covered under Schedule 'M'. 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.

ii) As there is no provision under the existing provision of the B.M.C. Act for confiscation of hazardous/inflammable chemicals carrying fire and explosion hazard involving human lives, health and property, a Flying Squad has been created to eliminate the danger on the spot by seizing these hazardous and inflammable chemicals with the help of police authorities. These seized chemicals are redeemed as per court orders after recovering the warehousing charges.

In addition to the above, the Licence Department also controls and regulates :

A) Advertisements under Section 328/328/A of the Bombay Municipal Corporation Act.—

Permissions for the advertisement hoardings (illuminated/plan etc.) are granted strictly in conformity of certain norms and guidelines finalised by the Administration.

B) Licences for projections such as weather frames, Stall boards, Rolling shutters, Show cases etc. are granted under section 313(1) of the Bombay Municipal Corporation 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 and other constraints of in terms of adequate man power and equipments, wrongful occupation-cum-refuse removal charges are recovered at the rates of Rs. 5/— and Rs. 7/— (for selling perishable & non-perishable goods respectively) from the unauthorised hawkers in each ward, and the recovery at the rates of Rs. 10/— and Rs. 20/— is made from unauthorised hawkers dealing in food articles on trays and handcarts respectively during day and night times.

D) Removal of unauthorised encroachment under section 314(c) of the B.M.C. Act.

Each Ward has an encroachment removal vehicle with Lorry Inspector and six labourers for Morning and Evening shift respectively.

This staff concentrates on encroachment removal actions against unauthorised hawkers. There is also a central Vigilance Squad under Senior Inspector (Licences) for surprise and stringent actions.

APPENDIX—'A'

Statement showing the number of licences and permits issued and fees realised during the year from 1986-87 to 1988-89.

Description.	Year	No. of Licences	Amount of fees realised.
			Rs.
Commodities & Trades including Milk and its products (Section 394 & 412A).	1986-87	1,14,417	3,99,50,958
Blowing Steam Whistle (Section 393).	1987-88	1,14,739	3,60,73,272
No. of transfer licences & fees.	1988-89	1,16,016	5,67,94,583

APPENDIX—'B'

Statement showing the number of Permits for advertisement issued and amount of fees collected during the year 1986-87 to 1988-89.

Description	Year	No. of Permits	Amount of fees realised.
			Rs.
Wall posters, Hoardings & Boards.	1986-87	6,681	1,00,81,882
Moveable Boards & Handcarts.	1987-88	7,720	88,54,170
Illuminated advertisement, Sky-signs. Non-illuminated Sky-signs.	1988-89	7,486	1,12,74,930

APPENDIX—'C'

Statement showing the number of hawkers licences issued in respect of Stall Boards, Projections etc. during the year 1986-87 to 1988-89.

Description	Year	No. of Licences	Amount of fees.
			Rs.
Squatter fees collected from licensed hawkers.	1986-87	12,370	1,14,82,920
Fees received from itinerant hawkers licences.	1987-88	13,029	1,73,43,039
Recovery of Expenses (Under Section 490 for removal of encroachment under Section 314).	1988-89	13,854	1,93,48,447

APPENDIX—'D'

Statement showing the number of licences issued in respect of Stall Boards, Projections etc. during the year 1986-87 to 1988-89.

Description	Year	No. of Licences.	Amount of fees collected.
			Rs.
Licences for Stall Boards, Projections, etc. under Section 313(1)(b)(c) of the B.M.C.Act.	1986-87	41,132	96,23,522
	1987-88	40,536	87,93,397
	1988-89	45,678	1,04,36,565

APPENDIX—E

Statement showing the revenue collected by the Flying Squad towards Warehousing charges.

Description	Year	Amount.
Warehousing charges.	1986-87	1,91,120
	1987-88	2,24,740
	1988-89	4,33,510

Sd/-
S. L.

SHOPS AND ESTABLISHMENT DEPARTMENT

This department is entrusted with the work of

(1) Bombay Shops & Establishments Act, 1948 and Maharashtra Shops & Establishments Rules 1961.

(2) Minimum Wages Act, 1948 and Maharashtra Minimum Wages Rules 1963 in respect of the schedule employment only. viz.

(i) No. 13 : Employment is any residential hotel, restaurant or eating houses as defined in the Bombay Shops & Estts. Act, 1948.

