ADMINISTRATION
REPORT
OF THE
MUNICIPAL COMMISSIONER
FOR
GREATER BOMBAY
1989 - 90

CITY, SUBURBS AND EXTENDED SUBURBS

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GOKHALE INSTITUTE OF POLITICS & ECONOMICS (Deemed to be a University) PUNE

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FOREWORD

As required under the Section 124 of the Bombay Municipal Corporation Act, I, hereby, place the "Administration Report" for the year 1989-90 before the corporation. The report brings out the salient features of the progress of the activities carried out and the services rendered by different Civic Departments during the year 1989-90.

The PUBLIC HEALTH DEPARTMENT has collected vital statistics on various communicable and other diseases including births and deaths and has been maintaining Public Health Laboratory for examination of water and food samples. The Department is also implementing National Programmes like T.B. Control, Malaria Eradication, etc. alongwith combating the dreaded disease like Acquired Immuno Deficiency Syndrome (AIDS). A total of 135 carriers of this disease have been reported in Bombay alone.

During the year 1988, in all 2,18,399 births and 74,209 deaths were registered. The birth and death rates for 1988 were 21.4 and 7.3/1000 population respectively. The infant Mortality rate for 1000 live births was 53.1 while the maternal Mortality rate was 0.4. There is decline in above rates in comparision to the rates for the preceeding year i.e. 1987.

Christian Cemetery at Oshiwara and new Electric Crematorium at Shivaji Park have been commissioned.

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

THE CITY EINGINEER'S DEPARTMENT, due to increased activities at Municipal Hospitals, School had undertaken Expansion schemes at Hospitals & School during 1989-90. Major repair to several other Municipal Buildings were undertaken. An unique work of demolition of 8 top floors of PRATIBHA CO-OPERATIVE SOCIETY was undertaken by inviting quotations. In the city limit, 26 construction works were taken during the year and 3 were completed, in Western Suburbs, 16 works were taken and 3 were completed and in Eastern Suburbs 14 works were taken and 6 were completed.

THE DEVELOPMENT PLAN DEPARTMENT has finalised and submitted a Draft Revised Development Plan to the State Government for sanctioning as provided under Section 30(1) of the M.R.&T.P. Act. The state Government approved the suggestion and on 14.12.1989, Development Control Rules were published.

THE ROAD & STORM WATER DRAINS DEPARTMENT carried out the projects like Prime Minister's Grant Project for improving Dharavi and additional rasettlement at mulund, BUDP-I for Charkop- Kandivali, Goral-Borivali and Versova. A new BRIM STOWAD Brihanmumbai Storm Water Drain Project is initiated during the year. The Project is world Bank aided one, which envisages drawing Master Plan of S.W.D. for entire Greater Bombay and rehabilitation of existing old dilapidated Storm Water Drains.

Due to the ever-increasing traffic in terms of axle loads, new works of concreting the roads were undertaken. In all 27 locastions were chosen, out of which 10 are in City and 9 and 8 are in Western Suburbs and in Eastern Surburbs respectively. Pay and Park Scheme has been implemented in certain Traffic Islands and road-side plots.

THE CHIEF ACCOUNTANTS DEPARTMENT has extended the scheme of payment through Bank to the employees, to other departments like teaching and non-teaching staff, labour staff of Security Deptt.,etc. Which hitherto were not included in the Original Scheme. Payment of P.F./N.C.P.F./Gratuity, etc. were promptly Made to the retiring Municipal Employees on the due date of their Superannuation. The computerisation of main stores on live run basis had started functioning from April 1988 and now all 28 Engg. stores have started functioning on computers from April 1989.

THE MECHANICAL & ELECTRICAL ENGINEERING DEPARTMENT has installed a central air-conditioning Plant at Multi-storeyed building of K.E.M. Hospital and a large number of modern facilities have been introduced for the benefit of citizens. An Electric Cremetorium at Shivaji Park has also been commissioned by this department.

Under BUDP-I, the Department of SOLID WASTE MANEGMENT has constructed a Refuse Transfer Station at Mahalaxmi to increase the capacity of loading from 180 M.T. to 500 M.T. of grabage per day.

THE WATER SUPPLY & SEWERAGE DEPARTMENT has completed all the works of Bombay-II Water Supply Project except the work of construction of Master Balancing Reservoir-II at Yewai. The following works costing about Rs. 80 crores were launched under Bombay-III Project :

1. Construction of 455 mld. Water Treatment Plant at Panjrapur ;

2. Construction of Water Tunnel From King's Circle to Sewri;

3. Construction of Water Tunnel from Ruparel College Matunga to Race Course Mahalaxmi;

4. Four of the five contracts for laying transmission mains from Pise to Bhandup (Except between Anjur & Majiwade).

On carrying out above works, it will help in norrowing the gap between the demand and supply of water from 36% to 18%.

Under the SEWERAGE PROJECTS, different works under Bombay- II Sewerage Project amounting to Rs.461 crores are in progress including Pumping and disposal works amounting to Rs. 166.38 crores. Mechanical and Electrical Works amounting to Rs. 55.63 crores are being included under the supervision of Project Consultant, M/s BINNIE & PARTNERS (INDIA) LTD. of U.K. in association with M/s. TAT CONSUTING ENGINEERS.

The work of construction of Marine Outfalls at Bandra and Worli came to standstill in October 1987 and subsequently the contractors, M/s. SPIE-CAPAG terminated the contract unilaterally.

Civil Works of Bombay-III, Sewerage Projects amounting to about Rs. 40.47 crores are also taken up.

THE HYDRAULIC ENGINEER'S DEPARTMENT, i.e. WATER WORKS is mainly concerned with distribution of water and maintenance of water distribution installations. Under the special assistance from Central Government, for improvement of the facilities in Slum Areas, an outlay of Rs. 3.69 crores for laying Water Mains at seyeral places in Greater Bombay was planned.

THE FINANCE & ADMINISTRATION WING OF W.S.S.D. deals with financial accounting and administrative matters of Water Supply & Sewerage Department. It is obligatory on the part of the Corporation to meet 40% of the cost of the capital expenditure programme for the year out of its own revenue surplus keeping in view of one of the convenants of the project agreement with the World Bank.

THE ASSESSMENT & COLLECTION DEPARTMENT is a major revenue earning department of the corporation. The Department, last year, has collected Rs. 262.08 crores towards the property taxes (including Govt. taxes, viz. State Education & Employment Guarantee Cess) and Rs. 318.06 crores towards Octrol. Octrol being principal source of revenue, all efforts are being made to improve collection and reduce leakages. Various measures are also being taken to improve the administration of levy, collection and refund of octrol.

THE EDUCATION DEPARTMENT from this year introduced "SANSKRIT" as a part of co-curricular activities in Marathi Primary Schools. For the Scholarship Examination a special campaign has also been introduced and 16,500 students are inducted to this. About 3000 students of Municipal Primary

Schools participated in "BHARATIYAM PROGRAMME" of 14th November 1989 and in "JAWAHAR JYOTI PROGRAMME" organised by the State Govt. Four students of Municipal Primary Schools were sent to YOKOHAMA, JAPAN for participating in a conference in "JUVENILE SCIENTIST"

A Bimonthly magazine for teachers named "PRAGATI" is started from September 1989.

THE BOMBAY FIRE BRIGADE DEPARTMENT is organised to save lives and property in the event of fire and other emergencies such as house collapses, motor and train accidents, drowning cases, oil and chemical spillages, tree collapses, etc. The Brigade has lived upto its tradition in maintaining high standard of fire fighting and rescue services. The Bombay City for the first time during the year has faced a tremendous task of devastating cyclone. Notwithstanding this situation, the Bombay Fire Brigade worked right from 3.00 a.m. on 24.7.1989 till next 30 hours restlessly attending more than 500 calls. The Brigade has been also started training in Fire-Fighting to outside candidates for period of four months.

THE DEPARTMENT OF PERSONNEL & ADMINSTRATION REFORMS has comiled Recruitment Rules in booklet under the heading "LIST OF POSTS FOR WHICH QUALIFICATIONS ARE SANCTIONED BY THE MUNICIPAL COMMISSIONER"

THE CIVIC TRAINING INSTITUTE & RESEARCH CENTRE carries out the following activities :

a. TRAINING

b. SYSTEM STUDIES.

C.T.I.R.C. organises and conducts Man Power Development Training Progammes in Administrative Management, Finance Management, General Management, Job Training for all levels of employees of various departments of the Municipal corporation. The Induction Training Programme is also organised for newly recruited employees to acquiant them with various activities carried out by the Corporation. In all 312 programmes were conducted at the campus and 5764 employees were trained during the year. Besides, the above training programmes, the Institute also organises and conducts Special Training Programmes with the assistance of Ministry of Urban Development Department. Govt. of India named NATIONAL REFRESHER COURSES as below :

1. Sewer Cleaning & Maintenance

2. Cathodic Protection

3. Chlorination & Chlorinators.

Library facilities are also being provided at the campus for benefit of trainees and employees of the Corporation..

System Studies are carried out to bring about improvement in the methods employed by various departments of the Corporation so as to suggest various ways and means of utilization of available resources effectively through application of Management Techniques. 89 System Studies were carried out during the period.

sd/-
Municipal Commissioner.

GENERAL

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

CORPORATION

Shri Sharad Acharya, who was elected Mayor at the Meeting of the Corporation held on 3rd April 1989 and held that office through out the year.

2. 89 Meetings of the Corporation, One Meeting of the Special Committees and 4 Meetings of the Consultative Committees were held during the year 1989-90.

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

STANDING COMMITTEE.

Shri Ramdas Nayak, who was elected as Chairman of the Standing Committee, at their Meeting held on 8th April 1989 held that Office throughout the year.

Shri D. P. Naik was elected as Chairman of the Education Committee with effect from 8th April 1989. 194 Meetings, of the Standing Committee including regular and adjourned Meetings and Special and Adjourned Special Meetings were held during the year. 1 Meeting of the Sub-Committee was held during the year.

List of Councillors who held office as on 31st March 1990.

STANDING COMMTTEE. (1989-90)

1) Shri Ramdas Nayak (Chairman)

2) Kadam, Shri R. T.
3) + Kadam, Shri V. G.
4) Kandalgaonkar, Shri T. V.
5) +Kohli, Shri S. J.
6) Kolambkar Shri K. N.
7) Khan, Shri F. A.
8) Gite, Shri A. G.
9) Gambhir, Shri S. A.
10) Ghosalkar, Shri V. R.
11) *Naik, Shri D. P.
12) Boudhankar, Dr. R. N.
13) Bhujbal, Shri C. C.
14) +Mehta, Shri N. R
15) +More, Shri V. B.
16) Raginwar, Shri R. W.
17) Raote, Shri D. N.
18) Vanu, Shri M. A.
19) Vynn, Shri V. S.
20) Sheth, Shri G. H.
21) Singh, Shri R. J.

\+ Appointd as Member on 18.1.1990.
* Ex-Officio Member.

IMPROVEMENTS COMMITTEE

Shri D. G. Zarapkar, who was elected Chairman of the Improvements Committee as their Meeting held on 11th April 1989, held that Office throughout the year.

The strength of the Commmittee increased from 16 to 20 in accordance with amended provision of Section 49B of the Bombay Municipal Corporation Act 1888, as Maharashtra Act No. XXI of 1989. 29 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.

List of Counillors who held Office as on 31st March 1990.
IMPROVEMENTS COMMITTEE (1990-91)

1. Shri D. G. Zarapkar (Chairman)

2. Shri V. V. Avachat
3. Shri. Vedu Ayare*
4. Shri R. R. Kadam
5. Shri R. M. Keny
6. Shri K. H. Jain
7. Shri B. D. Joshi
8. Shri R. G. Joshi
9. Shri Shriniwas Deshpande
10. Shri Bhagwanntrao Patil*
11. Shri H. K. Patil
12. Shri B. N. Pandye
13. Shri M. D. Birje*
14. Shri M. G. Bhave*
15. Shri G. A. Mahale
16. Shri S. B. Yadav
17. Shri V. B. Raut
18. Kum. Sushila K. Rambiya
19. Shri Sardar Tara Singh
20. Shri N. T. Satam

*Appointed by the Corporation on 18.1.1990.

EDUCATION COMMITTEE

Shri Dilip Naik, who was elected Chairman of the Education Commitee as their Meeting held on 8th April 1989, held that Office through out the year.

Shri G. D. Varkak expired on 4th August 1989. The strength of the Committee increased from 16 to 20 in accordance with amended provision of Section 50H(2) of the B.M.C. Act, 1888, as amended upto date vide Maharashtra Act No. 1989. 21 Meetings including regular and adjourned Meeting and Special Meetings and Adjourned Special Meetings were held during the year.

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

TREE AUTHORITY

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

List of Councillors who held Office as on 31st March 1990.
EDUCATION COMMITTEE (1989-90)

1) Shri Dilip Naik (Chairman)

2) Shri J. K. Oza*
3) Shri A. H. Ankola+
4) Shri O. P. Andrade
5) Shri M. B. Khedaskar
6) Shri D. S. Gala
7) Shri D. B. Gawade
8) Shri Mohammed Y. I. Zaveri
9) Shri K. B. Jadhav
10) Shri G. V. Tawde+
11) Shri M. N. Tandel
12) Shri Y. D. Dode*
13) Shri B. L. Nagvekar
14) Shri H. P. Padwal
15) Shri S. D. Pawar*
16) Shri Suresh Patil+
17) Shri G. D. Vartak (expired on 4.8.1989.)
18) Smt. Pushpa Wagle
19) Shri J. J. Shah+
20) Shri D. B. Shirke

* Non-Councillor Members of the Committee.
+ Appointed by Corporation on 18-1-1990.

List of Councillors who held office as on 31ST March 1990.

TREE AUTHORITY (1989-90)

(1) Shri S. N. Acharya (Chairman)

2) Shri A. H. Ankola
3) Shri Manohar Joshi*
4) Shri K. T. Thapa
5) Shri V. M. Daruwale
6) Smt. Alka Desai
7) Shri K. S. Pednekar
8) Shri A. R. Britto
9) Shri S. M. Metreja
10) Shri S. M. Mishra
11) Shri R. P. Narkar (Ch. M. & G. Committee)
12) Shri S. B. Yadav
13) Shri R. W. Raginwar
14) Shri N. T. Rane
15) Shri C. C. Sharma
16) Shri S. L. Shah*
17) Shri S. V. Sampat*
18) Shri M. J. Hegde

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

Shri S. J. Chube, appointed as Municipal Secretory with effect from 2nd September 1988.

No circumstances arose in this Department in which it was necessary to invoke the provisions of the Municipal Servant's Act, 1890. There was no seperate Award of Adjudication during the year 1989-90, so far as this Department is concerned.

LIST OF COUNCILLORS WHO HELD OFFICE AS ON 31ST MARCH 1990.

Shri S. N. Acharya, Mayor

Shri Ramdas Nayak, Chairman, Standing Committee.
Shri D. G. Zarapkar, Chairman, Improvements Committee.
Shri D. P. Naik, Chairman, Education Committeee.
Shri N. T. Rane, Chairman, B. E. S. & T. Committee.

Ansari, Shri N. M.
Ansari, Shri M. J.
Avachat, Shri V. V.
Ankleshwaria, Shri R. C.
Ankola, Shri A. H.
Andrade, Shri O. P.
Ayre, Shri V. P.
Ambre, Shri S. S.
Owhal, Shri V. M.
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, Shi S. A.
Gala, Shri S. A.
Gawde, Shri D. B.
Gite, Shri D. S.
Gujar, Shri D. D.
Gurav, Shri B. R.
Ghediya, Shri V. P.
Gholalkar, Shri V. R.
Chavan, Shri R. K.
Chavan, Shri V. V.
Chavan, Shri S. S.
Choube Shri T. V.
Chouhan, Shri B. A.
Chaouhan, Shri Lalsingh
Zaveri, Shri M. I.
Jadhav, Shri M. B.
Jadhav, Shri M. S.
Jawkar, Shri S. G.
Jain, Shri K. H.
Joshi, Shri B. D.
Joshi, Shri R. G.
Zakeria, Shri S. A.
Thakre, 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.
Naik, Shri S. D.
Narvekar, Shri V. A.
Neverekar, Shri K. R.
Patel, Shri B. M.
Padwal, Shri H. P.
Pawar, Shri M. L.
Patil, Shri A. W.
Patil, Shri. B. A.
Patil, Shri H. L.
Pednekar, Shri K. S.
Probhoo, Dr. R. Y.
Balkrishnan, Shri S.
Brito Shri A. R.
Bhujbal, Shri C. C.
Mayekar, Shri R. G.
Mahale Shri Ganesh
Mungekar, Shri D. P.
Motorwala, Shri S. Z. A.
Mhatre, Shri P. A.
Rout, Shri V. B.
Rane, Shri N. T.
Laud, Shri R. P.
Vanu, Shri N. A.
Wadkar, Shri C. G.
Sharma, Shri C. C.
Shirke, Shri D. B.
Shaikh, Shri R. S.
Sheth, Shri G. H.
Sardar, Shri T. S.
Samant, Shri S. V.
Singh, Shri R. R.
Soni, Shri K. T.
Handore, Shri C. D.

Nalawde, Shri Datta
Nagvekar, Shri V. B.
Narvekar, Shri S. M.
Patel, Shri I. G.
Patel, Shri M. I.
Parab, Shri J. M.
Pawar, Shri R. D.
Patil, Shri K. R.
Patil, S. B.
Pande, Shri B. N.
Pote, Shri H. M.
Bastiwala, Shri K. A.
Birje, Shri M. D.
Bhanushali, Shri V. V.
Makwana, Shri I. M.
Mayekar, Shri S. V.
Mane, Shri Baburao
Mehta, Shri P. U.
Mote, Shri M. M.
Yadav, Shri S. B.
Raginwar, Shri R. W.
Raote, Shri D. N.
Laud, shri W. R.
Wagle, Smt. Pushpa M.
Walekar, Shir L. G.
Shah, Shri J. J.
Shinge, Shri S. M.
Shetty, Shri K. D.
Sayed, Shri M. H.
Sarmalkar, Shri S. K.
Sawant, Shri M. M.
Singh, Shri R. J.
Solanki, Shri V. L.
Hegde, Shri M. J.

Naik, Shri M. R.
Narkar, Shri R. P.
Nerurkar, Shri V. R.
Patel, Smt. Indumati T.
Padwal Shr C. S.
Pawar, Shri N. B.
Pandit, Shri A. G.
Patil, Shri B. H.
Patil, Shri H. K.
Purohit, Shri R. K.
Popat, Smt. Prabhaben
Boudhankar, Dr. R. N.
Belif, Shri M. M.
Bhave, Shri M. G.
Matreja, Shri S. M.
Mahadik, Shri Ganpat S.
Mishra, Shri S. M.
Mehta, Shri Noshir R.
More, Shir V. B.
Raut, Shri M. M.
Rane, Shri S. T.
Rambhiya Kum. Sushila K.
Lilani, Shri D. R.
Wable, Shri V. N. (Exp. on 13-3-91)
Vyas, Shri V. S.
Shirke, Shri G. G.
Shaikh, Shri A. A.
Shetty, Shri S. B.
Sarguroh, Shri Ishaqbhai
Satam, Shri N. T.
Sawant, Shri S. M.
Surve, Shri M. R.
Shroff, Shri B. N.

Administration Report 1989-90

The Municipal Goverment of Greater Bombay is controlled by the Bombay Municipal Corporation Act, which was originally decribed 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 disignation was further changed to The Bombay Municpal Corporation Act in 1950, when the limits of the Corporation were extended on the north to include a part of Salsette Taluk of Thana District and the area was called Greater Bombay. The area was further extended on 01.02.1957 and the Corporation is known as Municipal Corporation of Greater Bombay. In spite to more than 150 amendments to this basic statute over the last 117 years, the basic frame-wark of this act; in terms of distribution of powers and the roles of different statutory authorities and their 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 serve the civic needs of over 1,05,06,200 citizens by employing a work force of about 1,42,000 with a budgetory out-lay of Rs. 1200.33 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 the 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 and Sewerege, Development Plan of the City, Personned Administration etc. One of the Functional Deputy Municipal Commissioners is designated as the Director (Engineering Services & Projects).

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

The present Municipal Corporation came into Office after the eighth Municipal General Elections held 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 1982, obviously seems to be valid even now. As the resolution of 18th May, 1982 interalia 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 power, 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, the 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 elgher statutorily constituted, or constituted by the Corporation for specific purpose, 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 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, at the same time these authorities 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 & 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 with any executive or statutory authority. He is elected every year from amongst the Councillors by the councillors. His authority extends to calling the meetings of the Corporation and 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, is exalted and described as the "First Citizen of the City." The Mayor and the Chairman of various Committees are helped by an organisation 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 Committes viz.

1) Works Committee (City) 2) Work Committee (Subs.)

3) Public Health Committee 4) Market & Garden Committee 5) L.R. & G.P. Committtee

Ward Councillors meetings are held in the respective Ward Offices, presided over by the respective Zonal D.M.Cs. In the matter of Civic grievances and redressal thereof. Besides, the issue of change

In name of Roads, Streets and Chowks are screened in the Committee at the ward set up and the same is places before the Works Committee/Corporation.

An informal forum for deliberations is constituted in the form of the "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 oif propositions, which can be put before the Corporation or its statutory authorities for a formal sanction. This system was evolved soon after Independene, when the Municipal Corporation Elections came to be organised on the basis of political affiliation and by political parties. By established convention, 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 parties have their own Leader, who may or may not necessarily have a support of other opposition groups and is given the honour of Leader of the Opposition. However, unlike in the State Government where the party or the Group, which commands the majority of votes, is in charge of executive Administration in the Municpal 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.

A Bill to a various provisions of the B.M.C. Act and by the Goverment as Maharashtra on 27-04-1990 and the important anendments are as under :-

(1) Section - 28-G : Any person, who in connection with Election, direatly or indirectly, promotes or attempts to prenote feelings of enialty or hatred, between different clasees of the citizens of India on grounds of religion, race, caste, etc. is liable to be punished including imprisonment.

(2) The strength of the Standing Committee, Impovements Committee, B.E.S. & T. Cimmittee and the Education Committee is increased from 16 to 20, 9 to 12 and 16 to 20 respectively.

(3) The Municipal Commissioner is empowered to award contract if the Standing Committee does not consider and dispose of the proposal for awarding contract, other than the contracts under Chaptter IX and X of the Act, made by the Commissioner for its approval within sixty day from the date on which the item is first included in the Agenda of its meeting, the previous approval of the standing Comittee is deemed to have been given and the report to that effect is required to be made by the Commissioner to the Corporation.

At the same, time, the finanaial powers of the Commissioner to award contract without the approval of the Standing Committee is also enhaneed from Rs. 1 lac to Rs. 3 lacs.

(4) **Section - 92 :** This Section is amended whereby the Municipal Commissioner is empowered to dispose of the Immovable property belonging to the Corporation upto the value of Rs. 1 lac without the sanction of the Standing Committee.

(5) For the first time, the minimum line for each of the effence under the B.M.C. Act is preseribed.

(6) A new Section 520-c is added confirming power of the State Government to issue directives to the Corporation in public interest, after giving in opporturnity to the Corporation to make a representation before issuing each direction.

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 O. & M. Section, etc.

The main functions expected to be carried out by D. P. A. R. are; (i) to effectively control and provide a 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 and more public oriented and (iv) to strive to make continuous appraisal of existing procedures and methods.

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

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

(2) Formation of Committees at appropriate levels to consider matters regarding 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 etc.

(3) Revision of recruitment rules as required under the constitution and reservations for Backward Classes, Sportsmen, Handicapped persons and exservicemen 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 a general nature.

(5) The P. O. D. P. A. R. has introduced a new system of collecting the names of employees completing 55 years from the computor so that the departments concerned could be instructed by this office to initiate the proposals regarding the further continuation in Municipal Service beyond 55 years, well in advance. This system enables the D. P. A. R. to keep check over such proposals and avoid possible delay.

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

EXECUTIVE AND ADMINISTRATIVE OFFICERS IN MUNICIPAL COMMISSIONER'S OFFICE AS ON 31-03-1990

The designation & 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 posts were held by each of them are given below.

Sr. No.	Designation	Name of the Officer	Qualification	Period from to	Remarks
1	2	3	4	5	6
1.	Municipal Commissioner	Shri S. S. Tinaikar I.A.S.	M.A. (Bombay)	01-04-89 – 31-03-90	
2.	Additional Municipal Commissioner	Shri G.V. Gokhale I.A.S.	B.Sc., A.M.I.E.	01-04-89 – 31-03-90	
3.	Additional Municipal Commissioner	Shri. Venkat Chary I.A.S.	M.Com., L.L.B.	01-04-89 – 31-03-90	
4.	Director (Engineering (Services & Projects)	Shri. P.M. Kale	B.E. (Civil) A.M.I.E.	01-04-89 – 31-03-90	On leave from 1-6-89 to 30-6-89
		Shri. S.A. Rege	B.Sc., B.E. (Civil) M.E. (Civil)	01-06-89 – 30-06-89	Appointed on the leave of Shri P.M. Kale
5.	Dy. Municipal Commissioner (Personnel)	Shri A.B. Maduskar	M.Com. (Bombay)	01-04-89 – 31-03-90	
6.	Dy. Municipal Commissioner (Improvements)	Shri P.P Kamdar	B.A. (Spl.), B.Com., L.L.B.	01-04-89 – 31-03-90	
7.	Dy. Municipal Commissioner (Special Engineering)	Shri V.G. Savant	B.E. (Civil)	01-04-89 – 31-03-90	
8.	Dy. Municipal Commissioner (Engineering)	Shri R.G. Deshpande	B.E. (Civil), M.E. (P.H.) A.M.I.E., M.I.W.W.A.	01-04-89 – 31-03-90	
9.	Dy. Municipal Commissioner (Zone-I)	Shri S.R. Dange	B.A.	01-04-89 – 31-03-90	
10.	Dy. Municipal Commissioner (Zone- II & III)	Shri V.M. Joshi	M.Com., L.G.S. Diploma	01-04-89 – 31-03-90	
11	Dy. Municipal Commissioner (Zone -IV)	Shri G.R. Khairnar	B.Com.	01-04-89 – 31-03-90	
12.	Dy. Municipal Commissioner (Zone-V)	Shri D.C. Desai	B.Sc. (Agri.) Distn. L.L.B.	01-04-89 – 31-03-90	
13.	Dy. Chief Accountant (Personnel)	Shri V.S. Palekar	M.A., L.G.S.	01-04-89 – 30-06-90	Retired from service from 1-7-89 and said post discontinued
14.	Dy. City Engineer (Vigilance)	Shri V.S. Kale	B.E. (Civil)	01-04-89 – 31-03-90	
15.	Dy. City Engineer (Stores Vigilance)	Shri D.E. Krishnaswamy	B.E.	01-04-89 – 28-02-90	Retired from service from 1-3-90
16.	Executive Engineer (Mech. & Elec.)	Shri V.N. Rajas	B.E. (Elec.)	01-04-89 – 31-03-90	
17.	Personnel Officer	Shri V.S. Nadkarni	B.A. (Hons.) L.L.B. (Con.)	01-04-89 – 31-03-90	
18.	Dy. Personnel Officer (Backward Class Cell)	Shri V.S. Owal	B.A. (Spl.)	01-04-89 – 31-03-90	
19.	Dy. Personnel Officer (General)	Shri V.R. More	S.S.C., L.S.G.D. L.G.S.	01-04-89 – 30-06-89	Transferred P.O.(Estt.) 1-7-89
		Smt. V.B. Bavdekar	B.Sc.	01-07-89 – 30-07-89	On leave till 31-10-89
		Shri A.K. Upande	B.A.	26-09-89 – 31-03-89	

1	2	3	4	5	6
20.	Dy. Personnel Officer (Establishment)	Shri P.B. Adhikari	S.S.C., L.S.G.D.	01-04-89 – 30-06-89	Retired from service
		Shri V.R. More	S.S.C., L.S.G.D.	01-07-89 – 31-03-90	
21.	Personnel Secretary to the Municipal Commissioner	Shri R.V. Joshi	B.A., L.G.S., L.S.G.D.	01-04-89 – 31-05-89	Promoted as Dy. P.O. designated as Secretary to M.C. from 1-6-89
22.	Personnel Officer (Secretary to M.C.)	"	"	01-06-89 – 28-02-90	Retired from services from 1-3-90
23.	Personnel Secretary to Additional Municipal Commissioner (V)	Shri S.P. Dhamale	B.A. (Hons.) L.L.B.	01-04-89 – 10-04-89	Transferred as A.O. to DMC(Z-V) from 11-4-89
		Shri P.V. Deodhar	Inter Com., L.G.S.	11-04-89 – 31-12-89	On earned leave from 1-1-90 and retired from Municipal service from 1-3-90
		Shri P.S. Chitale	S.S.C.	08-01-90 – 31-03-90	
24.	Personnel Secretary to Additional Municipal Commissioner (G)	Shri R.T. Waghmare	B.A. (Hons.) L.L.B., L.S.G.D. L.G.S.	01-04-89 – 31-03-90	
25.	Administrative Officer (Committee)	Shri M.A. Joshi	B.A., L.L.B., L.G.S.	05-04-89 – 31-03-90	
26.	Administrative Officer to D.M.C. (Z-I)'s office	Shri H.T. kate	Inter Mediate	01-04-89 – 31-03-90	
27.	Administrative Officer to D.M.C. (Z-II)'s office	Shri S.G. Kunte	B.A.	01-04-89 – 04-04-89	Transfer to D.M.C. office from 5-4-89
		Smt S.V. Kole	S.S.C.	05-04-89 – 10-04-89	Reverted as O.S.
		Shri V.S. Joshi	S.S.C.	11-04-89 – 28-02-90	Retired fromMunicipal service from 1-3-90
		Smt P.S. Karnik	S.S.C.	01-03-90 – 31-03-90	
28.	Administrative Officer to D.M.C. (Z-II)'s office	Shri M.A. Joshi	B.A. (Spl.), L.L.B., L.G.S.	01-04-89 – 04-04-89	Transfer as A.O.(Comm from 5-4-89
		Shri S.G. Kunte	B.A.	05-04-89 – 31-03-90	
29.	Administrative Officer to D.M.C. (Z-IV)'s office	Shri A.V. Edvankar	B.A.	01-04-89 – 31-03-90	
30.	Administrative Officer to D.M.C. (Z-V)'s office	Shri V.S. Joshi	S.S.C.	01-04-89 – 10-04-89	Transfer to D.M.C.(Z-I) Office from 11-4-89
		Shri S.P. Dhamale	B.A. (Hons.) L.L.B.	11-04-89 – 31-03-90	
31.	Administrative Officer to (Removal of Encroachment)	Shri G.S. Kocharekar	F.Y. (Arts), L.S.G.D., L.G.S.	01-04-89 – 31-03-90	
32.	Administrative Officer to M.C.'s Office	Shri K.K. Sinkar	B.A.., L.G.S.	01-04-89 – 31-03-90	
33.	Administrative Officer to D.M.C. (P)	Shri N.S. Joshi	S.S.C.	01-04-89 – 31-03-90	
34.	Administrative Officer Marathi	Shri B.P. Desai	B.A. (Spl.) L.G.S.	01-04-89 – 09-03-90	Promoted as O.&M.C. from 10-3-90
		Smt M.M. Lad		10-03-90 – 31-03-90	
35.	Administrative Officer Complaints	Shri P.S. Chitale	S.S.C.	01-04-89 – 07-01-90	Appointed as P.S. to A.M.C.(V) from 8-1-90
		Smt S.V. Kole	S.S.C	08-01-90 – 31-03-90	
36.	Administrative Officer to D.M..C. (I)	Shri S.S. Mahaddelkar	B.A., L.G.S.	01-04-89 – 31-03-90	
37.	Administrative Officer (Hospital)	Smt S.S. Gondhalekar	B.A.	01-04-89 – 31-03-90	

1	2	3	4	5	6
39.	Adminstrative Officer Personnel	Smt V.B. Bavdekar	B.Sc.	01-04-89 – 30-06-90	On leave from 1-7-89
		Shri A.A. Pai	B.A., L.G.S., D.B.M.	23-08-89 – 30-10-89	Transfer to M.S.,G.T.B. from 31-10-89
		Shri V.N. Gaikawad	S.S.C.	31-10-89 – 31-03-90	Promoted as A.C. from 31-10-89
40.	Administrative Officer (Examination)	Shri P.K. Shringarpure	Matric, L.S.G.D. L.G.S.	01-04-89 – 31-03-90	
41.	Ward Officer (Mayor)	Shri S.T. Todsam	B.Com.	01-04-89 – 11-04-89	Transfer to W.O. (Nair) from 12-4-89
42.	Organisation and Methods Officer (Municipal Commissioner)	Shri B.P. Desai	B.A. (Spl.) L.G.S.	10-03-90 – 31-03-90	
43.	Ward Officer (Nair)	Shri S.T. Todsam	B.Com.	12-04-89 – 16-10-89	Transfer to W.O. from 17-10-89
44.	Ward Officer (Dharavi)	Shri S.T. Todsam	B.Com.	17-10-89 – 31-03-90	

Dy. Personnel Officer
(Establishment)

MUNICIPAL CORPORATION OF GREATER BOMBAY

Sr. W. O./W. O. upto 31st March, 1990

Sr. No.	Name	Designation	
1.	Shri R. B. Veturkar	Ward Officer	'A' Ward
2.	Shri N. N. Puppalwar	Ward Officer	'B' Ward
3.	Shri k. S. Mehta	Ward Officer	'C' Ward I/c
4.	Shri V. Balachandran	Sr. Ward Officer	'D' Ward
5.	Shri C. K. Ghone	Ward Officer	'E' Ward
6.	Shri D.R. Gujarathi	Ward Officer	'F/N' Ward
7.	Shri V.B. Pawar	Ward Officer	'F/S' Ward
8.	Shri M. C. Gandhi	Ward Officer	'G/N' Ward
9.	Shri M. D. Rajadhyaksha	Ward Officer	'G/S' Ward
10.	Shri A. N. Dube	Ward Officer	'H/W' Ward
11.	Shri C. R. Hirekar	Ward Officer	'H/E' Ward
12.	Shri M. D. Sharma	Ward Officer	'K/W' Ward
13.	Shri. S. R. Upadhyaya	Ward Officer	'K/E' Ward
14.	Shri A. Y. Kulkarni	Ward Officer	'L' Ward
15.	Shri I. L. Darji	Ward Officer	'M/W' Ward
16.	Shri V. Bidarkar	Sr. Ward Officer	'M/E' Ward
17.	Shri G. B. Prasad	Ward Officer	'N' Ward
18.	Shri M. S. Chavan	Ward Officer	'P/N' Ward
19.	Shri P. B. Deshmukh	Ward Officer	'P/S' Ward
20.	Shri D. D. Jadhav	Ward Officer	'R/N' Ward
21.	Shri S. B. Muthalia	Sr. Ward Officer	'R/S' Ward
22.	Shri V. T. Davare	Ward Officer	'S' Ward
23.	Shri V. B. Kadam	Sr. Ward Officer	'T' Ward
24.	Shri H. L. Gangwani	Sr. Ward Officer	(Markets)
25.	Shri S. P. Ghaste	Ward Officer	(Eastates)
26.	Shri N. B. Salunke	Ward Officer	(LTMG Hosp.)
27.	Shri A. U. Vaidya	Ward Officer	(KEM Hosp.) I./c.
28.	Shri V. S. Jadhav	Ward Officer	(Removal of Encroachment)
29.	Shri S. T. Todsam	Ward Officer	(Dharavi) P.S. to M.C.

CENTRAL CONTROL ROOM

The complaints section dealth with the complaints received in the Central Control Room b referring them to the departments concerned and following them up systematically to ensure prom redressal of the grievances. It remained open all the days of the year including Sundays and Holiday

The total number of complaints registered and followed up during the year under report wa 2814 as detailed in the - accompanying statement as against 2978 in the preceding year.

The section worked in close co-operation with the Fire Brigade and Water Supply Control Roo and ensured that in cases of house collapses and such other emergencies, the Municipal Officers an staff reached the site in time, to mitigate the hardships of the victims. Co-operation among variou agencies including Maharashtra Housing & Area Devpelopment Board was also brought about on suc occassions.

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 digs	Fire	Miscellaneous Carcass, Monkey etc.)	Flooding	Total
A	44	32	2	4	32	1	3	2	9	63	5	197
B	179	48	12	8	75	7	10	2	11	24	7	383
C	41	62	5	3	27	9	6	-	9	4	5	171
D	68	57	7	16	39	3	4	9	11	59	23	296
E	55	34	1	7	27	4	6	4	11	48	14	211
F/South	37	20	-	3	6	-	5	4	8	26	11	120
F/North	38	16	6	13	14	2	9	4	10	35	14	161
G/South	57	25	1	8	8	3	2	4	13	40	8	169
G/North	57	23	5	7	17	4	4	3	9	63	10	202
H/East	5	3	2	3	3	-	1	2	4	13	4	40
H/West	19	4	2	4	8	-	3	7	6	49	27	129
K/East	13	31	7	5	4	-	8	5	19	34	6	132
K/West	16	12	2	5	17	1	2	13	6	40	16	130
L	15	18	2	9	8	1	2	1	11	20	3	90
M/East	1	6	4	1	-	-	1	6	5	11	-	35
M/West	3	9	4	1	4	1	1	2	-	24	-	52
N	14	8	4	5	2	-	1	1	6	19	-	60
P/South	2	8	2	-	3	-	1	7	8	4	2	37
P/North	4	10	3	-	4	-	-	3	11	8	8	51
R/South	4	7	-	1	3	1	-	1	6	5	1	29
R/North	2	7	1	3	2	-	-	4	5	21	1	46
S	3	11	6	4	2	1	-	7	4	8	-	46
T	3	3	3	-	4	-	-	1	-	12	1	27
Total	**680**	**454**	**81**	**110**	**309**	**38**	**69**	**92**	**182**	**630**	**169**	**2814**

Complaints Officer
(Central Control Room)

Ward Officer 'B' Ward.