(ii) No. 17 : Employment is any shop or commercial establishment (not being an employment in any bank or an employment which is included) 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 & Maharashtra Maternity Benefit Rules 1965.

Salient Features :

(A) Revenue Receipts	...	Rs. 47,33,541.80
(B) Expenditure on different activities (Exclusive of Provident Fund & Supervision charges).	...	Rs. 73,43,014.85
(C) Excess of expenditure over income	...	Rs. 26,09,473.05
(D) Amount of fine realised :		
(i) From Shops & Estts. Cases : Rs. 20,79,605/-		
(ii) From Minimum Wages Act : Rs. 32,248/-	...	Rs. 21,11,853.00
(E) Benefit realised for the employees under the Minimum Wages Act, 1948.	...	Rs. 12,86,945.70

Other Statistical Information :

(1) No. of establishments registered	...	2,89,805
(2) No. of employees working therein	...	8,95,975
(3) Grant-in-aid received	...	Nil.

Act	No. of visits	No. of Court Cases		Employees benefited
		Filed	Decided	
B. S. & E. Act, 1948	1,64,340	14,047	13,076	...
Minimum Wages Act, 1948	9,358	190	177	1,626

The following is the staff strength.

(1) Chief Inspector (Shops & Estts.)	...	1
(2) Dy. Chief Insp. (Shops & Estts.)	...	4
(3) Sr. Inspectors	...	29
(4) Inspectors	...	56
(5) Head Clerks	...	2
(6) Clerks	...	42
(7) Sr. Shop Attnds.	...	7
(8) Shop Attnds.	...	45

In the year 1988-89 there was an excess expenditure of Rs. 26,09,423.05 over the income, on the administration of the Shops & Estts. Department. The total expenditure incurred on different activities of the department was Rs. 73,43,014.85 exclusive of P. F. and leave contribution and supervision charges. As against this, an amount of Rs. 47,33,541.80 was realised by way of income, on account of registration, renewal fees sale of forms etc.

In the year 1988-89, 9358 visits were paid to the various estts. for the purpose of enforcement under the Minimum Wages Act, 1948. Out of these visits, 4613 to the Shops, 3929 to the Commercial Estts. 814 visits to the Restaurants and Residential Hotels, and 2 to the Theatres.

Special Features :

During the year under report, 1717 mass raids were conducted by the Inspectorate, for surprise checks of provisions under the B. S. & E. Act, 1948 and Minimum Wages Act, 1948. These raids, were for the purpose of check up of opening hours, closing hour, weekly closed day, records and minimum wages Act. In addition to these 1376 special raids were conducted for detection of women employment in the permit rooms, after prescribed closing hour.

This department has also been collecting Trade Refuse Charges which are equivalent to the tariff of fees under the Maharashtra Shops & Estts. Rules 1961. During the year under report, an amount of Rs. 61,30,978.25 was collected by the Inspectorate, towards Trade Refuse Charges for the Solid Waste Management department.

By Government Notification of 1-3-1989 amending the Maharashtra Shops & Estts. Rules 1961, tariff of fees for registration, renewal etc. has been revised, and therefore, it is likely to boost the income of the Shops Estts. Department, thereafter.

The Grant-in-Aid was not sanctioned by the Government on account of guidelines prescribed by the Government which do not provide for expenditure on the Dearness Allowance.

Information regarding officer who held the post from 1-4-1988 to 31-3-1989.

Sr. No.	Designation	Name of the officer	Qualification	Period		Remarks if any.
				From	To	
1.	Chief Inspector (Shops and Establishments).	Shri V. D. Totade	B.A. (Hons.) LL. B. L. G. S.	1-4-88	31-3-89	

(P. R. Deshmukh)
H. C. (G)
C. I. S. E. Dept.

MUNICIPAL GARDENS

(1) Income	Rs. 1,19,012.00
(2) Expenditure	Rs. 4,15,98,665.00
(3) Amount spent on Zoo	Rs. 34,31,120.00
(4) Expenditure towards Spl. Repairs New Works..	Rs. 32,94,624.00 Rs. 29,54,854.00

(5) Recreation activities added during the year 1988-89.

	V.J.B.U. City	W. S.	E. S.	Total
(1) Gardens	Nil.	1	...	1
(2) Playgrounds	3	1	3	7
(3) Fountains	5	...	...	5
(4) Gardens attached to Municipal Bldg.	Nil	1	2	3
(5) Bandstand	Nil	Nil	Nil	Nil
(6) Traffic Islands	6	4	Nil	10
(7) Nurseries	Nil	Nil	Nil	Nil
(8) Plant Sale Counters	Nil	Nil	Nil	Nil
(9) Plants distributed	12014	Nil	640	12654
(10) Trees planted	2880	3583	4792	38202

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 284 gardens, 174 playgrounds, 41 gardens attached to the Municipal Building, 152 traffic island gardens, 65 water fountains, 13 Bandstand, 24 Nurseries and 3 sale counter all over Greater Mumbai.

Veer mata 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 aly landscape Consortium on behalf of the aly Council of Yokohama at a centrally located plot at 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 pargala. Another interesting feature of the garden is the Kabuli Gate which is made up teak wood. It is one of the picturesque beautiful spot in the V. J. B. Udyan. The pond is skirted by a passage from where one can differnt facts 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 1988-89, the Zoo Advisory Board has been formed from May, 1988 and since their monthly meeting has been arranged in the Garden to discuss the matter related to Zoo management health care up keep and developmental aspects of Zoo. We have arranged to trap 11 stray Bonnet Rhesus Monkeys fra the City limit, creating nuisance to the citizens and the same were released in the deep forests in Kasara Ghat. In addition, we have also arranged to release six spotted deers five Sambarsana six Jackal in the reserved forest at National Park, Borivali for rehabilitation in the wild. We have arranged to deliver 1 : 2 sambar & 1 : 2 spotted deers to silvass zoo Dadra Nagar Haveli and 1 : 2 Sambar, 2 : 4 Chitta, 1 : 2 Bonnet Monkeys 3 Indian Gooses and Pantailed Pigeons to Pimpri Chinchwad Mahapalika on cash payment basic from our surplus stock.

During the year we have collected one male Indian Gour From Shahapur Division and arranged to display in our Zoo. An addition of this animal in the zoo is created a new attraction to the visitors, we have received as gifts leopard 2 nos. Porcupiner Nos., Malayam Squirrel 1 No. & Civet cat 1 No.

During the year the work of water proof plastering to the duck. Bond and landscaping the intension of the new bird cage 10 units with glass fronts to provide maximum natural background has been completed.

The project of information Kiosk (Panda House) has been completed with the help of World Wild Fund for nature India during the year and it has been started from 2-2-1989.

RECREATION ACTIVITIES :

During the year 1 Garden, 7 Playgrounds, 10 traffic islands gardens, 5 fountains and 3 Gardens attached to Municipal Bldgs. are added. The existing gardens as playgrounds to the City, Eastern Suburbs and Western Suburbs were maintained properly.

There are sixty five fountains in Greater Mumbai limit which have added to the beauty of the city with their cascading water and multi colourful lights.

Tree Plantation :

During the year 1988-89 a mass tree plantation programme was undertaken to combat the evil effect of Air pollution. 2880 trees 3583 in the City, 4,792 trees in the Western Suburbs and trees in Eastern Suburbs were planted. As a part of grow more campaign 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	141	75	68	284
2.	Playgrounds	95	45	34	174
3.	Gardens attached to Municipal Buildings	15	17	9	41
4.	Fountains	36	12	17	65
5.	Band Stands	7	3	3	13
6.	Box Hedges	1	1	—	2
7.	Statues	14	2	6	22
8.	Traffic Islands	109	28	15	152
9.	Nurseries	9	8	7	24
10.	Sale Counters	1	1	1	3
11.	Plantation of trees	2880	35832	4792	11255
12.	Existing trees	35746	33876	40242	109864

Supdt. of Gardens.I/c.

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 works were taken up in hand.

a) Repair of the dilapidated windows of the Museum.

b) Repair and replacement of the supports to the cornices on the Museum building.

Both these works will be completed in 1989-90.

The Municipal Commission 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. This work is still in progress. In this connection, 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 were appointed on the establishment of Dr. Bhau Daji Lad Museum.

In order to implement the above project additional staff consisting Assistant Curator, Research Assistant, and one Technical Assistant (Museum) in Labour category were appointed on the establishment of Dr. Bhau Daji Lad Museum.

Shri A. P. Fondekar, Curator on Deputation was relieved from Dr. Bhau Daji Lad Museum on 1-4-1989. Post of Curator is vacant and Assistant Curator appointed has been entrusted with the work of looking after the duties of the Curator.