LIST OF MUNICIPAL OFFICERS

Sr. No.	Designation	Name of the Officer and Qualification.	Period from	to	Remarks.
1.	Municipal Chief Auditor	Shri A. K. Chitale, B. A., B. Com., Kovid.	01.04.89	31.3.90.	Through out the year
		Other Heads of the department			
1.	City Engineer	Shri S. A. Rege, B.E. (Civil), M.E.	01.04.89	31.03.90	Through out the year
2.	Chief Engineer (Roads & Storm Water Drains)	Shri P. B. Momin B. E. (Civil)	01.04.89	30.6.89	Transferred to City Engineer (Common Services) from 01.07.89
		Shri V. H. Kulkarni, B. E. (Civil)	01.04.90	13.09.90	
3.	Chief Engineer (Solid Waste Management)	Shri C. D. Kotnis, B. E. (Mech.)	01.04.89	31.03.90	Earned leave from 01.03.90 to 31.03.90 for 31 days. Resumed on 02.04.90. During his leave period Shri Panjwani, Dy. Chief Engineer (S.W.M) on charge allowance
4.	Chief Engineer (Development Plan)	Shri M. Y. Sabnis B.E. (Civil)	01.04.90	30.09.89	Retired from 01.10.89
		Shri V. Y. Kale, B. E. (Civil)	01.10.89	31.03.90	
5.	Chief Accountant	Shri S. M. Chandekar B. Com.	01.04.89	31.03.90	Through out the year
6.	Jt. Cheif Accountant	Shri D. P. Gokhale B.A., B.Com., L.S.G.D.	01.04.89	31.05.89	Retired from 01.06.89
		Shri V. K. Kadam, B. A. B. Com., LL. B., L. G. S.	01.06.89	31.03.90	Revertion for want fo provision from 03.04.90
7.	Hydraulic Engineer	Shri A. S. Paivernekar, B. E. (Civil)	01.04.89	31.03.90	Through out the year.
8.	Ex. Health Officer	Dr. (Smt.) Vinodini P. Desai. M. D. D. P. H.	01.04.90	31.03.91	Through the year
9.	Dean, K. E. M. Hospital & G. S. M. College.	Dr. G. B. Parulkar M.B.B.S; M.S; F.A.C.S; F.A.M.S; F.A.S.C.	01.04.89	30.11.89	Retired from 01.12.89
		Dr. (Smt.) P. M. Pai, M. D. Peadiatric D. Ch.	01.12.89	31.03.90	
10.	Dean, B. Y. L. Nair Hospital & T. N. M. College.	Dr. (Smt.) P. M. Pai, M. D. Peadiatric D. Ch.	01.04.89	30.11.89	Transferred to K.E.M. Hospital from 01.12.89
	Dean	Dr. (Smt.) V.M. Divekar, M. D., D. A.	01.12.89	31.03.90	--
11.	Dean, L. T. M. G. Hospital L. T. M. M. College.	Dr. S. V. Nadkarni, M. S.	01.04.89	31.03.90	Through out the year
12.	Dean, Nair Hospital Dental College	Dr. D. R. Shahani, M. D. S. M. R. S. H. (Eng.) F. I. C. D.	01.04.89	31.03.90	Through out the year.
13.	Chief Fire Officer	Shri D. J. Kulkarni, B. A. M. I Fire E (U. K.) Overseas Command (Morton In Marsh) B. A. Inst. (Lanc.) F. I. Fire Eng. (India).	01.04.89	31.03.90	Through out the year.

Sr. No.	Designation	Name of the Officer and Qualification.	Period from	Period to	Remarks.
14.	Medical Supot. (GTB Hospitals)	Dr. A. P. Rao, M.D. TDD, F.C. C. P. (USA) MIPHA (Calcutta)	01.04.89	31.03.90	Through out the year.
15.	Assessor & Collector	Shri N. M. Salunke, B. A. (Spl.).	01.04.89	31.03.90	Through out the year.
16.	Education Officer	Shri D. V. Dandawate, M. Sc. (Chemistry) Ist M. Ed. Ist class.	01.04.89	31.03.90	Through out the year.
17.	Law Officer	Smt. M. V. Shetty. B.A.LL.B.	01.04.89	31.08.90	Retired from 31.08.90 after office hours.
18.	Chief Engineer (Water Supply Project)	Shri M. K. Gokhale, D. C. E. A. M. I. E. Master of Engg (University of Roorkee in the field of Civil Engineering).	01.04.89	31.03.90	Earned leave for 30 days from 2.5.89 to 31.5.89. In his leave period Dy. Ch. Engineer (W.S.P.) had appionted as Ch. Eng. (W.S.P.) in charge
19.	Chief Engineer (Sewerage Project)	Shri V. N. Kharkar, B. E. (Civil)	01.04.89	31.03.90	Through out the year
20.	Chief Engineer Common Services.	Shri R. K. Awdhani B. E. (Civil)	01.04 89	30.06.89	Retired from 01.07.89
		Shri P. B. Momin B. E. (Civil), F. I. E.	01.07 89	31.03.90	During this leave period from 28.3.90 to 12.4.90 Shri B.V. Jamgaonkar Dy. Chief Eng. (Purchase) look after the work in addition to his own work.
21.	Controller of Stores	Shri N. S. Sangani. B. E. (Civil)	01.04.89	31.03.90	Through out the year.
22.	Supt. of Markets & Slaughter house.	–	–	–	The post was kept in abeyance.
23.	General Manager, Deonar Abattoir.	Dr. A. A. Padalkar, B. V. Sc.	01.04.89	31.03.90	Through out the year.
24.	Sr. Ward Officer (Markets)	Shri H. L. Gangwani B. E. (Civil), MIE (India) Chartard Engineer (Ind.)	01.04.89	31.03.90	Earned leave for 30 days from 2.1.90 to 31.1.90 (with L.T.A.) Reasumed on 1.2.90. During his leave period Dr. L.A. Paresh looked after his work.
25.	Administrative Officer (Enquiries) I/c.	Shri P. P. Lele, B. A.	01.04.89	31.05.89	Retired from 1.6.89
		Shri Y. P. Mone, B. A. LL.B.	01.06.89	31.03.90	
26.	Security Officer	Shri P. G. Vedpathak, B. A. (Spl.), L. G. S.	01.04.89	04.03.90	Earned leave from 5.3.90 to 6.4.90 with the benefit of L.T.A. and leave
	Security Officer I/C	Shri S. Y. Lokhande B.A. L.G.S.	05.03.90	27.03.90	Shri Lokhande was looking after the work of Shri Vedpathak S.O. he himself proceed on leave from 28.3.90 to 12.4.90 with the benefit of L.T.A.
	Security Officer I/C	Shri K.S. Sahastrabuddhe B.A. LL.B.	28.03.90	31..03..90	
27.	Ward Officer (Estates)	Shri S. P. Ghaste, B. A., LL. B.	01.04.89	31.03.90	Through out the year
28.	Labour Officer	Shri N. G. Kalme, M. A. (S. W.)	01.04.89	11.05.89	Earned leave from 12.5.89 to 15.6.89. Resumed on 16.6.89

Sr. No.	Designation	Name of the Officer and Qualification.	Period from	Period to	Remarks.
	Labour Officer I/C	Shri M. S. Phanse	12.06.89	15.06.89	Shri Phanse appointed in leave period of Shri Kalme on charge allowance
	Labour Officer	Shri N. G. Kalme M. A. (S.W.)	16.06.89	31.03.90	
29.	Public Relations Officer & Editor Civic Journal.	Shri J. B. Mahajan, M. A. LL.B.	01.04.89	31.07.89	Retired from 1.8.89
		Shri R. V. Joshi B. A. LL.B.	01.08.89	28.02.90	Retired from 1.3.90
			01.03.90	05.03.90	Post was vacant
		Shri D. B. Shivjatak B. A.	06.03.90	31.03.90	
30.	Addl. Assessor & Collector (Octroi)	Shri H. M. Shah, B. A. (Spl.), LL. B.	01.04.89	31.03.90	Through out the year
31.	Supdt. of Licences	Shri I. G. Desai, B. A. (Spl.) (L. G. S.)	01.04.89	31.03.90	Through out the year.
32.	Supdt. of Gardens Incharge.	Shri J. C. Garkhel B. Sc. (Hons.) Agriculture	01.04.89	18.05.89	Voluntary retirement from 19.5.89
		Shri K. L. Velodi,	15.05.89	31.03.90	
33.	Manager, Municipal Printing Press.	Shri M. M. Kamat, B. A., Diploma in Printing Technology, Diploma in Business Management.	01.04.89	31.03.90	Through out the year.
34.	Asstt. Medical Officer (ENT Hospital) I/c.	Dr. J. Z. Naik, M. B. B. S. M. S. (ENT)	01.04.89	28.08.89	He was on leave from 29.8.89 to 29.4.90
	Asstt. Medical Officer, (ENT Hospital)	Dr. A. C. Naik, M.B.B.S. M.S. (ENT)	29.08.89	31.03.90	
35.	Curetor, Dr. B. D. Lad Museum I/c.	Dr. (Smt.) M. S. Paranjpe, B. A. Ph. D.	01.04.89	31.03.90	Through out the year. The post of the curetor is vacant 1.4.89. Shri Paranjpe Astt. Curetor is looking after the same.
36.	Manager, M. G. M. O. Swimming Pool	Shri M. N. Gajane, S.S.C.	01.04.89	09.01.90	Transferred to Birla Kreeda Kendra from 10.1.90
		Shri P. S. Modak B.A (Spl.)	10.01.90	31.03.90	
37.	Manager, Raja Baldevdas Birla Kreeda Kendra.	Shri S. J. Babar B.A. (Spl.), L.S.G.D. L.G.S.	01.04.89	31.12.89	Promoted as A.O. (B.C. Cell) in M.C.'s Dept from 1.1.90
			01.01.90	09.01.90	Post was vacant
		Shri M. N. Gajne S.S.C.	10..01.90	31.03.90	

SUBURBS & EXTENDED SUBURBS

Sr. No.	Designation	Name of the Officer and Qualification.	Period from	Period to	Remarks.
1.	Dy. Executive Health officer (Western Subs.)	Dr. K.S. Dalal MBBS, D.Ph.	01.08.89	24.04.89	Promoted as Addl. Health Officer from 25.4.89
		Dr. J.V. Telang MBBS, D.Ph.	25.04.89	31.03.90	
	Dy. E.H.O. (Eastern Subs)	Dr. K. N. Khergaonkar MBBS, D.Ph.	01.04.89	30.04.89	Transferred as Dy. E.H.O. (National Programme) from 1.5.89
		Dr. S. A. Lalchandani MBBS, D.Ph.	01.05.89	31.03.90	
2.	Dy. Assessor & Collector (E. S.)	Shri P. D. Patkar S. S. C.	01.04.89	31.12.89	Retired from 01.01.90.
		Shri J. R. Chokshi S.S.C.	01.01.90	04.03.90	Expired on 5.3.90
			05.03.90	31.03.90	Post was vacant
3.	Dy. Assessor & Collector (W.S)	Shri B. K. Joshi, B. Com., L. S. G. D; L.G.S.	01.04.89	31.08.90	Retired from 01.09.90.
3.	Dy. Sudt. of Markets (W.S.) III	Shri B.V. Nevrekar, B.A. (Spl.), L.S.G.D. S.I., L.G.S.	01.04.89	30.04.89	Retired from 1.5.89
			01.05.89	17.06.89	Post was vacant
		Shri G. N. Malandkar B.A. L.S.G.D. S.I.	18.06.89	30.09.89	Retired from 1.10.89
			01.10.89	31.03.90	Post was vacant
	Dy. Sudt. of Markets (W.S.) IV	Shri V. G. Lagu B.A., L.S.G.D. S.I.	01.04.89	30.09.89	Retired from 1.10.89
			01.10.89	18.10.89	Vacant
		Shri A. Q. I. Shaikh S.S.C. S.I.	19.10.89	31.03.90	
4.	Dy. Sudt. of Market. (E.S.) V	Shri G.N. Malondkar B.A., L.S.G.D., S.I.	01.04.89	17.06.89	Transferred to Western (Sub.) office from 18.6.89
		Shri A. Q. I. Shaikh S.S.C. S.I.	18.06.89	18.10.89	Transferred to Western (Sub.) office from 19.10.89
		Shri K. V. Kondaji, S. S. C. S. I.,	10.10.89	31.11.89	Worked as Dy. Supt. of Market (E.S.) i/c
		— " —	01.12.89	31.03.90	Promoted as Dy. Supt. of Market (E.S.) from 1.12.89

PUBLIC RELATIONS DEPARTMENT

Administrative Report of Public Relations Department for the year 1989-90.

Shri J. B. Mahajan was Pulic Relations Officer and Editor, Brihan Mumbai Mahanagarpalika Patrika from 1st April 1989 to 31st July 1989.

Shri R. V. Joshi was Public Relations Officer (I/c) and Editor, Brihan Mumbai Mahanagarpalika Patrika (I/c) from 1st August 1989 to 28th Feb. 1990.

Shri D. B. Shivjatak was Public Relations Officer and Editor, Brihan Mumbai Mahannagarpalika Patrika from 1st March 1990 to 31st March 1990.

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 contained to liaison between the members of public and the different Municipal departments. The dissemination of information about the civic activities and the services rendered by different municipal departments had been a major activity of this department. The Information-counter of this department continued to give necessary guidance and information to the public in addition to carrying out the sale of various civic publications.

Press Notes, Handouts etc. : During the year under reference 764 press notes, and 5 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, typewritter etc. continued to be provided for the use of press reporters and media people. During the year 1987-88, Municipal Commissioner's six press meets for briefing the press on important issues were arranged. Two press visits to the Municipal insititutions and installations were also arranged to give information related to civic services activities and programmes, etc.

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

Production of Publicity Literature : The Civic Diary 1988 consisting of diary, useful civic information with ten colour phtographs 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, 89-90.

A special multi-colour booklet on Bombay Fire Brigade was also brought out on the occasion of the Centenary Celebrations of the Institution. Other publicity literatures such as folders and posters on various subjects such as Common House Gullies, civic measures against stray dogs, Census 1991, Save Water, Conservancy 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, 358 film shows/ slides & video shows on health, education, civic sense etc. were organised during 1989-90.

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

Protocol, Liaison and Exhibitions : Receiving the guests of the Corporation and arranging for their hospitality has been a major function of this department. During the year under reference, over

100 guests including Mayors, Commissioners and other top officials of the various municipal Corporations in India and abroad and other dignitaries were received by this department and extended to them hospitality by way of making their staying and sight-seeing arrangements.

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

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

The department also participated in the observance of the World Health Day, National Cleanliness Day, World Leprosy Day, Social Educations 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.

BRIHANMUMBAI MAHANAGARPALIKA PATRIKA

Administrative Report for the year 1990-91

In the monthly issues of the patrika various articles on civic activities, important Municipal Circulars and some of the items of the minutes of the Municipal Commissioner's meetings 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 otheir welfare.

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

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

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

BACKWARD CLASS CELL

The Backward Class Is headed by Deputy Personnel Officer (Backward Class Cell) which is under the 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 Depatment has 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 the reserved quota for B. Cs., etc., while six monthly return contains the number and names of B. C. candidates recruited and promoted during a particular six monthly period, the backlog of the B. Cs. etc. During the year of report, the quarterly returns upto the quarter ending 31- 12-1989 and six monthly report upto the period ending 30-06-1989 have beem submitted to the Govt. and the Corporation respectively.

During the year under report i.e. 1989-90. 607 proposals involving the question of reservation were scrutinized by this cell. 46 complaints and grievances of B.C. employees regarding recruitment, promotions, seniority,other concessions etc. were attended by this department.

Deputy Personnel Officer (Backward Class Cell) and his representatives have been served a member of Panel for recruitment and promotion to ensure the reservation of B.C. communities.

During the period under report, in order to implement the orders of the Supreme Court to give the deemed promotions to the B.C. employees of the Corporation with effect from 12.09.75 onwards, this department has issued instructions vide Circular No. MBC/8380 of.14.03.89 and the subsequent circular on the similar subject has issued vide Circular No. MBC/9586 of 06.09.89 and instructed to all the departments to calculate the reservation of posts for S.Cs. with effect from 21.05.74. However, the said circular is challenged and the matter is at present in High Court, Bombay. Simultaneously this department has submitted a D.L. to M.S. sending the general sanction to pay the arrears on account of demand promotions to B.C. employers for which Standing Committee Corporation have accorded their sanction vide S.C.R. No. 1286 dated 24.01.90, C.R. No. 1397 dated 13.03.90 respectively.

This department had collected the yearly report of backlog worked out on percentage basis in various cadres as on 31-12-1989 from all the departments and complied it. The position of backlog in recruitment in various cadres is given below :

APPENDIX-I

Statement showing the total number of posts in the various cadres in the Corporation and the total number of SC/ST/DT-NT & OBC employees appointed therein as on 31-12 1989 and their percentage of backlog.

Total No. of posts in the Corporation	Category of B. Cs.	Total No. of reservation on % basis	Actual persons appointed	% in total strength	% of backlog of B.Cs.
88072	S. C.	11449	20459	23.23	+ 10.23
88072	S. T.	6166	2927	3.32	- 03.68
88072	DT/NT	3523	17748	1.98	- 2.02
88972	O.B.C.	8807	8998	10.22	+00.22

N. B. : As per instructins of Govt. Sweeper Cadre is not compiled above.

APPENDIX-II

Statement showing the number of vacant posts as on 31-12-1989.

Category	Total posts	Filled in posts	Vacant posts
Superior Staff	47881	42897	4984
Labour Staff	71027	67276	3751

N.B. - Excluding Badlee/daily paid posts.

As per Government Instractions regarding upliftment of the sweepers in the initial stage, it was decided to sponsor 20 candidites of sons of sweepers working in the Conservancy Department of this Corporation for undergoing the training course in the trade of sanitary Inspectors.

Accordingly, applications were invited and after scrutiny only 13 candidates were found eligible to undergo the above training in the "Local Self Government Institute", Andheri. Out of 13 candidate has not reported to the Institute and hence 12 candidates have been completed their cource in the trade of sanitary Inspector at the above Institution for which the Corporation has spend about Rs.14,500/- expenses towards admission fees, examination fees, course materials etc.

In lieu of provision of 5% amount balance out of total Budget of the Corporation after meeting total expenses for the welfare of B.C. committes, it was decided to identify the project/Schemes on which the corporation spends considerable amount every year for welfare of B.C. communities. The said schemes/projects which have been identified are given below :-

1) Establishment : Unclean allowances are paid to the Sweepers-Halalkhore etc.

2) Slum Improvement : Amenities are provided for the Slum Dwellers such as schools, markets, etc. which are predominently occupied by the people.

3) Slum Upgradation Programme : Under the Bombay Urban Development Project, a scheme of Slum Upgradation Programme has been jointly undertaken by M.H.A.B.A. & B.M.C. The B.M.C. has undertaken upgradation work for twenty thousand huts situated on municipal lands. Generally, B.C. people are living in the slum areas of Bombay. The hutment dwellers are encouraged to improve their living condition. For this purpose, it has been propsed to grant House improvement Loans to Hutment Dwellers.

4) Schools : Text Books, Slates, nutritious food are provided to the primary students including B.C. students.

5) Housing : Individual Housing Loans & Loans to the Co-operative Housing Societies of the employees including B.C. employees are granted.

6) Welfare : i) Scholarship : Scholarships are awarded to the children of the municipal employee beyond 7th std. onwards including B.C. employees.

(ii) Welfare Centres : About 51 welfare centres are running by the Corporation for recreation activites for the municipal employees in Municipal Labour Colony were most of the employees are from B.C. communities. In welfare centres, the activities, Balwadies, tailoring courses for ladies etc. are carrying out.

7) Upliftment of sweepers : It has been recently decided to give training of Sanitary Inspector at L.S.G. Institute to the sons of sweepers working in this

Corporation. Initially 12 candidates are sponsored during the year 1989 and admission is sought. The corporation has beared total expenses about Rs. 14,500/- for this scheme.

It is proposed to include a separate appendix in the annual accounts to indicate on a rough and ready basis, the expenditure incurred by the Corporation on Scheduled Castes etc. It is reckoned that this will meet the requirement of the State Government in this regard.

The staff of B.C. Cell in the Governement of Maharashtra had visited the Corporation on 15th & 16.12.1989 and has inspected the roster, registers and relevant documents of 10 departments situated in the Municipal Head Office and they have given their overall satisfactory opinion about the same. The inspection report with few discrepancies recieved from the Government is being replied suitably.