The details regarding the number of visitors, sale proceeds of admission tickets, total expenditure etc.

Particulars	1987-88	1988-89
The number of days Museum was kept open.	302	306
Total number of visitors	7,24,003	7,43,821
Sale proceeds of Admission Tickets	2,24,060.00	2,18,393.00
Sale proceeds of Museum Guides and Minor Receipts	1,070.00	1,356.00
Fees for taking Photographs	700.00	2,563.00
Sale proceeds of Scrap, Waste paper etc.	—	—
Receipts of grant from the Central Government	—	—
Total expenditure (excluding the amount spend from the grant from the Central Government).	3,51,800.00	6,06,635.00*

NOTE :

* Expenditure increased due to appointment of additional Non-schedule staff and creation of new posts on the establishment of the Museum.

The information called for in the first paragraph of the Municipal Commissioner's Circular No. MOP/3384 of 13-4-89 regarding the Administration Report for the year, 1988-89 against 1 (iii) and 1 (iv) are given below please.

1 (iii)	Occassions on which the provisions of the Bombay Municipal Servants Act, 1890 had to be brought in to effect.	NIL
1 (iv)	Award of Adjudications	NIL

The information called for in the first paragraph of the Municipal Commissioner's Circular No. MOP/3384 of 13-4-89 regarding the Administration Report for the year, 1988-89 against 1(ii) is given below please.

Sr. No.	Designation	Name of the Officer	Qualification	Period	Remarks
1(ii)	Curator	Shri Arvind Prabhakar Fondekar.	M. SC. D. B. M.	1-4-88 to 31-3-89	Shri A. P. Fondekar, Sr. Curatorial Astt. of Prince of Wales Museum was appointed from 1-1-88 on the estt. of Dr. B. D. L. Museum as Curator on Deputation for Re-Organisation of the Museum. He has been relieved on 1-4-89.
	Hon. Director	Shri Sadashiv Gorakshkar	M. A.	1-4-88 to 31-3-89	Shri S. Gorakshkar Director of Prince of Wales Museum appointed as Hon. Director from 1-1-88 for Re-organisation of the Museum.

Astt. Curator
Dr. Bhau Daji Lad Museum.
(Dr. Smt. M. S. Paranjpe)

MUNICIPAL SWIMMING POOLS

All the Municipal Swimming Pools in Greater Bombay viz., Mahatma Gandhi Memorial Olympic Swimming Pools at Dadar, Nirlon Olympic Municipal Swimming Pool at Goregaon, Ghatkopar Lions Municipal Swimming Pool at Ghatkopar, Sardar Vallabhbhai Patel Municipal Swimming Pool at Kandivali, Municipal Swimming Pool at Mulund Sports Complex, and the Municipal Swimming Pool at Andheri Sports complex were fully utilised by the public for the period under report. The number of casual swimmers and the regular members are on the increase from year to year. Concessional facilities for the schools were adequately utilised by schools.

36th Anniversary of the M. G. M. O. Swimming Pool was observed on 27th April 1988 by holding swimming competitions among the members of all Municipal Swimming Pools.

Vth Sub. Junior National Aquatic Championship was held at Guwahati from 25th June to 28th June 1988. Four members had participated. Long distance Sen Swimming Competitions were held at Mushirabad and one member participated.

M. G. M. O. Water Polo League Tournaments were held in July 1988. All India Water Polo Tournaments for the Mayor's Trophy were held at the Swimming Pool at the Andheri Sports complex.

FINANCIAL

Swimming Pool	Income	Expenditure
	Rs.	Rs.
1. M. G. M. O. Swimming Pool, Dadar.	9,82,767	9,06,310
2. N. O. M. Swimming Pool, Goregaon.	2,68,842	6,87,513
3. S. V. P. Swimming Pool, Kandivali.	5,56,690	7,28,577
4. Ghatkopar Lions Municipal Swimming Pool, Ghatkopar.	6,84,295	7,27,300
5. Mulund Swimming Pool	2,89,450	18,13,700
6. Andheri Swimming Pool.	12,40,079	9,54,044

The above expenditure is exclusive of Water charges, Security Service and the charges for services rendered by different Municipal departments.