Dy. Personnel Officer
(Backward Class Cell)

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 technical head designated as Dy. City Engeer (Vigilance). A Cell pertaining to Mechanical/Electrical , vigilance created is also placed under the control of Dy. C. E. (Vigilance). Similarly, the Municipal Material Testing Laboratory which was connected to the Roads Deparment has also been brought under the Administrative Control of Dy. C. E. (Vigilance) since 1988.

The organisational set up of this Cell is as under :–

Municipal Commissioner

Dy. City Engineer (Vigilance)

Engineering (A) Civil Vigilance Cell	Engineering (B) Mechanical/ Electrical Vigilance Cell	(C) Material Testing Laboratory (Worli)
3 Asst. Engineers	1 Ex. Engineer	1 Asstt. Engineer
3 Sub Engineers	2 Asstt. Engineers	3 Sub-Engineers
3 Clerical staff :	2 Sub-Engineers	1 Chemist
1 Clerk	2 Clerical Staff :	2 Lab. Attendants
1 R. A.	1 Clerk	2 Clerk
1. Jr. Steno	1 Steno	1 Peon
2 Peons	2 Peons	8 Labourers, Hamal and helper

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 prime function of this cell is to keep an overall check and vigilance over all the technical matter mainly pertaining to the Civil Engineering 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 constructions, water supply and sewerage project works and various maintenace works executed by the oward offices.

(b) Municipal Commissioner forwards complaints received from the public, Municipal Councillors, M. L. A. etc. for investigations and report from technical angle.

(c) Some of the Building Proposal files are scrutinised on receipt of the complaints.

(d) Dy. C. E. (Vigilance) also acts as an advisor to M. C. as and when desired by M. C., on all technical matter relating to Civil Engineering works and interpretations of relevant provisions of several statutory acts/rules/bye laws made thereunder.

(e) Dy. C. E. (Vigilance) 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 laying 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, descripancies, lapses, ommissions 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, Building 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 confirm to the specified standards etc. The cases of deviations/irregularities/lapses etc. are noted down and these observations are forwarded to the concerned department for taking remedial/corrective actions and proposing discipinary action against the contractors and the supervisory staff. This Cell submits report to Municipal Commissioner proposing remedial/corrective actions and penalties, rebates, warnings degradation of the contractors and the disciplinary actions against the supervisory staff depending upon the seriousness of the lapses. The Municipal Commissioner sometimes forwards the complaints received from the public, Municipal Councillors, M. L. A. etc. for technical investigation. This Cell investigates such cases and submits investigation report to M. C. with suggestions and replies to the complainant. Occassionally M. C. forwards the reports submitted by the Department Heads, for the remarks of Dy. C. E. (Vigilance) such cases are also scrutinized and remarks are forwarded for M. C.'s perusal.

The Building 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, Building Bye-Laws, B. M. C. Act, M. R. T. P. Act, B. M. R. D. A. Act, U. L. C. & R. Act. 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 confirm to the specified standard. This office pursues the cases of failure of the materials and often directs the concerned department to carry out tests such as load test, hammer test, etc.

The surprise element involved in the visits of the vigilance staff to various sites helps keeping the supervisory staff and contractors alert on the work to give better quality of work.

The technical scrutiny at random has also an element of surprise. The Building Proposal staff takes adequate care while dealing with Building Proposal files since noted failure in disposal of ceases 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 altertness 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 1989-90 are as under :

(1)	No. of inspections carried out	
	(i) Inspections of works	875
	(ii) Miscellaneous Inspection	281
(2)	No. of final bills checked	41
(3)	No. of cases received from the M. C./Addl. M. C. D. M. C's/Dir. (E. S. & P.)	124

(4) Amount of recoveries from contractors by way of rebates, penalties, sub-standard work detection of excess payments etc. Rs. 12,28,768=00

(5) No. of cases wherein Departmental Enquiries are initiated 3

(B) Mechanical/Electrical Engineering Vigilance Cell

(1) Main functions of the Cell

(a) The main functions of the Electrical and Mechanical Vigilance Cell is to keep overall check on the technical matters pertaining to Electrical and Mechanical Engineering works which are carried out by the various Electrical and Mechanical Departments in City, Eastern and Western Suburbs and outside the Brihanmumbai Mahanagarpalika limits. The works mainly include the operation and maintenance of electrical and mechanical installation, maintenance of Municipal vehicles, installantion of new machinaries by project department, repairs and maintenance of various articles in S. W. M. Department, Hospitals, Wards etc.

(b) Inspection of the complaints received from M. C., M. P., M. L. A. Municipal Councillors, Public and report thereof to Commissioner.

(c) This Cell also checks at random work-order book, specification sheets, final bills etc., for the electrical and mechanical works carried out by various departments.

(d) This Cell is also acts to initiate to comply the long pending cases such as rate schedule and suggestions incase of technical matters.

(c) Works 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 inspections are carried out to verify whether the works are being carried as per the specifications and drawings by using the material of approved quality and make. In case of irregualrities 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 submit the reports to M. C. proposing acctions taken pertaining to penalties, rebates, warnings etc.

(3) Prerformance of the Cell

Major works carried out during the year 1990-91 are as under :

(1) No. of inspections carried out -- 343 Nos.

(2) No. of final bills checked -- 210 Nos.

(3) Amount of recoveries from contractors by way of rebates, penalties, sub-standard work etc. -- Rs. 14,860=00

(4) No. of cases received from M. C., Addl. M. C./D. M. C./Dir. (E. S. & P.) -- 2 Nos.

(5) No. of cases wherein departmental enquiries are initiated-- Nill

(C) Material Testing Laboratory, Worli.

(i) Material Testing Laboratory, is under the control of Vigilance Department with effect from September 1988. 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 "Concrete Testing Laboratory" and the other as "Road Materials Testing Laboratory". The details of various tests carried out by the laboratory are enclosed in the accompanying tables. The extension of Laboratory building under construction at Worli will be completed by October this year 1991.

Administrative Report for the Year 1989-90 (1st April to 31st March)

(I) **Road Material Testing Laboratory :**

Particulars	No. of testes done on samples Rs	Amount of revenue Deptt. (a) Rs	Pvt. testing (b) Rs	Free (c) Rs	Total amoun worth worl don (a + b + c
Asphalt Mixes	13,010	28,200	13,600	5,17,000	5,58,80
Bitumen	54	2,400	30	450	2,88
Job Mix	479	24,400	2,900	7,180	34,48
Layer above	105	2,640	3,640	3,600	9,92
Samples	5	--	5,000	--	5,00
	13,653	57,670	25,180	5,28,230	6,11,08

Building Material Testing Laboratory

Particular	No. of Cases	Dept. Revenue (a) Rs.	Pvt. Revenue (b) Rs.	Govt. Revenue (c) Rs.	Loss of Revenue due to construction on to Govt. constructors (d) Rs.	Free Testing (e) Rs.	Total Work done a+b+c +d+e Rs.
Concrete Cement	8286	8,100	21,930	9,945	9,945	1,98,660	2,48,580
Beam	372	--	--	--	--	18,600	18,600
Bricks	1220	--	30,290	--	--	1,430	31,720
Cement	1662	1,00,380	--	--	--	15,960	1,16,340
Steel	242						13,350
Hire of mould							1,666
TOTAL							4,30,256

LABOUR DEPARTMENT

Administration Report of the Labour Office for the year 1989-90.

Highlights :

1) Expenditure	
(i) Establishment --	Rs. 15,07,877.36
(ii) Other than Estt. --	Rs. 45,38,142.55 (Including scholarship, Medical Aid, Immediate Cash Assistance)
2) Recognised Unions --	47
3) Joint Councils --	02
4) Welfare Centres --	52
5) Nurseries --	10
6) Grievances Attended --	32,687
7) Average daily attendance of welfare Centres. --	
(i) Adult --	6,000
(ii) Children --	6,300

Trade Unions :

The Trade Union acctivities among Labour and other staff members were mostly confined to 47 Unions/Associations recognised by the Municipal Commissioner and covers about 1.25 lac employees.

Industrial Relations :-

With a view to promote harmonious and cordial relations this departmnent 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 interprete these policies to the workers in the language they can understand.

(2) To watch Industrial Relations with a view to prevent Industrial dispute arising between management and workers.

(3) To advise workers against going on illegal strike and stoppage of work and to advise the administration to avoid illegal closer and retrenchment of employees and for taking actions after following due procedure of law.

(4) To establish good report and hold negotiations with the unions with a view to maintain harmonious relations between Administration and Unions.

(5) To bring to the notice of administration the individual as well as collective grievances of the employees for expenditious redressal of the same.

(6) To advise and assist the Administration for making provisions and amenities such as canteen, rest room, drinking water, medical aid, etc.

(7) To advise the Administration on questions relating to training of new entraints, apprentices, etc.

(8) To bring to the notice of the workers their rights and responsibilities under Standing Orders and other rules which grants rights to the workers.

Grievance Procedure :-

The periodical meetings of Grievance Committees at Unit Level, Zonel Level & Apex Level were arranged at different level to settle the labour problems as well as individual grievances of the employees of all the Deptts. and Wards.

Individual Grievances :-

The individual grievancces received from the individual employees or represented by the employee's unions or received through the Wards/Deptts. 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, confirmations & annual increments.

(3) Fines, reversions, suspensions, removal, dismissal and other punishments.

(4) Holiday policy, crediting the defference of holidays to the E.L. account of the concerned empleyees, payment of cash allowance in lieu of various articles, supply of uniform articles.

(5) Delay in payment of wages (wages of leave, O. T., L. T. A. etc.) and allowances.

(6) Delay in settlement of Provident Fund, Pension claims and other retirement benefits.

(7) Non-supply of equipments.

(8) Delay in sanctioning leave due.

(9) House Rent. accomodations and transfer of quarters.

(10) Preferential Treatment in employment.

(11) Payment of reimbursement of Medical Assistance.

(12) Working Hours.

(13) Qualifications

(14) Attaching allowance to certain posts.

Individual/Industrial Disputes :-

During the year under reports, 9 disputes were referred to Conciliation officer/Asstt. Commissioner of Labour and 04 disputes were referred to Industrial/Labour Courts (details are given in Appendix 'A'.) 7 disputes were referred to Industrial/Labour Courts (details are given in Appndix 'B').

Scholarship to the children of Municipal employees :-

As per D.M.C. (P)'s orders under No. MPR/6195 of 17-5-88, a circular inviting applications for grant of scholarship to the children of Municipal employees securing 50% and more marks has been transferred to this department bring a welfare activity which was being done by the Estt. officer. Hence both the schemes of schelarship i.e. schelarship to these children of Municipal employees who secure 50% and more marks and to these who secure less than 50% marks at Secendary Schools or in the Colleges, have been amalgamated and a common circular for both the scholarships is issued by this department. The cases of delay in submission of applications are also dealt with by this department.

There was a provision of Rs. 33,50,000/- in the Budget Estimate for year 1989-90 for the purpose of grant of scholarship. The total amount of scholarship paid was Rs. 31,76,875-20.

Immediate Cash Assistance :-

Under the schemme for granting Immediate Cash Assistance of Rs. 500/- to the direct dependents of Municipal employees who dele while in senice there was a prevision of Rs. 6,00,000/- in the budget estimate for the year 1989-90 and the amount of Rs. 2,14,000/- was incurred during the year under report. Thus 428 dependents of the ex-employees have been given the benefit of this scheme.

Medical Assistance Scheme for Municipal employees :-

Under the above scheme for granting medical aid to the Municipal employees from Labour Welfare Fund, 213 Municipal employees were given financial assistance.

Inter Ward/Departmental Drama Competition :-

13 Wards/Departments took part in the Inter Ward/Deptt. Drama Competition held at Birla Kreeda Kendra at Chowpaty from 13-2-90 to 4-3-90.

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, the best Director, the best Background Music, the best Setting and the best Lighting. 20 canselation 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	:	"Smaran Shila", Dy. A. & C. (Octroi)
2)	Second Prize for Drama	:	"Kalakhachya Savlya", H. E.
3)	Third Prize for Drama	:	"Hands up", M. C. A.
4)	The Best Actor	:	Shri Dattakumar Desai, H. E.
5)	The Best Actress	:	Smt. Pratibha Patil, M. C. A.
6)	The Best Director	:	Shri Manohar Surve, A. & C. Deptt.
7)	The Best Setting	:	Shri Deepak Padte, A. & C. Deptt.
8)	The Best Lighting	:	Shri Uday Satam, A. & C. Deptt.
9)	The Best Music	:	Shri Ramesh Kamble, C. E.

Recruitment of Telephone Operator :-

The Work of recruitment, promoption and confirmation of Telephone Operators is entrusted to this department.

During the year under report.

1) 05 Telephone Operators 'B' Grade were appointed.

2) 18 Telephone Operators 'B' Grade are promoted to the post of Telephone Operator 'A' Grade.

Recruitment of P.T. candidates :-

The following number of cases of Preferential Treatment for employment are sanctioned by Labour Officer in the year under report.

Labourer –	184
Ayah/Sweeper/Hamal –	211
School Peon (Female) –	81
Clerk –	31
Office Peon (Male) –	69
Office Peon (Female) –	7
Sub-clerk –	47
Cleaner –	3

WELFARE BRANCH

52 Welfare Centres are run by this department and on an average attendance of the adult male/female participants and children at different Welfare Centres is about 12400. The activities conducted regularly at the different welfare centres are as under :-

For Women/Girls	:	Sewing, emroidery, knitting, cooking, handicraft, Indoor and outdoorgames, music, dance.
For Boys & Adults	:	Indoor & 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 & Competitions :-

Volley Ball, Carrom, Kabaddi, Table Tennis, Boxing, Rangoli, Folk Dance, One Act Play, Elocution & Fancy Dress competitions were held during the year under report.

(II) Film Show :-

Documentary and full length feature films of the Educational and Social importance were shown at the different welfare centres during the year when other functions were not there.

Different functions :-

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

(B) Haldi Kumkum.:- Haldi Kumkum function was organised at 48 Centres.

(C) Buddha Jayanti function was organised at 13 Welfare Centres.

(D) The National Days such as Republic Day & Independance Day were celebrated at all Welfare Centres.

Balwadies :-

10 Balwadies are conducted at the following Welfare Centres :-

1) Bapty Road Welfare Centre
2) Palton Road Welfare Centre
3) Colaba Welfare Centre
4) Dadar Welfare centre (Gujarati)
5) Dadar Welfare Centre (Marathi)
6) Chembur Welfare Centre
7) Fire Brigade Welfare Centre
8) Cochin Street Welfare Centre
9) Worli Asphalt Welfare Centre
10) Vaitarna Welfare Centre

Nearly 500 Children of Municipal employees have taken advantage of the Balwadies.

Excursion foir Nursing Staff :-

Excursion to Jaipur, Udaipur was organised during the period from 23-3-90 to 6-4-90. Total 50 Nurses from different hospitals and maternity homes participated in the excursion.

Girl Guide :-

The guides residing at different Welfare Centres have taken part in the following activities.

(1) Tree Plantation Programme

(2) First Class Training

(3) Patrol Leaders Training

(4) Scout Guide Week

(5) Anand Mela

Provision of Television Sets :-

42 Welfare Centres are provided with the television sets for the use of participants at welfare centres under the contributory Community T.V. Scheme in the year under report through the Director of Rural Broadcasting, Govt. of Maharashtra.

JOB EVALUATION

The work of conducting interviews of Artisan/Technical, Clerical, Paramedical/Nursing and Teaching categories is completed. The work of verifying Job Descriptions by the Sub-Committee Members is nearing completion. During the perlod from April 1989 to March 1990 meetings of the various Committees were held as detailed below :-

Sr. No.	Name of the Committee	No. of meetings
1.	Apex Panel	8
2.	Steering Committee	13

As per the decision taken in the meeting of Apex Panel held on 4-6-90 copies of 6368 job Descriptions were handed over to Unions to give their comments. It has also been decided in the meetings of the Apex Panel held on 4-6-90 that the National Productivity Council will start pilot rating of the above categories and submit 2/3 alternatives to the Apex Panel so as to finalise rating. The Job Evaluation exercise will be of participative nature and not unilateral. The action Plan II suggested by the National Productivity stands modified i.e. the Job Evaluation study of Artisan/Technical, Clerical, Paramedical/Nuring and Teaching cate gories will be completed upto March 1991 and thereafter the Job Evvaluation Study of Supervisory and Executive categories will be taken in hand and completed upto March 1992. The work of combination of jobs, preparation of combined Job Description and rating is in progress.

In view of the above, proposal to grant extention to National Productivity Council Consultants for the job upto March 1992 is being put up to the Standing Committee for sanction.

Labour Officer
D.P.A.R.

APPENDIX 'A'
April 1989 to March 1990

Authority	Subject	Remarks
1. Conciliation Officer/ Asstt. Commissioner of Labour	Reservation for the children of Municipal employees (Municipal Worker's Union) LO/38	Union's demand to keep reservation in recruitment not admitted for conciliation, hence closed.
2. —"—	Application from Shri Ganpat Lad - reinstatement in Municipal Service.	The Conciliation officer recorded the proceeding as failure and he has submitted a report to Govt. of Maharashtra.
3. —"—	Application from Shri Shivran B. Waghela, H. S. Deptt. for Reinstatement.	— " —
4. —"—	Application from B. R. Yewale, Pharmacist, Kurla Bhabha Hospital - Reinstatement in B.M.C. Service.	— " —
5. —"—	Notice of change under Section 9A of the I.D.Act 1947 Change in duty hours of Drivers & Cleaners in Meat Van Garage.	Permission granted by the Conciliation Officer.
6. —"—	Notice of change under section 9A of the I.D. Act 1947	Pending before Conciliation Officer.
7. —"—	Introduction of payment of wages through Bank (Municipal Workers' Union)	Complaint withdrawn by the Union.
8. —"—	Change in rules for granting benefit of exemption in the papers II & III for the various promotional posts i.e. Head Clerk, Dy Supdt. etc.	Pending before Industrial Tribunal.
9. —"—	Bombay Municipal Executive Staff Union :- to add certain categories of exployees in Abritration.	The Conciliation Officer recorded the proceeding as failure and he has submitted a report to Govt. of Maharashtra.

APPENDIX 'B'

April 1989 to March 1990

Authority	Name of the union/exployee	Subject	Remarks
1) Industrial Tribunal	Shri R. D. Desai	Approval application under Section 33 (2) (b) of the I.D. Act	Pending before Tribunal
2) —"—	Municipal Mazdoor Union	Renstatement application of Telephone Operator 'B' Grade in Municipal Service	—"—
3) —"—	Bombay Labour Union	Abserption of employees of the excanteen controctor in Municipal service	—"—
4) —"—	U. L. P. Application	General Strike of the 'Municipal exployees	Injunetion order granted
5) —"—	U. L. P. Application	Strike of the exmloyess of the Conservancy branch of G/N, H/W	Pending befoe Tribunal
6) High Court	Municipal Mazdoor Union	Repres intation from M.S.Ws for the post of Asstt. Labour Officer	Petition rejected.
7) High Court	Municipal Mazdoor Union	Appeal egainst Tribunal orders in the case of Telephone Operators	Petition rejected.

Administration Report of the Labour Officer for the year 1989-90.

(1) (ii) The name & qualification of the Head of Deptt. who held the post during the year 1989-90 stating whether the head of deptt. was on leave during the year from 1-4-89 to 21-3-90.

Sr. No.	Designation	Name of the Officer	Qualification	from - to	Remarks
1.	Labour Officer	Shri N. C. Kalme	M.A.(S.W.)	1-4-89 to 11-5-89	On earned 12-5-89 to 15-6-89 Resued the Duty 16-6-89
2.	Labour Officer I/C.	Shri M. S. Phanse	B.A. (Hons.) M.L.W.& I.R.	12-5-89 to 15-6-89	Charge Allowance paid to Shri Phanse of Shri N. G. Kalme, Labour Officer. The working arrangement discontinued from 16-6-89 on account of resumption by Shri N.G. Kalme, L.O.
3.	Labour Officer	Shri N. G. Kalme	M.A. (S.W.)	16-6-89 to 31-3-90	

Labour officer
D.P.A.R.