SWIMMERS

Swimming Pool	New Adm.	Casual Swimmers	School Children	No. of Institutions	Private reservation
1. M. G. M. O. Sw. Pool, Dadar.	7129	9,824	3,520	40	1060 Hrs. Rs. 1,16,913/-
2. N. O. M. Sw. Pool, Goregaon.	830	59,741	267	8	54 Hrs. Rs. 8,462/-
3. S. V. P. Swimming Pool, Kandivli.	4,350	32,033	1,927	4	6 Hrs. Rs. 642
4. G. L. M. Sw. Pool, Ghatkopar.	4,021	15,000	1,436	9	10 Hrs. Rs. 1,070/-
5. Mulund Swimming Pool, Mulund	248	40,000	---	---	---
6. Andheri Sw. Pool.	3069	21,641	2,370	---	17 Hrs. Rs. 36,856/-

sd/-
Manager,
O. S. D. (Sports).

RAJA DR. BALDEV DAS BIRLA KREEDA KENDRA

Administration Report for the year 1988-89

Raja Dr. Baldevdas Birla Kreeda Kendra, has a multipurpose auditorium, fully air-conditioned and equipped with normal electrical accessories viz., flood lights, spot lights, full set of loud speaker 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, 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 arranged 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. Terrace 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	836 Sessions.
(2) Boat House	823 Sessions.
(3) Children Hall	515 Sessions.
(4) Art Gallery	648 Sessions.
(5) Garden for Parties, Reception etc.	304 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. 6,44,087/- was collected by way of revenue and an amount of Rs. 7,37,275/- was expended on salary of staff and other items of maintenance.

Birla Kreeda Kendra, Chowpatty.

Statement showing the qualifications of the Head of Department who held the post during the year i.e. from 1-4-1988 to 31-3-1989.

Sr. No.	Designation	Name of the Officer	Qualification	Period	Remarks if any
1.	Manager	Shri S. J. Babar	B. A. (Spl.) L. S. G. D. L. G. S.	1-4-1988 to 31-3-1989	

Manager,
Birla Krida Kendra, Chowpatty.

Ward Officer (Removal of Encroachments)

List of demolitions done from 1/4/1988 onwards

Sr. No.	Date	Ward	Demolition carried out
1.	5-4-88	P/S	Demolition at Yeshwant Nagar. 450 structures demolished.
2.	12-4-88	G/N	Takandas Kataria footpath huts demolished for road widening for fly-over.
3.	30-4-88	G/N	Indira Nagar, about 130 structures demolished for proposed road & laying of water main.
4.	12-5-88	K/E	Kamraj Nagar near Western Exp. Highway 400 huts demolished for road widening & sewer laying.
5.	13-5-88	M/W	150 huts demolished & action with cranes for removal of vehicles (22) at Sunan Nagar, V. N. Purav Marg.
6.	14-5-88	L	Demolition at Kurlawale compound. 52 structure demolished.
7.	20-5-88	R/S	Ganga Nagar, Defence land, Cancelled.
8.	28-5-88	G/N	600 structures demolished below Tata High Tension Lines at Nagar.
9.	1-6-88	S	1000 huts at Ashok Nagar below Tata Transmission Lines & 500 structures at Sanjay Gandhi Nagar demolished.
10.	2-6-88	H/E	17 u/s. structures demolished at Bandra (E).
11.	11-6-88	N	On Industrial Road footpath, 200 huts demolished.
12.	28-6-88	K/W	Demolition of party offices postponed.
13.	14-7-88	K/W	3 party offices, 1 mosque, 15 shops at 7 bunga lows & 6 stalls at Pandya lane demolished.
14.	21-7-88	R/S	15 party offices demolished with 2 commercial sheds.
15.	4-8-88	H/E	U/a. work under construction demolished at bldg. No. 40 & 22, Bandra (E).
16.	9-8-88	K/W	Demolition of 6 rooms under construction at Behram & a huge godown under construction at Lallubhai Park.
17.	10-8-88	L & S	2 party offices in L & 2 party offices in S ward demolished.
18.	12-8-88	H/E	20 godowns demolished at Hidaytullah compound Kalina.
19.	26-8-88	R/S & G/N	Demolition of party office at Samta Nagar & 50 u/s. huts at Kataria Marg.
20.	5-9-88	S	Demolition of 5 party offices in S Ward.
21.	13-9-88	H/E	U/a. work under constuction demolished at bldg. No. 40 & 22, Bandra (E).
22.	29-9-88	K/W	Demolition of 15 garages near Lido cinema, Juhu.
23.	6-10-88	H/W	Demolition of 300 huts near Bunderwadi pumping station for access to pumping station.
24.	13-10-88	K/W	32 stalls at Five bungalow area, 30 huts on footpath Opp. Versova pumping station demolished.
25.	14-10-88	K/W	35 sheds, commercial garages on Link Road & huts on footpath of Barfiwala road demolished.
26.	15-10-88	K/W	10 u/a. stalls & 50 u/a. huts on Gulmohar road were demolished.
27.	25-10-88	H/E	2 party offices demolished, I BJP, 1 Cong. (I).
28.	26-10-88	G/N	42 commercial sheds demolished at Banwari compound.
29.	27-10-88	G/N	Demolition of 4254 huts & 70 structures at Dhorwada, Dharavi.
30.	28-10-88	G/N	Demolition of 310 huts on eastern footpath of LBS Marg near near Sion station.
31.	3-11-88	E	Demolition of 150 huts on Sophia Zuber Road & 1st & 3rd Peerkhan Station.
32.	2-11-88	S	Demolition of 150 structures on market & garden plot at 9th & 10th Kamathipura.
33.	4-11-88	D	Demolition of u/a. temple at Bane compound Tardeo.
34.	16-11-88	H/W	Demolition of 300 huts on south side of highway & west side of Mahim Causway.
35.	17-11-88	S	Demolition of 6 temples & 2 statues at Vihar Lake catchment area.
36.	24-11-88	F/N	Demolition of 125 huts on footpath of Antop Hill.
37.	30-11-88	N	Demolition of 200 huts at Ramabai Nagar, Eastern Exp. Highway.
38.	10-12-88	B	Action against stalls Zakaria Masjid Road, Ibrahim Merchant Road, 35 stalls.

Sr.	Date	Ward	Demolition done
39.	12-12-88	K/E	Demolition of 5 u/a. 1st floor at Janata Colony, Prem Nagar, Jogeshwari (E).
40.	20-12-88	F/N	Demolition of 110 u/s. huts below War'ala Fly over.
41.	22-12-88	K/E	Demolition of 50 u/a. structures under construction at Sripat Nagar, near Kamal studio & braking of foundation of 50 rooms. U/a. huts removed at Santacruz (W), On Airport land.
42.	3-01-89	K/W	Do.
43.	4-1-89	K/W	Do.
44.	28-1-89	F/N	U/a. 'Saibaba' temple at Ayurved Vidyalaya, Sion.
45.	31-1-89	M/E	160 structures at Nirankaribaba, Shivaji Nagar.
46.	8-2-89	H/E	Demolition at Naupada.
47.	9-2-89	M/W	At Vatsalatai Nagar, Near pipeline. U/a. huts.
48.	17-2-89	T	40 structures at Bhoirnagar, 80 structures at Jaishankar Doshi Marg-for road widening & 40 structures at Bhaktimarg.
49.	18-2-89	K/E	102 structures at Meghwadi for proposed school.
50.	22-2-89	M/E	U/a. huts at plot No. 50. Shivaji Nagar.
51.	27-2-89	M/E	150 u/a. structures at F block.
52.	28-2-89	M/E	150 structures on Mankuhrd Link Road.
53.	8-3-89	M/E	Rafique Nagar, Shivaji Nagar No. 1, 200 u/a. structures on Dumping ground.
54.	9-3-89	M/E	300 u/a. structures on dumping ground, Shivaji Nagar No. 1.
55.	12-3-89	R/S	K. T. compound, 220 structures of CI sheets & 55 pucca structures removed.
56.	19-3-89	R/S	K. T. compound, 150 structures of gunny bags, bamboos & 50 pucca structures removed.
57.	25-3-89	P/N	80 u/a. stalls at Malvani.
58.	27-3-89	F/N	25 huts & shed of 60' X 30' at Naigaum Cross Road, Dadar Urdu Municipal School.
59.	28-3-89	G/S	300 huts on north-east side of platform at Mahalaxmi, RTS plot.
60.	30-3-89	G/S & L	RTS Plot. North-West side of platform at Mahalaxmi-100 structures removed. 200 structures at Adarshnagar Colony near railwayline. Mohili Village, Kurla, near Sahyadri Society, 5 rooms under construction demolished.
61.	31-3-89	L	Khadi No. 3, Kurla, 25 new rooms, 20 rooms' foundat on & 20 structures demolished.