LEGAL DEPARTMENT

ADMINISTRATION REPORT - 1989-90.

Legal Department deals with all the litigation filed by or against the Corporation in various Courts and Tribunals. In addition to this, Legal Deptt. gives opinion to various departments of the Corporation on the references made to it. Legal Department also does the work of drafting Conveyance and other Legal documents. It also deal with all other legal matters pertaining to the Corporation.

The details are given below :-

Sr.No.	Matters.	Outstanding at the close of last year	Received during the year under Report	Total	Disposal during the year under Report	Balance. at the end of the year under report
(1)	(2)	(3)	(4)	(5)	(6)	(7)
I	SUPREME COURT.	2265	45	2310	13	2297
II	HIGH COURT.					
1.	First Appeal	430	47	477	6	417
2.	Appeal From Order	631	131	762	225	537
3.	Letters Patent Appeal	22	9	13	7	6
4.	Civil Applications	470	325	795	248	547
5.	Civil Regision Applications	45	38	83	26	57
6.	Writ Petition (Appellate Side)	282	88	370	20	350
7.	Long Cause Suit	218	27	245	7	245
8.	Arbitration Suit	16	10	26	1	25
9.	Insolvancy Petition and Company Petitions.	105	1	106	-	106
10.	Appeal Before Division Bench	318	533	851	309	542
11.	Writ Petitions (Original Side)	2644	522	3166	188	2978
12.	Chamber Summons, Original Side including Division Bench	27	9	36	5	31
13.	Notice of Motion	210	42	252	28	224
14.	Andhra, Hydrabad, Delhi/Madras and Aurangabad High Court.	1	—	1	—	1
15.	Delhi High Court	—	—	—	—	—
16.	Madras High Court	1	—	1	—	1
17.	Bilaspur Civil Court	1	—	1	—	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
18.	Pauper Petition	—	...	—	...	—
19.	Suo Moto Petition	—	—	—	—	—
20.	Review Patition	2	—	2	—	2
21.	Land Acqisition Reference.	37	—	37	—	37
III	**CITY CIVIL COURT**					
1)	Suits filed against the Corporation.	6753	2573	9326	1007	8319
2)	Suits filed by the Corporation.	54	1	55	—	55
3)	Misc. Appeal	8	45	53	41	8
IV	**SMALL CAUSES COURT**					
1)	Suits filed by the Corporation	37	1	38	8	30
2)	Suits filed against Corporation	286	26	312	50	262
3)	Garnishee Notices	9	15	24	9	15
4)	Notice in Suits	14	25	39	10	29
5)	Full Court Appellants & Appeals	4	11	15	3	12
6)	Licence and set back Appeals	70	12	82	30	52
7)	Appeal against rateable value	1033	163	1198	375	823
8)	Municipal References	199	44	243	60	183
	(B)					
	Labour Court Application under (ULP) and Compensation Application.	202	70	272	75	197
	Motor Accident Claims Tribunal	140	30	170	25	145
V	**POLICE COURT (High Court)**					
1)	Criminal Appeal	39	1	40	1	39
2)	Writ Petition	8	6	14	2	12
3)	Criminal Application	37	7	44	8	36
4)	Criminal Revision	4	3	7	1	6
	SESSION COURT.					
	1) Criminal Appeal	1	1	2	-	2
	2) Criminal Revision	23	10	33	14	19

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	METROPOLITAN MAGISTRATES COURTS.					
1)	Shops & Establishments Act	98	—	98	2	96
2)	Cr. P. C.	10	—	10	3	7
3)	I. P. C.	54	—	54	1	53
4)	P. F. A. Act.	84	5	89	8	81
5)	Sec. 513 of B. M. C. Act. Against B.M.C.	26	3	29	2	27
6)	Sec. 441- of B. M. C. Act.	20	24	44	1	43
7)	Lunatic	3	—	3	—	3
8)	Tree Cutting.	19	10	29	2	27
9)	Providend Fund	25	2	27	6	27
10)	Charity Commissioner	4	—	4	2	2
11)	Lok Ayukta	3	—	3	1	2
12)	Octori	16	99	115	31	84

Cases filed by B.M.C. in the Metropolitan Magistrates Court No. 39th, 41st and 42nd and disposed during the year 1989-90 with recovery of fine and monthly average of the same respectively.

WARD	Previous Balance	Filed during year.	TOTAL	Disposed during year.	Balance	FINE. Rs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A.	476	1089	1565	877	688	1,60435
B.	183	1323	1506	880	626	3,22,185
C	3153	2134	5288	1177	4110	2,85,030
D	4601	1981	6582	1397	5185	2,76,680
E	2167	2814	4981	1879	3102	5,63,138
F/N	863	696	1558	829	729	1,38,125
F/S	2152	802	2954	793	2161	2,18,232
G/N	2435	2395	4830	1192	3638	3,28,485
G/S	1140	1460	2600	1450	1150	5,48,597
H/E	920	394	1314	481	833	1,16,735
H/W	559	1099	1658	953	705	1,57,235
K/W & K/E	7406	5802	13208	5962	7246	12,05,625
L	2117	2336	4453	1509	2944	6,43,745
M	5591	1695	7289	602	6684	2,04,895
N	1957	932	2889	495	2394	1,24,507
P/N	1023	2092	3115	2158	957	4,27,470
P/S	2349	3201	5550	2298	3252	6,86,065
F/N	814	2837	3651	1438	2213	3,44,710
F/S	1187	1592	2779	1117	1662	5,00,620
S & T	3499	2155	5654	1379	4275	3,99,600
TOTAL:	**44592**	**38828**	**83420**	**28864**	**54556**	**76,52,114**

Previous Balance	44,592
Cases filed during the year 1989-90	38,828
T O T A L :	**83,420**
Cases disposed during year the 1989-90	28,864
B A L A N C E:	**54,556**
Total fine recovered during year 1989-90	Rs. 76,52,114/-
Monthly average	
Cases filed	3219
Cases disposed of	2405
Fine recovered	Rs. 6,37,676/-

Sr. No.		Ourstanding	Received	Total	Disposed	Balance
	MUNICIPAL ENQUIRIES COURT					
1.	Cases pending as on 1.4.89	—	—	—	—	2127
2.	Cases received during the year i.e. from 1.4.89 to 31.3.90	—	5341	—	—	—
3.	Total cases dealt with during the year i.e. from 1.4.89 to 31.3.90	—	—	7668	—	—
4.	Total cases disposed off during the year	—	—	—	6238	—
5.	No. of cases pending as on 31.3.90	—	—	—	—	1430

SEARCH SECTION.

1.	Deed of Conveyance and Agreement (F.S.I.)	417
2.	Certificate of Sale	1
3.	Deed of Confirmation	4
4.	Agreement	71
5.	Deed of Trust	3
6.	Deed of Lease	5
7.	Indemnity Bond	25
8.	Cases for Compensation for Set Back (Sub.)	138
9.	Cases for compensation for set Back (city)	31
10.	Advice for matters in respect of Stamp Duty, Set back, Agreement, Lease, P.F. Claims etc.	3011
11.	Indenture of Deed of Mortgage, Deed of Receipt (Municipal Corporation Housing Society)	25
12.	Further charge (Municipal Corporation Housing Society)	5
13.	Appeal matter before Supdt. of Land Record.	4
14.	Appeal Matter before Competent Authority O.L.C.	1
15.	Individual Loan scrutinised files	358
16.	Surety Bonds and Change of Sureties	497
17.	Agreement to Mortgage	179
18.	Deed of Mortgaga (Individual Loan)	20
19.	Assignment	15
20.	Indemnity Bond	31
21.	Draft Lease.	7
22.	Draft Licence & Deed of Covenants.	35
23.	Power of Attorney	10
24.	Probate	14
25.	Declaration.	3
26.	Letter of Administration.	2
27.	Draft Licence to Assign.	35
28.	Release Deed.	3
20.	Rectification.	4
30.	Conveyance	2
31.	Consent Decree	5
32.	Gift Deed	3
33.	Partition	3
34.	Appointment of New Trustees and settlement	7
35.	Partnership & Retirement	4
36.	Legal Notices.	35
37.	Opinons of Mortgage Deed and further charge, Notices for breach of Mortgage conditions, Notices, Order for Appointment of Receivers, any other matter or disputes etc. (Societies Formed by the Municipal Employees)	40
38.	Total Receipts.	703
39.	Opinion of reference from department & Parties.	350
40.	Opinion on documents and drafting documents, Legal Notices for approval.	313

CENTRAL STORES DEPARTMENT

The Central Stores Department acts as a Central Purchasing and Stores Agency of the Municipal Corporation of Greater Bombay (M.C.G.B.) for procuring, storing and supplying various store items to the Municipal Departments. There are about 299 different annual schedules covering about 2525 items of recurring demends. 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 the dealers known to have been dealing in the line. The stores are issued against indents received from the consuming departments. For some schedules, 'Direct Debit' contracts are awareded wherein purchase orders are placed directly by the consuming departments and with the contractors appointed through the stores department and approved by the competent authorities as per the B.M.C. Act.

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

(I)	Establishment -	Rs. 40,95,935.00
(II)	Advertisement -	Rs. 1,88,742.00
(III)	Printing & Stationary -	Rs. 42,439.00
(IV)	Miscellaneous - Viz. Clothings, Books and Dead Stock, Electricity & Telephone Charges etc. -	Rs. 1,47,465.00
(V)	Maintenance & Repairs -	Rs. -NIL-

Druing the year under report, in all 151 tenders were invited by public advertisement and 71 quotations were invited by sending circular letters for procurement of various stores.

In all 207 contracts were executed with the suppliers and 811 purchase orders were placed on approved contractors. Penalties were also recovered from their bills for delayed supplies. Action was initiated against the defaulting suppliers from time to time and in all two contractors were black-listed for defaults during the year.

Totally 14600 indents were received from the various Municipal departments for issue of various store articules out of which 11900 indents were admitted for issue of sotres.

In all 3542 sales mema were received during the year for issue of cement and casting articles to the Municipal works contractors appointed by the Engineering department.

The Main Stores Accounts are computerised on live run basis from 1.4.1988 and the ward Engineering stores are computerised on live urn basis from 1.4.1989.

The information about the Head of the Department who held the post from 1-4-1990 to 31-3-91.

Sr. No.	Designation	Name of the Officer	Qualifications	Period From	To	Remarks if any
1.	Controller of stores	Shri N. S. Sangani	B. E. (Civil)			He was on leave 5to 17.3.90 with benefit Sunday on 4.3.90 and 18.3.90 L.T.A. For 1988-90. No substitute arrangement was made during this leave period and the work was managed departmentally.

For Controller of Stores.

ADMINISTRATIVE OFFICER (ENQUIRIES) YEAR 1989-90

The department of Administrative Officer (Enquiries) is Central Agency for investigation into complaints of lapses of municipal exployees and conducting Departmental Enquiries against delinquent employees is the major funcion of the department.

The department is headed by the Administrative Officer (Enquiries) who was assisted by 4 Dy. Administrative Officer (Enquiries), 9 Chief Inspectors (Enquiries), 42 Inspectors (Enquiries) and other administrative staff during this year 1989-90.

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 649 investigations, paid 637 surprise visits to various municipal institutions and mustering places and disposed 5563 cases of miscellaneous nature.

The datails of investigation are as under :-

(a)	Cases of alleged acceptance of illegal gratifications and misappropriation of municipal money	23
(b)	Cases of irregularities of major nature	208
(c)	Cases of irregularities of minor nature	418

The details of action taken are as under.

1) Dismissal	5
2) Removal	13
3) Demotion	6
4) Withholding of increment	55
5) Fines imposed	23
6) Censure, Caution and warnings	102
7) Suspension for 3 days	2
8) Recovery on account of loss to the Corporation	16
9) Exonerated of the charges as the charges are not proved.	13

SALIENT FEATURES

1. Detection of three 1" each anauthorised water connections reading from 79 to M/s Hotel Regal Palace and two centre owned by Central Government authority in the same building premises in Supariwala Estate at Tata Road No. 1, Hotel Regal Palace, Opp. Roxy Cinema which were cut off by A.E.W.W.'D' Ward on 31.3.89 without recovery of water charges bills. The matter regarding issue of water charges bills for the three connections is being finalised by H.E.'s Department.

2. Suprise raids were arranged and carried out by intercepting the vvehicles, 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 reault of such relds an amount of Rs. 1,16,465/-

towards the octroi duty was recovered at the instence of this department.

3. Detection of use of municipal water for construction purpose without apropriate permission from corporation by owner of M/s Hotel Regal Palace for repairs/additions, alterations to the property carried out from 1979 to 1982. Therefore, H. E.'s Department preferred extra water charges bills amounting to Rs. 52,353/- on 22.6.90 at the instance of this office.

4. Detection of anauthorised construction of admeasuring 501.35 sq. meters in R.C.C. instead of with conventional interial permitted previously by Hotel Regal Palace and convversion of flower beds, architectural features in belonies admeasuring 115.05 sq. meters by the owner of Hotel Regal Plance.

5. Investigations in respect of misuse of 'N' form facilities were carried out and as a result of which an octroi recovery Rs. 6,78,575.92 was effected.

6. Unauthoriseduse ares of 539,2532 sq. mtrs. without any valid licence H 'D' Ward.

Total area	1256.0513 sq. mtrs.
Lic area	0716.7981 sq. mtrs.
Area without Lic.	0539.2532 sq. mtrs.

7. The matter of unsuthorised 3 structures at 30 Ahmedabad Street, 43 and 45 Baroda Street was investigated and as a result the said structures were demolished.

Administrative Officer (Enq.)
In-charge

Report of Departmental Enquiries for the period from 1.4.1989 to 31.3.1990

1.	D. Es. outstanding as on 1.4.89	226
2.	D. Es. received during 1.4.89 to 31.3.90	205
3.	D. Es. disposed during 1.4.89 to 31.3.90	238
4.	D. Es. outstanding as on 1.4.90	193
5.	Classification of outstanding D. Es. as on 1.4.90	

Within one year	Over one year
114	79

Administrative Officers (Enq.) Year 1989-90

Sr. No.	Designation	Name of the Officer	Qualification	Period	Remarks
1.	Administrative Officer (Enquiries)	Shri. P.P. Lele	B.A.	1.4.89 to 31.5.89	Superannuated from 1.6.89
2.	– " –	Shri. Y.P. Mone	B.A., LL.B.	1.6.89 to 31.3.90	

(sd/-)
Administrative Officer (Enq.)
In-charge

BOMBAY MUNICIPAL SECURITY FORCE

SALIENT FEATURES :-

I - Income & Expenditure

(I)	Imcome	20,16,082	
(II)	Expenditure	8,70,25,921.30	Establishemt
		48,82,565.00	II-Contingencies

From the year 1984 Departmental Enquiries in respect of emplyees of other deptts. orders on the basis of P. s. conducted (Enquities). However, the Departmental Enquiry against the employees of Security Deptts. are conducted by Dy. Security Officer of this Deptt.

I	Preliminary Enquiries completed	275
II	Thefts etc.cases reported	365
III	Value of Municipal property involved	3,94,618.90
IV	Cases detected	73
V	Value of property recovered	62,588.15
VI	Formation of Security Cell for W.S.&S.D.	

Departmental Information :-

There are 3553 Men working on the Establishment of Security Force. A separate Sacurity Force wing guarding the installation of Water Supply & Seweage Department has been formulated. However, both the Security Wings are under the overall control of the Security Officers.

The administration of the department is now decentralised in four Zones i.e. Cly, Eestern Subs, Western Subs & Central Zone headed by the Dy. Security Officers.

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

The Security Assistants have completed 275 Praliminary Enouiries during the year in the cases of desartion of duty, sleeping while on duty, unauthorised absentee from duty for long periods theft, pilferages and assaults etc.

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

	Total no. of cases	Property lost	Cases detected	Property recovered
Hospital	52	15,793,75	22	12,428.75
Others	313	3,78,825,15	,51	50,159.40

The Security Force has also been angaged in special bandbast of Corporation meeting at the Corporation Hall. The Officers of the Security Force are called on speical duty round the clock of emergencies like strikes, bundh etc.

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

Recently this department has started as full-fledged training school at Shandup Complex, Bhandup where the new racruits and regular security guards and officers are imparted with full-fleged training in the line of paremilitary forces. At the some time the new scheme of recruitment on stipend basis has been introduced in this department. In addition to that new task force has been constituted where 100 security guards are working for recoval of ancroahment.

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

There are 3718 Men working on the Establishment which includes Officers, Subordinates and Labour Staff.

(S. R. Dange)
Dy. Municipal Commissioner (Z-I)

MUNICIPAL PRINTING PRESS

Highlights :-

1. **Expenditure :-**
   - (a) Establishment — Rs. 1,52,96,022/-
   - (b) Other Items — Rs. 1,02,71,082/-
2. **Jobs :-**
   - (a) Printing — 7283 + 13 = 7296
   - (b) Stationery — 2089 + 3 = 2092
3. Printed pages for Corporation and their various Committees (Both Marathi & English) = 15,134.
4. Amount charged :-
   - (a) To departments — Rs. 2,41,62,497/-.
   - (b) To Private Parties — Rs. 2,06,407/-.

During the year, the press carried out 9372 printing jobs both departmental and private in addition to supply of stationery jobs at a total cost of Rs. 2,41,62,497/-. Department undertook 16 private printing jobs and earned Rs. 2,06,407/-. There was a surplus of Rs. 315023/- against the last years working surplus of Rs. 32,04,512/-. In order to meet the requirements the department purchased $569\frac{1}{2}$ metric tons of various kinds of paper from the market and consumed total quantity of $437\frac{3}{4}$ metric tons which included old stocks.

The comparative statement of jobs carried out and consumed during the year 1988-89 & 1989-90 is furnished as below :-

Statement - I (Jobs carried out)

Sr. No.	Description	1988-89		1989-90	
		Jobs	Pages	Jobs	pages
1.	Departmental (Ptg.)	6036	--	7283	--
2.	-"- (Stationery)	2211	--	2089	--
3.	Private Parties (Ptg.)	6	--	7	--
4.	-"- (Stationery)	2	--	3	--
5.	B.E.S.T. (Undertaking)	12	--	6	--
6.	Corpn. & its Committees	--	16464(E)	--	11713(E)
		--	5376(M)	--	3111(M)
7.	Corporation Record	--	1506(E)	--	236(E)
		--	114(M)	--	74(M)

("E" denotes English & "M" denotes Marathi).

Statement - II (Paper consumed)

Sr. No.	Description	1988-89 in M.T.	1989-90 in M.T.
1.	White	$305\frac{1}{2}$	$349\frac{1}{2}$
2.	Nepa	57	$36\frac{3}{4}$
3.	Other kinds	$110\frac{1}{2}$	$51\frac{1}{2}$
	Total :-	464	$437\frac{3}{4}$

Certain Jobs were carried out through outside agencies at a cost of Rs. 1,30,713/- as against Rs. 2,45,483/- in the previous year. In addition to regular work, the press carried out printing of :

1. Marathi & English Budget & Estt. Schedule comprising of 5772 pages.

2. Budget 'G' both Marathi & English against heavy odds.

The press is working in two shifts with total strenght of the 425 workers as on 31st March 1990, as against 435 workers as on 31st March 1989. 28 Apprentices under Apprenticeship Act 1561 were engaged in this year as against 37 on 31st March 1989. The Labour relations were cordial and their grievances were redressed on the spot whereever practicable.

Work Load Summary as per Performance Budget

Sr. No.	Desccription of Activity	Unit of measurement	Budget Estimates 1989-90	Actual 1990-91
(1)	(2)	(3)	(4)	(5)
1.	(a) Agenda of Meeting of Corpn. & various committees (Eng.)	pages	30,000	11,713
	(b) -"- (Marathi) -"-		6,000	3,111
2.	Departmental ptg. work such as forms & registers etc.	Jobs	10,000	7,283
3.	Supplying stationery items to various departments.	-"-	2,000	2,089
4.	Record of Proceedings of Corporation Committee.	Pages	6,000	310
5.	Ptg. of Admn. report.	-"-	400	--
6.	Budget Estimates & Estt. Schedule in Eng. & Marathi.	-"-	6,000	5,772
7.	Supply of stationery items & Ptg. private parties jobs.	Jobs	30	16

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.	Perod from	to.	Remarks if any
1)	Manager	Shri M. M. Kamat	Printing Technology, Diploma in Buniness Management	1-4-89	to 31-3-90	

III - NIL
IV - NIL

(b) Will be forwarded to C. A. after Balance Sheet is prepared.

Manager,
Municpal Printing Press.

ROTA PRINTING UNIT

ADMINISTRATION REPORT 1989-90

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 committee 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 Corproation in 9 different languages viz. Marathi, Hindi, Gugarathi, English, Urdu, Kannad, Tamil, Telugu 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 Examination, Greeting Gards of M.C., Addl. M.Cs., D.M.Cs. and other officers, in various colours, Year Books 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. 20,30,155.71

b) Other Expenditure Rs. 11,05,933.94

		Pages	Cost
a)	Printing of Administration reports of M.C. & M.C.A.'s Deptt. in Marathi.	538	46,200.32
(b)	Departmental Jobs such as Formats, circulars, reports etc.	1026 (Jobs)	8,05,659.03
c)	Urgent items and accompaniments & agenda of the Corporation and its various Committees.	1527 (Jobs)	3,97,045.73
d)	Annual Exam. Question Papers of Primary & Secondary Schools of E.O.'s Department.	75,35,520	18,84,082.96

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 add 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. (Z-III).

FINANCE

(Budget 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 1990-91.

GENERAL MUNICIPAL ADMINISTRATION

(Budget 'A')

The following statement summaries the transactions for the year pertaining to Revenue Budget and the Actuals for the proceding year :-

Revenue A/c Budget 'A'	1989-90 Budget Estimates	1989-90 Revised Estimates	1989-90 Actuals	1988-89 Actuals
	Rs.	Rs.	Rs.	Rs.
Opening Balance ...	166157690 (Surplus)	8188568 (Deficit)	8188568 (Deficit)	225593186 (Surplus)
Income ..	5462854760	5588583020	5258495624	4334553945
Expenditure ..	5625237950	5323923060	4811486579	4481006377
Surplus (+) or Deficit(-) during the year	162383190 (Deficit)	264659960 (Surplus)	447009045 (Surplus)	146452432 (Deficit)
Balance ..	3774500 (Surplus)	256471392 (Surplus)	438820477 (Surplus)	+ 79140754 (Surplus)
Increase (−) Decrease (+) in Reservation for Advances etc. ..	..	− 145000000	− 170279550	− 87329322
Closing Balance ..	3774500 (Surplus)	111471392 (Surplus)	268540297 (Surplus)	8188568 (Deficit)

2. The details of Reservation of Advances etc.

Increase (-)	In Miscellaneous Advances	−	11,01,05,529
	In Renewed Grant	−	7,34,00,000
	In Reserve Stores	+	1,32,25,979
	Net Increase (−) ..		17,02,79,550

Comparative statement showing the actual position of Surplus Cash Balance as on 31st March 1991 and that as shown in the Revised Estimates for 1990-91 in Corporation Budget.

(Rs. in lakhs)

Revenue Account Budget 'A'	As adopted by the Corporation (R. E.)	Actuals	Variation compared with Revised Estimates to the Corporation
	Rs.	Rs.	Rs.
Opening Balance	81.89 (Deficit)	81.89 (Deficit)	..
Income	55885.83	52584.96	3300.87 (Decrease)
Expenditure	53239.23	48114.87	5124.36 (Decrease)

Deficit (−) Surplus (+) for the year ...	+ 2646.60	+ 4470.09	+ 1823.49
Deficit/Surplus ...	+ 2564.71	+ 4388.20	+ 1823.49
Deduct/Add. Increase (−) Decrease (+)			
In Reservation for Advances etc.	− 1450.00	− 1702.79	− 252.79
Net Deficit/Surplus (−) (+) ..	+ 1114.71	+ 2685.41	+ 1570.70

3. The net unhypothecated Surplus Cash Balance on 31st March 1991 was as under :

Liabilities		Assets	
	Rs.		Rs.
Reserve Store Account ..	Dr. 43,69,313	Surplus Funds as per	
Miscellaneous Advances..	56,65,51,073	Appendix No. 2	83,07,22,687
Minimum required by Law	1,00,000		
Surplus Cash Balance	26,84,40,927		
	83,07,22,687		83,07,22,687

RESERVE STORES AND CAPITAL STORES

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

Serial No.	Name of the Account	Opening Balance as on 1-4-89	Receipts during the year	Total	Issues during the year	Closing Balance as on 31-3-90
		Rs.	Rs.	Rs.	Rs.	Rs.
1.	Advances Reserve Stores	− 4,78,02,351	12,14,19,502	2,27,96,571	6,39,22,455	− 6,21,74,943 *
2.	Advances Reserve Stores (Foras Rd. Depot)	6,64,022	34,95,280	41,59,302	21,37,826	2-,21,476 *
3.	Advances Capital Stores	8,77,06,334	7,32,84,371	16,09,90,705	7,33,83,254	8,76,07,451
4.	Advances Capital Stores Foras Rd. Depot	1,24,749	4,50,352	5,75,101	4,78,796	96,305
	Total	4,06,92,754	14,32,13,379	18,39,06,133	15,63,55,844	2,75,50,289

* The difference of Rs. 5,89,18,387 and Rs. 11,92,929 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 April, 1989	Loan raised during the year	Repayment during the year	Loan outstanding as on 31st March 1989
	Rs.	Rs.	Rs.	Rs.
Div. — I	1,96,16,14,805	20,25,29,911	2,76,18,682	2,13,65,26,024
Div. — II	1,61,44,63,440	6,35,00,000	14,59,66,980	1,53,19,96,460
Div. — III	59,00,00,000	12,00,00,000		71,00,00,000
Total	4,16,60,78,245	38,60,29,911	17,35,85,662	4,37,85,22,494

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

		Rs.	Rs.	
(1)	Division – I Division – II	12,70,00,000 6,35,00,000	19,05,00,000	Being the Loan issued at per with the currency of 20 years at 11.5 per cent interest per annum and Sinking Fund Improving at 8 per cent basis per annum raised by public subscription (out of Rs.2,712 lakhs loan) sanctioned under G.R. No. LLB/1089/98/CR-22/89/UD-3 dated 18th January 1990 in response to Corporation's loan application for Rs.6500 lakhs underlying C.R. No. 1190 of 18th January 1990.
(2)	Division – I Division – III	3,00,00,000 12,00,00,000	15,00,00,000	Being the Loan issued at par with a currency of 25 years at 11.5% interest per annum and Sinking Fund Improving at 8% basis per annum raised by internal funds out of Rs.1550 lakhs loan sanctioned vide G.R. No. LLB/1089/98/CR-22/89 UD-3 (II), dated the 2nd March 1990.
(3)	Division –I (BUDP –I)		4,55,29,911	Being the Loan of Rs.4,50,00,000 out of Rs.51.97 Crores received from Government of Maharashtra for Affordable Low Income Shelter Programme BUDP-I under Budgets A, B & G and Rs.2,47,711 interest at the rate of 8.5 percent per annum for the year 1989-90 being capitalised vide G.R. No. WBP/1089/CR-1143/D-5 dated 10th January 1990 and under subsidiary Loan agreement vide C.R. No. 90 of 25-7-1985 and the down payment of Rs. 2,82,200 under S. U. P. Scheme.
	Total ..		38,60,29,911	

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

		Rs.	
Division – I	(1)	64,94,533	Repayment of 9.2 per cent I.B.R.D. (World Bank Loan through B.M.R.D.A. for traffic operations.
	(2)	5,06,667	Repayment of Loan received from General Insurance Corporation of India through Government of Maharashtra for purchase of Capital Fire Fighting Equipments.
	(3)	1,65,00,000	Repayment of 6.3/4 percent Rs.150 lakhs B.M.C. loan 1979-80.
	(4)	19,57.584	Repayment of 4.3/4 percent Rs. 100 lakhs B.M.C. Loan 1964-65 excluding Rs.80,42,416 of Budget 'G'
	(5)	21,59,898	Repayment of Principal amount of two semiannual equated instalments due on 30-9-1989 and 31-3-1989, paid on 15-9-1989 and 15-3-1989 respectively.
	Total ..	2,76,18,682	
Division – II & III		14,59,66,980	Repayment of Loan.
Grand Total ..		17,35,85,662	

SINKING FUND

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

Budget 'A'	Amount of Fund on 1st April 1989	Interest etc. realised	Sinking Fund Instalments	Withdrawn for repayment of Loans	Excess accumulation Tr. to Mun. Gen. Fund	Amount of fund of 31st March 1990
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Div.–I ..	42,92,44,754	3,48,62,926	6,05,64,618	2,65,00,000	. .	49,81,72,298
Div:–II ..	35,72,12,698	5,81,21,423	6,56,54,703	14,97,50,000	. .	33,12,38,824
Div. – III ..	2,50,09,373	26,77,395	90,08,446	Nil	. .	3,66,95,214
Total ..	81,14,66,825	9,56,61,744	13,52,27,767	17,62,50,000	. .	+ 86,61,06,336

Budget 'A'	Book Value for Securities and Cash as on 31-3-1990	Market Value of Securities Interest accrued upto 31-3-1991 and Cash as on 31-3-1990	Account of Sinking Fund Which should have accumulated upto 31-3-1990	Excess or less in Sinking Fund as on 31-3-1990
	Rs.	Rs.	Rs.	Rs.
Division–I	49,81,72,298	50,00,69,467	50,00,66,730	+ 2,737
Division–II	33,12,38,824	33,42,83,185	33,42,73,816	+ 9,369
Division–III	3,66,95,214	3,67,06,222	3,50,08,655	+ 16,97,567
Total	86,61,06,336	87,10,58,874	86,93,49,201	17,09,673

* Out of this Rs.18,55,96,263 pertaining to Division-I, Rs.3,31,25,602 Division-II respectively related to Budget 'G'.

REVENUE INCOME

6. The Estimated Income for the year was Rs.5,46,28,54,760 and revised Estimates was Rs.5,58,85,83,020. The actuals amounted to Rs. 5,25,84,95,624 resulted in decrease of Rs.20,43,59,136 on the Budget Estimates and Rs.33,00,87,396 on the Revised Estimates.

OCTROI

6A. The gross collections for the year were estimated at Rs.3,63,00,00,000 the refund and Commission charges at Rs.18,00,00,000 and the net revenue at Rs.3,45,00,00,000. The Revenue collected and paid in to the Municipal Treasury in the year amounted to Rs.3,83,06,32,942 and after deducting the amount of Rs.35,48,18,739 (on account of Refunds Rs. 35,12,49,236 and on account of Commission for collection Rs. 35,69,503 credited to the separate, Revenue Head) the net receipts amounted to Rs.3,47,58,14,203 showing an increase of Rs.51,74,50,832 as compared with the actuals of the previous year (i.e. Rs.2,95,83,63,371.)

REVENUE EXPENDITURE

7. The final sanctioned grants amounted in the aggregate to Rs. 6,40,20,53,340.

	Rs.
Budget Grants.	5,62,52,37,950
Un expended grants for previous years renewed for expenditure	53,91,00,000
Additional Grants	23,77,15,390
Final sanctioned grants ..	6,40,20,53,340

The transfers from one Budget Head to another without affecting the total Budget provisions for the year amounted to Rs. 1,93,45,547.

8. Against the final sanctioned grants for the year aggregatting to Rs. 6,40,20,53,340 as stated above the actuals amounted to Rs.4,81,14,86,579 leaving an unexpended balance of Rs. 1,59,05,66,761 at the close of the year. Out of this balance, the amount of Rs. 61,25,00,000 is being renewed for expenditure during 1990-91 as against Rs. 53,91,00,000 1989-90 and the remaining balance of Rs. 97,80,66,761 is being allowed to lapse.

9. The percentage of establishment expenditure to the total expenditure for the year 1989-90 and the previous year is as given below.

Budget 'A'	Establishment Cost	Percentage of the cost to total Expenditure during 1989–90	Percentage of the cost to total Expenditure during 1988 –89
	Rs.	Percentage	Percentage
Division – I ...	1,38,22,77,625	46.27	45.75
Division – II ...	48,23,35,668	45.71	47.53
Division – III ...	33,62,94,135	43.74	51.50
Total	2,20,09,07,428	45.24	46.98

LOAN FUND AND LOAN WORKS EXPENDITURE

10. The position of Loan Fund was as shown below :–

Budget 'A'	O. B. as on 1–4–89	Net Loans raised during 1988–89	Reimbursement of Loan from BMRDA	Recoupment of Adv. grant–ed for purchase of P & M	Central Govt. Assistance
	Rs.	Rs.	Rs.	Rs.	Rs.
Division – I ..	17,11,26,069	20,25,29,911	..	2,51,77,650	15,07,00,000
Division – II ..	15,36,27,692	6,35,00,000	..	46,05,618	..
Division – III ..	43,42,182	12,00,00,000	..	16,36,443	..
Total ...	32,90,95,943	38,60,29,911	..	3,14,19,711	15,07,00,000

Grand-in-aid from Government	Loan Fund available	Total Expenditure incurred	Advance for financing Capital Stores	C.B. as on 31-3-90
6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.
..	54,95,33,630	24,95,33,595	..	30,00,00,035
..	22,17,33,310	13,05,60,412	..	9,11,72,898
..	12,59,78,625	11,50,04,708	..	1,09,73,917
..	89,72,45,565	49,50,98,715	..	40,21,46,850

** (1) Rs. 4,50,00,000 from Government of Maharashtra or Affordable Low Income Shelter Programme BUDP–I, under Budget A, B & G.

(2) Rs. 19,05,00,000 Public Loans (through Open Market).

(3) Rs. 15,00,00,000 Internal Loans.

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 of Budget Estimates	Percentage of Actuals of Revised Estimates
	Budget Estimates	Revised Estimates			
	Rs.	Rs.	Rs.		
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 ..	26,46,80,100	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

	Loans Funds				
	Budget Estimates	Revised Estimates	Actuals	Percentage of Actuals to Budget Estimates	Percentage of Actuals to Revised Estimates
	Rs.	Rs.	Rs.		
1989–90					
Division – I ..	89,74,89,170	80,53,58,730	24,95,33,595	28	31
Division – II ..	42,04,15,400	33,23,95,600	13,05,60,412	31	39
Division – III ..	49,55,60,510	36,51,07,150	11,50,04,708	23	31
Total ..	1,81,34,65,080	1,50,28,61,480	49,50,98,715	27	34

The percentage of actual expenditure of Funds available works out to 55.

TRUST FUND AND EXPENDITURE

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

	O.B. as on 1-4-1989	Receipts during 1989-90	Total Funds available	Expenditure during 1989-90	C. B. as on 31-3-1990
	Rs.	Rs.	Rs.	Rs.	Rs.
Division – I ..	4,34,03,385	4,56,43,009	8,90,46,394	2,80,85,760	6,09,60,634
Division – II ..	2,60,314	39,75,000	42,35,314	1,75,041	40,60,273
Division – III	..	24,25,000	24,25,000	..	24,25,000
Total ..	4,36,63,699	5,20,43,009	9,57,06,708	2,82,60,801	6,74,45,907

INVESTMENT

11. The position of Investment was as under :-

Investment in	Fixed Deposit	Current Account Deposit	Certificate of Deposit	Securities	Total Investment
	Rs.	Rs.	Rs.	Rs.	Rs.
Div. – I	5,01,92,68,800	12,93,23,11,820	2,49,75,40,459	29,50,00,000	20,74,41,21,079
Div. – II	. .	. .	. .	. .	. .
Div. – III	. .	. .	. .	. .	. .
Total ...	5,01,92,68,800	12,93,23,11,820	2,49,75,40,459	29,50,00,000	20,74,41,21,079

	Interest realised on				Total Interest Realised
	Fixed Deposit	Current A/c Deposit	Certificate of Deposit	Securities	
	Rs.	Rs.	Rs.	Rs.	Rs.
Div. – I ...	21,25,10,534	1,77,155	9,44,70,476	1,43,84,452	32,15,42,617
Div. – II ...	...	...	...	...	...
Div. – III ...	...	...	...	...	...
Total ...	21,25,10,534	1,77,155	9,44,70,476	1,43,84,452	32,15,42,617

STREET IMPROVEMENT

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

	Provision in the Revised Loan works Budget Estimates for 1990-91 for acquisition of set backs	Expenditure during 1990-91	Balance our of provision	Amount of undischarged commitment upto 31-3-91
	Rs.	Rs.	Rs.	Rs.
Division – I ..	1,64,79,000	35,94,809	1,28,84,191	98,84,311
Division – II ..	1,35,00,000	60,69,921	74,30,079	. .
Division – III ..	1,25,00,000	58,06,780	66,93,220	. .
Total	4,24,79,000	1,54,71,510	2,70,07,490	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 1-4-1989 Rs.	Amount of Loans granted during the year Rs.	Repayment of loans during 1990-91 Rs.	Loans Balance as on 31-3-1990 Rs.
19,57,53,253	2,03,72,130	1,87,82,669	19,73,42,714

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

Loans Balance as on 1-4-1989 Rs.	Amount of loans granted during the year Rs.	Repayment of loans during 1989-90 Rs.	Loan balance as on 31-3-1990 Rs.
1,63,82,368	1,58,17,210	12,39,203	3,09,60,375

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 Subsidiary Loan Agreement for the above project known as B.U.D.P.I. with the Government of Maharashtra on 26th July 1985 vide C.R. No. 90 of 25th July 1985. The project will be partly financed by the World Bank and will be implemented for urban poor class. As per the conditions of above agreement the Corporation has to carry out various works pertaining to Budgets 'A', 'B' and 'G' and also to maintain separate Account at one Central place.

The Loan receipt of Rs.8,78,00,000 and capitalised interest of Rs. 1,85,70,148 thereon at the rate of 8.5 percent per annum and down payment of Rs.5,58,600 amounted to of Rs. 10,69,28,748 was released by the Government of Maharashtra. The interest capitalised upto 31st March 1990 on Total Loan receipt of Rs. 10,63,70,148 amounted to Rs.2,47,711. An amount of Rs. 2,82,200 received from Slum dwellers was credited to Loan Fund being 10 percent share towards environmental improvement Loan under Slum upgradation programme. Thus the total Loan receipt amounted to Rs. 15,24,58,659 upto 31st March 1990 (Loan receipt of Rs. 13,28,00,000 plus interest capitalised Rs. 1,88,17,859 plus Rs. 8,40,800 towards down payment.

The expenditure of Rs. 14,28,55,764 inclusive of Rs. 12.5 percent and 8.5 percent supervision charges respectively on civil works and purchase of equipments was incurred which was debited to the proper head of accounts viz. XVI-Works under BUDP-I. Thus the total expenditure amounted to Rs. 14,28,55,764 leaving balance of Rs. 96,02,895 at the close of financial year out of total Loan Receipt. The above expenditure will be finally debited to respective Budget Estimate viz. A, B. & G.

As per the subsidiary Loan Agreement, the Loan alaongwith Capitalised interest is to be repaid in 40 semi Annual equited instalments after the grace period of 5 years from the first withdrawal of Loan on 11th April 1984. First repayment of equated instalment was due on 30th September 1989.

Out of the outstanding loan receipt of Rs. 15,16,17,859 (Loan of Rs. 13,28,00,000 plus interest capitalised of Rs. 1,88,17,859) two Semi Annual instalment due on 30th September 1989 and 31st March 1990 respectively were repaid amounting to Rs.21,59,898 plun interest of Rs. 87,81,702 leaving outstanding balance as on 31st March 1990 of Rs. 14,94,57,961.

BUDGET - 'B'

GENERAL ACCOUNT

14. The position of General Account during the year 1989-90 was as under :-

	Income	Expenditure	Surplus	Deficit
	Rs.	Rs.	Rs.	Rs.
Improvement Scheme	7,34,41,619	13,89,73,912	. .	6,55,321,293
Slum Clearance (City)	42,81,144	93,91,526	. .	51,10,382
Slum Clearance (Subs.)	13,27,137	60,26,330	. .	46,99,193
Slum Improvement	7,69,67,654	5,50,25,144	2,19,42,510	. .
Total . .	15,60,17,554	20,94,16,912	2,19,42,510	7,53,41,868

CAPITAL ACCOUNT

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

Particulars	Opening Balance as on 1-4-89	Receipts on A/c. of sale proceeds of lands & Bldgs.	Surplus of Gen. A/c. transferred to Cap. A/c.	Total funds available	Expenditure during the year	Deficit of General A/c. transferred to Capital Account	Coosing Balance as on 31-3-90
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Improvement Scheme	27,09,28,945 (Deficit)	7,55,276	. .	− 27,01,73,669	48,86,691	6,55,32,293	34,04,92,653 (Deficit)
Slum Clearance (City)	5,35,83,175 (Deficit)	. .	. .	− 5,35,83,175	74,637	51,10,381	5,87,68,193
Slum Clearance (Subs.)	4,94,50,590 (Deficit)	2,08,134	. .	− 4,92,42,456	. .	46,99,193	5,39,41,649 (Deficit)
Slum Improvement	17,52,23,951 (Deficit)	8,97,77,763**	2,19,42,510	− 6,35,03,678	10,27,80,754	. .	16,62,84,432 (Deficit)
Total . .	54,91,86,661 (Deficit)	9,07,41,173	2,19,42,510	− 43,65,02,978	10,77,42,082	7,53,41,867*	61,95,86,927 (Deficit)

** Rs. 2,10,30,562 Reimbursement of Capital Expenditure from Bombay Housing and Area Development Board and Rs. 4,37,47,201 Receipts from Collector of Bombay and Bombay Suburban District and Government of Maharashtra. Rs. 2,50,00,000 Special Central Assistance as recommended by IXth Finance Commission for execution of various works in slum areas.

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

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

Budget 'B'	Outstanding Loan as on 1st April 1989 Rs.	Loan raised during the year Rs.	Repayment of Loan during the year Rs.	Loan outstanding on 31st March 1990 Rs.
Improvement Schemes	8,00,00,000	..	1,00,00,000	7,00,00,000
Slum Clearance (City)	4,78,79,587	..	..	4,78,79,587
Slum Clerance (Subs.)	4,68,86,482	..	..	4,68,86,482
Slum Improvement	2,00,00,000	..	..	2,00,00,000
Total	19,47,66,069	..	1,00,00,000	18,47,66,069

SINKING FUND

17. The position of Sinking Fund was as under :

	Amount of Sinking Fund as on 1-4-89 Rs.	Interest realised during the year Rs.	Sinking Fund Instal ments Rs.	Withdrawn for repayment of Loans Rs.	Amount on Sinking Fund as on 31-3-90 Rs.
Improvement Schemes	5,90,96,016	42,41,467	15,73,976	..	6,49,11,459
Slum Clearance (City)	2,42,80,823	18,26,976	8,35,293	30,00,000	2,39,43,092
Slum Clearance (Subs.)	2,38,16,081	17,44,492	8,57,236	..	2,64,17,809
Slum Improvement ..	63,69,411	4,77,535	3,64,534	..	72,11,480
Total	11,35,62,331	82,90,470	36,31,039	30,00,000	12,24,83,840

	Book Value of Securities Cash as on 31-3-90 Rs.	Market Value of Securities Interest which with accured upto 31-3-90 Rs.	Amount of Sinking Fund should have accumulated upto 31-3-90 Rs.	Excess in Sinking Fund as on 31-3-90 Rs.
Improvement Schemes ..	6,49,11,459	6,53,25,732	4,05,64,875	2,47,60,857
Slum Clearance (City)	2,39,43,092	2,40,80,076	1,86,26,366	54,53,710
Slum Clearance (Subs)	2,64,17,809	2,65,02,622	2,19,09,684	45,92,938
Slum Improvement	72,11,480	72,12,946	68,84,334	3,28,612
Total	12,24,83,840	12,31,21,376	8,79,85,259	3,51,36,117

Sd/-
S. G. Kulkarni
Jt. Chief Accountant

Sd/-
S. M. Chandekar
Chief Accountant

EDUCATION FUND

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

	Budget Estimates 1989-90	Revised Estimates 1989-90	Actuals 1989-90	Actuals April 1988 to March 1989
	Rs.	Rs.	Rs.	Rs.
Opening Balance	28,456	22,195	22,195	20,086
Income ...	1,09,73,15,730	1,03,30,80,190	95,40,60,622	94,00,88,903
Expenditure ...	1,09,73,15,560	1,03,30,81,040	97,21,26,275	91,23,66,098
Surplus or Deficit during the year (+) (–) ..	– 170	– 850	+ 1,80,65,653	+ 2,77,02,805
Balance	+ 28,626	+ 21,345	– 1,80,43,458	+ 2,77,22,891
Add : Decrease or Increase in Reservations as shown in (ii) below	..	..	– 1,80,71,041	– 2,77,00,696
Closing Balance	+ 28,626 (Surplus)	+ 21,345 (Surplus)	+ 27,583 (Surplus)	+ 22,195 (Surplus)

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

Increase/Decrease (+) (–)	1989–90	1988–89
	Rs.	Rs.
In Miscellaneous Advances	– 49,30,941	+ 66,86,496
In Renewed Grants	– 1,31,40,100	+ 2,10,14,200
Net Increase or Decrease	– 1,80,71,041	+ 2,77,00,696

(iii) The net unhypothecated Surplus Cash Balance on 31st March 1990 was as under :-

Liability		Assets	
Miscellaneous Advance *	1,26,18,701	Surplus Revenue .. Fund as per Appendix No. 59.	1,26,46,284
Minimum required by Law ..	20,000		
Surplus Cash Balance ..	7,583		
Total ..	1,26,46,284	Total	1,26,46,284

* Note :- This includes an amount of Rs. 32,50 Lakhs received from Central Govt. as per recommendation of IX finance Commission.

Note : Misc. Advances adjustable ..	1,26,18,701.11
Misc. Advances recoverable	3,80,07,129.39
Total as per Appendix No. 67	5,06,25,830.50

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

Opening Debt on 1st April 1989	Loan raised during the year	Repayment of debt during the year	Outstanding Debt on 31st March 1990
Rs.	Rs.	Rs.	Rs.
34,45,00,000	1,59,00,000	2,75,00,000	33,29,00,000

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

Amount of Fund on 1st April 1989	Interest etc. realised	Sinking Fund Instalments	Total Sinking Fund	Withdrawal for Repayment of Loans	Amount of Fund on 31st March 1990
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
6,54,86,134	50,42,451	1,30,56,534*	8,35,85,119	2,75,00,000	5,60,85,119

Book value of securities and cash as on 31-3-1990	Market value of securities with interest accrued upto 31-3-1990 and cash as on upto 31-3-1990	Amount of Sinking Fund which should have accumulated upto 31-3-90	Deficit in Sinking Fund as on 31-3-1990
Rs.	Rs.	Rs.	Rs.
5,60,85,119	5,63,67,865	5,61,09,003	2,58,862

* Additional Contribution of Rs. 14,272,399.72 towards Sinking Funds A/c. has been made during the year 1989-90 to cover the deficit under Sinking Fund A/c. as on 31-3-1990.

The value of securities held in Sinking Fund Account on the basis of Market rates prevailing on 31st March 1990 including accrued interest and cash is more than the actual amount of the Sinking Fund by which should have up to 31st March 1990, by Rs.2,58,862.

Income

(vi) Position of the Income excluding the Special Contribution from Budget 'A' during the year 1989-90 is as shown below:-

Budget Estimates	Revised Estimates	Actuals	Increase (+) Decrease (−) Compared with	
			Budget Estimates	Revised Estimates
Rs.	Rs.	Rs.	Rs.	Rs.
33,70,15,730	33,48,32,190	35,20,60,622*	1,50,44,892	+ 1,72,28,432

* Note :- This includes an amount of Rs. 32.50 Lakhs received from Central Govt. as per recommendation of IX finance Commission.

To cover the deficit, an amount of Rs.60,20,00,000 (as against Budget Estimates of 76,03,00,000 and Revised Estimates of Rs.69,82,48,000) 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.1,34,90,61,650 as follows :-

	Rs.
Budget Grants	1,09,73,15,560
Unexpended Grants for previous year renewed for Expenditure	8,05,74,000
Additional Grants	1,75,49,890
Final sanctioned Grants	1,19,54,39,450

The transfer from one Budget Grant to another without affecting the total Budget provision of the year amounting to Rs.9,00,000.

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

Final Grant 1989-90	Actuals 1989-90	Balance Grant as on 31-3-1990	Amount Reserved for Renewal during the year 1990-91	Balance of Grant treated as saving
Rs.	Rs.	Rs.	Rs. Rs.	
1,19,54,39,450	97,21,26,275	22,33,13,175	6,74,33,900	15,58,79,275

(ix) The percentage of Establishment cost inclusive of expenditure on Dearness Allowance, Provident Fund and Pension etc. charges to the total expenditure for 1988-89 as compared with the previous year's percentage is given below :-

Establishment	Establishment Cost 1989-90	1989-90	Percentage to the total expenditure during 1988-89
	Rs.	Rs.	Rs.
Budget - E	80,49,14,057	82.80	85.43

Loan Fund

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

Opening Balance as on 1-4-1989	Loan Receipts	Total	Loan Works expenditure	Closing Balance as on 31-3-1990
Rs.	Rs.	Rs.	Rs.	Rs.
2,48,64,476	2,91,50,000*	5,40,14,476	3,88,50,021	1,51,64,455

*NOTE :- This includes an amount of Rs. 132.50 Lakhs received from Central Govt. as per the recommendation of IX Finance Commission.

(xi) The following statement compares with 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.
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
1989-90 . .	10,17,73,000	9,58,35,900	3,88,50,021	38.2	40.5

S. G. Kulkarni
Jt. Chief Accountant

APPENDIX NO.1

(Consolidated)

General Financial Statistics

Particulars	1985-86	1986-87	1987-88	1988-89	1989-90
General					
1. Area of the Greater Bombay (in sq. Kms.) ...	466.36	466.36	466.36	466.35	466.35
Population ...	* 95,65,000	* 98,61,000	*99,28,000	*1,01,85,300	*1,05,06,200
Rates and Assessments					
3. Rateable value Rs.	2,21,23,66,719	2,43,85,22,083	2,81,32,09,969	3,07,91,55,916	3,37,97,51,062
4. Rateable value Rs. per head of population Rs.	231.30.	Rs. 247.29	Rs. 283.36	Rs. 302.31	Rs. 321.69
5. Properties registered in the Assessment Book	2,19,105	2,30,043	2,23,232	2,20,821	2,25,094
Income	Rs.	Rs.	Rs.	Rs.	Rs.
6. General Tax (@ 24% of R.V.) ..	46,33,99,911	52,81,34,685	54,67,94,717	57,01,36,649	65,50,73,297
7. Octroi	1,91,77,55,894	2,10,90,59,744	2,53,07,20,888	2,95,83,63,370	3,47,58,14,203
8. Income from other sources	55,41,72,034	64,53,45,285	66,25,11,968	80,60,53,926	1,12,76,08,124
Total Income	2,93,53,27,839	3,28,25,39,714	3,74,00,27,573	4,33,45,53,945	5,25,84,95,624
9. Incidence of Taxation per hed	$$ 255.43	$$ 274.04	$$ 316.79	$$ 352.97	$$ 400.02
Loans —	Rs.	Rs.	Rs.	Rs.	Rs.
10. Debt outstanding	3,24,01,83,594	3,72,25,86,272	4,09,57,75,017	4,22,09,51,365	4,37,85,22,494
11. Redemption and Sinking Funds in hand or invested ..	45,14,91,474	54,37,10,581	57,00,61,618	59,15,96,539	68,05,10,049
12, Net Loan Debt ..	2,78,86,92,120	3,17,88,75,691	3,52,57,13,399	3,62,93,54,826	3,69,80,12,445
13. Net Debt per head of population	291.55	322.36	355.13	356.33	351.58
Expenditure	Rs.	Rs.	Rs.	Rs.	Rs.
Contribution to					
14. Primary Education	39,08,44,240	48,87,51,870	53,60,60,670	73,17,73,620	70,69,95,490
15. Medical Relief	48,89,99,579	52,57,28,317	58,28,00,428	68,51,21,680	74,18,38,597
16. Other Civic services	1,53,53,78,825	1,62,84,93,372	2,10,30,03,587	2,54,57,22,247	279,45,42,599
17. Debt Charges	33,34,23,597	40,35,16,822	47,91,61,916	51,83,88,830	56,81,09,893
Total Expenditure	2,74,86,46,241	3,04,64,90,381	3,70,10,26,601	4,48,10,06,377	4,81,14,86,579

$$ Incidence of Taxation per head of population exclusive of Water Tax, Sewerage Tax and Education Cases.

+ + + 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 1991

PARTICULARS		Total Rs. P.	PARTICULARS		Total Rs. P.
To Revenue Expenditure		4,81,14,86,579.25	By Revenue Receipts		5,25,84,95,623.92
To Surplus for the year		44,70,09,044.67			
		5,25,84,95,623.92			5,25,84,95,623.92
	Rs. P.			Rs. P.	
To Revenue Expenditure to be incurred in 1990-91 and provided for as renewed grants	61,25,00,000.00	61,25,00,000.00	By Surplus Revenue Fund as at 1st April 1989		45,71,13,641.47
			By Surplus For the year 89-90		44,70,09,044.67
To Balance being Surplus Revenue Fund as at 31st March 1990 as per					
Appendix No. 5 of Division I	+ 6,88,31,58,733.56				
II	− 3,81,64,99,189.14		By Revenue of previous years reserved		
III	− 2,23,59,36,858.25		for the year 1989-90	53,91,00,000.00	
		83,07,22,686.14			53,91,00,000.00
		1,44,32,22,686.14			1,44,32,22,686.14

Appendix No. 5

Revenue & Suspense Account, Balance Sheet as on 31-3-1991

Budget 'A'

(Consolidated)

Liabilities	Rs. P.	Amount Rs. P.	Assets	Rs. P.	Amount Rs. P.
A) Outstanding liabilities -			Cash at Bank –		
Cash Bill Outstanding			Div. I Cr.	16,03,91,147.92	
Budget 'A' Div. I	4,51,091.15		Div. II Cr.	45,16,962.88	
" II	8,51,087.40		Div. III Dr.	62,97,294.32	Cr. 15,86,108.16 48
" III	67,053.15	12,41,613.08	Cash in Office –		
Cheques Payable A/c			Div. I	44,158.15	
Budget 'A' Div. I	1,04,59,198.88		Div. II	9,02,17,243.14	
" II	68,96,995.72		Div. III	5,14,01,420.70	14,16,62,821.99
" III	1,39,23,454.20	3,12,79,648.80	Municipal Loans- Interest Warrant Payable Account		
Stores Purchase Outstanding A/c		1,82,79,563.80	Budget 'A' Div. I	39,460.82	
Stock Adjustment A/c.		5,71,827.58	" II	10,900.25	50,361.07
Capital Stores Purchase A/c (Foras Rd.)		6,80,180.47	B.I. T. Loans Interest Warrant Payable Account		6,054.55
Outstanding charges for 1990-91 and previous year			Interest on B.I.T. Loans payable Account		760.00
Budget 'A' Div. I	32,00,00,000.00		Interest on Suburban Loan with State Bank of India		
" II	11,75,00,000.00		Budget 'A' Div. II		38,275.17
" III	14,00,00,000.00	57,75,00,000.00	Due for Stores Sold		15,75,46,126.75
Outstanding charges in respect of Interest Accrued but not paid			Capital Stores Stock F. Rd.		Cr. 28,444.60
Budget 'A' Div. I	2,26,04,139.86		Stock Adjustment A/c. in respect of the amount of Stock in hand & work in Progress App. 13(A)		39,45,28,152.89
" Div. II	3,09,63,639.44		Advances Recoverable Account		
" Div. III	1,68,055.54	5,53,43,356.90	Budget 'A' Div. I		
Deposit in Cash and Public Securities from contractors and Private Parties			" II	16,94,73,477.14	
Budget 'A' Div. I	122,78,13,411.41		" III	4,63,74,200.29	21,58,47,677.43
" II	54,96,10,866.73		Reserve Stores purchase A/c.		Cr. 47,80,882.30
" III	23,87,80,174.11	201,62,04,452.25	Capital Stores Purchase A/c.		Cr. 682,63,664.23
Pension Recovery cheques Payable A/c.		Dr. 2,28,63,468.25	Capital Store Stock A/c.		6,05,75,122.43
Interest on loans payable A/c.			Unadjusted Reserve Stores A/c. Stock,		Cr. 556,20,819.09
Budget 'A' Div. I	2,46,892.50		Unadjusted Reserve Stores A/c. Stock (F. R.)		Cr. 1,63,334.25
" II	4,18,014.75	6,64,907.25	Advances to A.A. Cash for disbursement of	4,89,24,275.00	
Amount Payable to Budget 'G'		158,19,86,521.17	March Salary	40,00,000.00	5,29,24,275.00
Amount Payable to Budget 'E'		7,79,21,476.13	Advances Recoverable from Contractor	8,91,31,946.70	
Reserve Stores Hospital		Dr. 5,60,345.65	Advances Recoverable from Municipal	1,01,60,631.80	9,92,92,578.50
Total - Outstanding Liabilities		433,67,69,830.09	Total C. F.		0.00
Total C. F.		433,67,69,830.09			

Appendix No. 5 (Contd...)

Revenue & Suspense Account, Balance Sheet as on 31-3-1991

Budget 'A'

(Consolidated)

LIABILITIES		AMOUNT	ASSETS		AMOUNT
		Rs. P.			Rs. P.
Total - B.O.		433,67,69,830.09	Total - B. O.		0.00
(B) Special Fund Account			Advance from Surplus Moneys		
Municipal Fire and Accident			for financing Capital work		
Insurance Fund A/c.		1,30,11,411.07	Expenditure -		
Net Premia Fund Account		18,34,140.41	Budget 'A' Div. I		
Provident Fund Account		187,92,99,873.34	" II		
Pension Fund Account		34,74,38,662.63	" III		
Hospital Fund Account -					
Budget 'A' Div. I	20,14,383.72		Budget 'B'	61,95,86,927.58	61,95,86,927.58
" II	2,36,191.87	22,50,575.59	Deposit in Securities from Pub.		
G.S.M. College, K.E.M.			With State Bank of India -		
Hospital Research Fund Account		15,49,818.18	Budget 'A' Div. I	1,81,84,440.00	
Gratuities Fund A/c.		10,11,388.21	" II	18,23,940.12	2,00,08,380.12
Fidelity Guarantee Insurance			In Office :		
Fund A/c.		14,99,635 47	Budget 'A' Div. I	10,76,150.00	
Land (Recl. & Acqn.) Fund			" II	20,12,445.00	
Account		3,51,78,369.50	" III	17,97,200.00	48,85,795.00
Public Monument Maintenance			Investment of Surplus Moneys		
Fund Account -			in Public Securities		38,013.14
Budget 'A' Div. I	1,22,965.34		Investments of Balance held -		
" II	16,317.94	1,39,283.28	In Securities		
Endowment Fund Account		14,40,502.04	In Fixed Deposits	283,56,70,300.00	
Fire Brigade Employees (Opera-			In Interest bearing		
tional Staff) Accident			Current A/c.	283,56,70,300.00	
Compensation Fund A/c.		13,02,345.24	In Cash with S.B.I.	2,35,865.42	285,72,46,469.42
Motor Vehicles (Third Party)			Investment of Special		
Insurance Fund A/c.		12,00,000.00	Funds in Securities		
Machanically Propelled			Provident Fund		1,86,69,98,746.56
(T. P.) Insurance Fund A/cs.		6,09,349.70	Hospital Fund -		
Development Fund for			Budget 'A' Div. II	2,36,100.00	
Secondary Schools A/c.		2,66,35,165.92	Budget 'A' Div. I	20,14,300.00	22,50,400.00
Tree Authority Fund A/c.		1,02,70,080.49	Fidelity Guarantee Ins. Fund		14,99,600.00
			Public Monument		
			Maintenance Fund		
			Budget 'A' Div. I	1,22,873.34	
			" II	16,300.00	1,39,173.34
Total - Special Fund A/c.		232,46,70,601.07			
Total - C. F.		666,14,40,431.16	Total C. F.		0.00

Appendix No. 5 (Contd...)

Revenue & Suspense Account, Balance Sheet as on 31-3-1991

Budget 'A'

(Consolidated)

LIABILITIES	Rs. P.	Amount Rs. P.	LIABILITIES	Rs. P.	Amount Rs. P.
			Total B. O		0.00
Total. B. O.		666,14,40,431.16	Endowment Fund		13,61,288.89
C. Surplus Revenue Fund A/c.			Motor Vehicles (third Party) Insurance Fund		11,50,000.00
Budget "A' Div. I	6,88,31,58,733.56		Tree Authority Fund		..
" II (Deficit)	– 3,78,14,99,189.14		Mechanically Propelled Vessels (T.P.) Insurance Fund		5,00,000.00
" III (Deficit)	– 2,23,59,36,858.28	86,57,22,686.14	Municipal Fire & Accident Insurance Fund		1,30,11,400.00
			Land (R & A) Fund		..
			Fire Brigade Employees (Operational Staff) Accident Compensation Fund		13,02,300.00
			Net Premia Fund		18,34,100.00
			G.S.M. College & K.E.M. Hospital Research Fund		9,22,900.00
			Pension Fund		..
			Total - Invt. in Securities		1,89,09,69,908.79
			Investment of Special Funds in Fixed Deposit and Cash etc.		
			Municipal Fire and Accident Insurance Fund		11.07
			Net Premia Fund		40.41
			Provident Fund		1,23,01,126.78
			Pension Fund		34,74,38,662.63
			Hospital Fund		
			Budget 'A' Div. I	83.72	
			" II	91.87	175.59
			G.S.M. College & K.E.M. Hospital Research Fund		6,26,918.18
			Gratuities Fund		10,11,388.21
			Fidelity Guarantee Insurance Fund		35.47
			Land (Recl. & Acqn.) Fund		3,51,78,369.50
			Public Monuments Maintenance Fund		
			Budget 'A' Div. I	92.00	
			" II	17.94	109.94
			Endowment Fund		79,213.15
			Fire Brigade Employees (Operational Staff) Accident Compensation Fund		45.24
		86,57,22,686.14			
Total C. F.		752,71,63,117.30	Total C. F.		0.00

Appendix No. 5 (Contd...)

Revenue & Suspense Account, Balance Sheet as on 31-3-1991

Budget 'A'

(Consolidated)

LIABILITIES	Amount	ASSETS		Amount
	Rs. P.		Rs. P.	Rs. P.
Total C. F.	752,71,63,117.30	Total - B. O.		0.00
		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		2,66,35,165.92
		Tree Authority Fund		1,02,70,080.49
		Total Investment in Fixed Deposits and in Cash		43,37,00,692.28
		Total Investment Special Fund		2,32,16,70,601.07
		Investment of Surplus Revenue Fund		
		General Reserve Stores Account Stock - (App 17)		Cr. 43,69,313.15
		Advances out of S. C. B. -		
		Budget 'A' Div. I	36,46,74,206.42	
		" II	13,80,90,873.69	
		" III	7,27,68,933.77	57,55,34,013.88
		Investments of Balance held-		
		In Securities	8,52,97,637.77	
		In Fixed Deposits	..	..
		In Interest bearing Current A/c.	20,92,60,347.74	..
		In Cash with S.b.I.	..	29,45,57,985.51
		Total Surplus Revenue Fund		86,57,22,686.14
Total C. F.	752,71,63,117.30	Grand Total		752,71,63,117.30

Investments of Surplus Fund

Budget 'A'	Securities	Fixed Deposit & Certificate of Deposit	Interest bearing Current A/c.	State Bank of India Cash Deposits	Total
	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.
Division I	737.77	274,02,42,100.00	23,05,63,852.31	1,40,009.59	2,97,09,46,699.67
Division II (W.S.)	8,39,92,100.00	2,88,27,100.00	..	95,824.83	11,29,15,024.83
Division III (E.S.)	13,04,800.00	6,66,01,100.00	36,799.43	31.00	6,79,42,730.43
Total	8,52,97,637.77	2,83,56,70,300.00	23,06,00,651.74	2,35,865.42	3,15,18,04,454.93

APPENDIX No. 7

CAPITAL ACCOUNT BALANCE SHEET AS AT 31ST MARCH 1991 (Budget 'A')

(Consolidated)

LIABILITIES

PARTICULARS	Div. I Rs. P.	Div. II Rs. P.	Div. III Rs. P.	Rs. P.	Total Rs. P.
Loans Outstanding Due to Public	2,13,56,85,233.43	1,53,19,96,460.00	71,00,00,000.00		4,37,76,81,693.43
Down payment towards environmental improvement Loan under S. U. P.	4,80,800.00	..	..	..	8,40,800.00
Advance from Surplus Monies	..	..	..	..	
Trust Fund Account —	..	..	..	..	
Donation from -					
The Trustees of the late Justice Badruddin Tyabji Memorial Fund for the Construction of Orchard House at Victoria Garden	1,694.50	..	..	1,694.50	
Reserve Bank of India for construction of a ward of 38/40 beds for accomodating their sick employees in K.E.M. Hospital	46,577.39	..	..	46,577.39	
State Bank of India for reservation of paying bed scheme	20,00,000.00	..	..	20,00,000.00	
Mrs. K. N. Khanderia for Air conditioning of mobile opthalmic Van No. MRJ 8348 used by TNMC and B. Y. L. Nair Hospital	30,000.00	..	..	30,000.00	
Grant in aid from State Government for beautification of Bombay.	19,22,000.00	50,53,000.00	..	69,75,000.00	
Received from Director of fisheries Maharashtra State, Bombay for development of Botanical Garden	15,00,000.00	..	..	15,00,000.00	
Receipt on account of Prime Minister Grant Project	4,70,49,312.00	..	..	4,70,49,312.00	
Gov. Share of the cost of preliminary Expenditure in connection with preparetion of the master plan for Bombay City and Greater Bombay.	4,56,43,009.00	..	..	4,56,43,009.00	10,32,45,592.89
SURPLUS-					
Capital Assets at Original Cost Over Liabilities Sinking Fund on Loans	49,81,72,298.30	33,12,38,981.49	3,66,95,214.00	86,81,06,473.79	
Contribution from Special Fund	8,03,171.02	..	..	8,03,171.02	
Do. Revenue for Loan Works Establishment	17,869.98	..	..	17,869.98	
Do. Port Trust	1,56,500.00	..	..	1,56,500.00	
Do. Government for Schools	5,00,000.00	..	..	5,00,000.00	
Do. Government for widening the Love Grove Bridge	91,234.00	..	..	91,234.00	
Do. Land and Buildings Fund	43,03,043.42	..	..	43,03,043.42	
Do. Development Fund	1,29,89,110.46	..	..	1,29,89,110.46	
Do. Revenue towards Bai Jerbai Wadia Hospital for Children	7,00,000.00	..	..	7,00,000.00	
Do. Trust Fund	83,23,829.47	4,25,215.69	24,25,000.00	1,11,74,045.16	
Do. Trustees Gokuldas Tejpal Charities	18,123.64	..	..	18,123.64	
Do. Budget 'A' Division I	..	3,00,000.00	..	3,00,000.00	
Special central Assistant recommended by XI finance Commission	15,07,00,000.00	..	..	15,07,00,000.00	
Grant-in-aid from Govt. for widening the Road in Colaba Division	12,975.87	..	..	12,975.87	
Grant in Aid from Infrastructure Compost Plan	26,36,152.00	..	..	26,36,152.00	
Central Govt. Assistance for flood damage	8,86,86,780.00	68,43,57,008.01	..	1,33,52,63,507.11	2,47,41,88,988.45
Loan Redemption Fund	65,09,06,499.10	..	..	1,32,27,48,440.89	
Grand Total	3,85,37,46,213.58	2,55,33,70,845.19	74,91,20,214.00		6,65,62,37,072.77

APPENDIX No. 7

CAPITAL ACCOUNT BALANCE SHEET AS AT 31ST MARCH 1991 (Budget 'A')

(Consolidated)

	ASSETS			
PARTICULARS	Div. I Rs. P.	Div. II Rs. P.	Div. III Rs. P.	Total Rs. P
BLOCK ACCOUNT -				
Loan Funds -				
Property and Assets at original cost	2,71,75,97,236.77	2,12,54,60,570.23	69,90,26,063.00	5,54,21,03,890.00
TRUST FUND -				
Expenditure	4,55,55,789.48	14,17,943.05	..	4,69,73,732.53
MUNICIPAL LAND AND BUILDINGS FUND -				
Land purchased and Buildings erected	43,03,043.42	..	..	43,03,043.42
INVESTMENTS -				
SINKING FUND	49,81,72,298.30	33,12,38,961.49	3,66,95,214.00	86,61,06,473.79
LOANS AND TRUST FUNDS -				
Amount reserved for Capital Stores	2,71,57,177.41	..	..	2,71,57,177.41
BALANCE HELD IN -				
In Securities	..	40,60,200.00	..	40,60,200.00
In Fixed Deposits	36,09,60,600.00	9,11,72,900.00	1,33,98,900.00	46,55,32,400.00
In Current Account Deposits	..			..
In Cash	68.20	70.42	17.00	155.62
	36,09,60,668.20	9,52,33,170.42	1,33,98,917.00	46,95,92,755.62
Grand Total	3,65,37,46,213.58	2,55,33,70,845.19	74,91,20,214.00	6,95,62,37,072.77

APPENDIX No. 8

(CONSOLIDATED)

Capital Works Expenditure Budget 'A' (Summary)

CAPITAL ACCOUNT	TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1990				CAPITAL WORKS EXPENDITURE DURING THE YEAR 1990-91				TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1991			
	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.	10,23,88,796	4,92,81,842	6,48,769	15,22,99,207	55,28,980	1,74,775	2,41,315	59,45,070	10,79,17,776	4,94,36,417	8,90,084	15,82,44,277
Education, Primary	27,98,012	1,24,024	..	29,22,036	..	..	..	..	27,98,012	1,24,024	..	29,22,076
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.	4,63,38,592	2,74,85,980	1,22,47,621	8,60,72,193	67,30,795	40,28,893	73,77,448	1,81,37,136	5,30,69,387	3,15,14,873	1,96,25,069	10,42,09,329
IV-S.W.Drains etc.	43,71,04,351	42,27,84,894	6,79,79,937	92,78,69,182	77,82,458	1,90,30,960	2,42,69,883	5,10,83,300	44,48,86809	44,18,15,854	9,22,49,820	97,89,52,483
V-Mechaincal	17,02,952	87,576	..	17,70,528	..	..	..	..	17,02,952	87,576	..	17,70,528
VI-Bldgs. Land Acqn. etc.	17,18,06,665	6,76,79,173	80,23,074	24,75,10,912	Cr. 20,83,204	36,44,072	Cr. 540,653	13,20,215	16,97,25,461	7,16,23,245	74,82,421	24,88,31,127
VII-Fire Brigade	2,22,33,372	4,60,78,324	3,56,668	6,86,68,364	32,12,809	1,72,730	1,41,017	35,26,556	2,54,46,181	4,62,51,054	4,97,685	7,21,94,920
VIII-Licensing, Removal of Encroachments	12,96,652	..	..	12,96,652	..	..	..	..	12,96,652	..	..	12,96,652
IX-Gardens & Open Spaces	7,05,25,977	18,90,40,413	9,01,73,705	32,97,40,095	26,01,231	1,14,41,138	64,54,500	2,04,96,869	7,31,27,208	18,04,81,551	9,66,28,205	35,02,36,964
X-Markets	8,17,18,116	3,55,34,667	52,26,012	12,24,78,815	10,53,182	39,970	19,09,093	30,02,245	8,27,71,298	3,55,74,657	71,35,105	12,54,81,060
XI-Deonar Abattoir	5,70,51,212	..	3,98,88,103	9,69,39,315	..	..	16,31,676	16,31,676	5,70,51,212	..	4,15,19,779	9,85,70,991
Slum Service	50,75,492	..	..	50,75,492	..	..	.	..	50,75,492	..	..	50,75,492
XII-Village Amenities	..	1,95,75,248	1,02,05,455	2,97,80,703	.	28,40,455	28,50,439	56,90,894	..	2,24,15,703	1,30,55,894	3,57,41,597
Measures for Civil Defence	1,67,148	..	..	1,67,148	..	..	..	..	1,67,148	..	..	1,67,148
Greater Bombay	2,81,069	..	..	2,81,069	..	..	..	..	2,81,069	..	..	2,81,069
XIII-Industrial Estates	1,32,12,656	80	..	1,32,12,736	5716	..	..	5,716	132,18,372	80	..	1,32,18,452
XIV-Centenary Celebration Works	..	2,85,05,355	82,89,686	3,67,95,041	..	7,625	1,04,136	1,11,961	..	2,85,13,180	83,93,822	3,69,07,002
Municipal Power Laundry	2,23,935	..	..	2,23,935	..	..	..	..	2,23,935	..	..	2,23,935
Discount & Other XV-Traffic Operations	73,06,00,885	61,86,47,795	30,71,60,146	165,66,08,826	9,01,57,858	7,35,05,164	5,96,63,694	23,35,29,516	82,09,58,543	89,21,55,959	36,70,23,840	208,01,38,342
XVI-Works under B. U. D. P. I	7,58,20,232	..	..	7,58,20,232	6,70,35,532	..	..	6,70,35,532	14,28,55,764	..	.	14,28,55,764

APPENDIX No. 8 (Contd.)

(CONSOLIDATED)

Capital Works Expenditure Budget 'A' (Summary)

CAPITAL ACCOUNT	TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1990				CAPITAL WORKS EXPENDITURE DURING THE YEAR 1990-91				TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1991			
	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.
200-Public Health Department	3,81,03,213	4,62,77,200	91,84,470	9,45,44,883	8,96,867	9,55,080	8,96,293	27,48,2760	4,00,00,100	4,72,32,280	1,00,80,763	9,72,93,143
2001-Medical Relief & Education	51,43,58,384	20,96,91,420	2,45,36,188	74,87,85,992	1,91,43,409	71,49,222	18,49,650	2,81,42,281	53,35,01,793	21,70,40,642	2,63,85,838	77,69,28,273
2008-Measures to control environmental air pollution in Greater Bombay	1,37,60,450	. .	. .	1,37,60,450	801	. .	. .	801	1,37,61,251	. .	. .	1,37,61,251
Suspense Account Mechanical Transport compost plant & Printing Press	1,02,18,395	3,13,94,129	94,318	4,17,06,842	70,519	. .	. .	70,519	1,02,888.14	3,13,94,129	94,318	4,17,77,361
Municipal Work Shop	. .	. .	. .	. .	1,70,372	. .	. .	1,70,372	1,70,372	. .	. .	1,70,372
Slum relocation programme on a/c of implementation of major project in Brihan Mumbai	92,59,020	. .	. .	92,59,020	14,71,137	. .	. .	14,71,137	1,07,30,157	. .	. .	1,07,30,157
Plant and Machinery out of different Special Fund	55,823	. .	. .	55,823	. .	. .	. .	. .	55,823	. .	. .	55,823
Plant and Machinery out of Loan Fund	8,43,50,574	2,70,65,573	74,54,161	11,83,70,308	2,07,47,155	26,61,510	21,60,955	2,55,69,620	10,50,97,729	2,97,27,083	96,15,116	14,44,39,928
Total (1) Loan Fund	249,32,41,292	199,95,25,776	58,56,57,818	5,07,84,24,886	22,43,55,945	12,59,54,794	11,33,66,265	46,36,709,004	271,75,97,237	212,54,80,570	69,90,26,083	554,21,03,930
2- Trust Fund Works executed	1,68,38,174	12,42,901	. .	1,80,79,075	2,80,65,760	1,75,042	. .	2,82,60,802	4,49,21,934	14,17,943	. .	4,63,39,877
3-Land Bldg. Fund Land purchased & Bldgs. erected	43,03,044	. .	. .	43,03,044	. .	. .	. .	. .	43,03,044	. .	. .	43,03,044
Grant Total	251,43,80,510	200,07,68,677	58,56,57,818	5,10,08,07,005	25,24,41,705	12,61,29,836	11,33,66,265	49,19,39,806	276,68,22,215	212,68,98,513	69,90,26,083	559,27,46,851

APPENDIX No. 11

(Consolidated)

Outstanding Balances of Loans on 31st March 1991 pertaining to Budget 'A'

Sr. No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1990
1	2	3	4
	BUDGET 'A' DIV. I		Rs.
	Loans raised from Public		
1	Rs.300 lakhs Loan 1965 66	6%	3,00,00,000.00
2	Rs. 200 lakhs Loan 1965 66	6%	2,00,00,000.00
3	Rs. 400 lakhs Loan 1966-67	6%	4,00,00,000.00
4	Rs. 250 lakhs Loan 1966-67	6%	2,50,00,000.00
5	Rs. 800 lakhs Loan 1967-68	6%	8,00,00,000 00
6	Rs. 325 lakhs Loan 1968-69	6%	3,25,00,000.00
7	Rs. 200 lakhs Loan 1972-73	6%	2,00,00,000 00
8	Rs. 400 lakhs Loan 1972-73	6%	4,00,00,000 00
9	Rs. 250 lakhs Loans 1973-74*	6%	2,50,00,000.00
10	Rs. 250 lakhs Loans 1974-75	6.1/4%	2,50,00,000.00
11	Rs. 100 lakhs Loan 1975-76	6.1/4%	1,00,00,000.00
12	Rs. 300 lakhs Loan 1976-77	6.1/4%	3,00,00,000.00
13	Rs. 400 lakhs Loan 1977-78	7.1/2%	4,00,00,000.00
14	Rs. 150 lakhs Loan 1978-79	6.1/2 %	5,50,00,000.00
15	Rs. 550 lakhs Loan 1979-80	6.1/2%	8,00,00,000.00
16	Rs. 450 lakhs Loan 1980-81	7%	4,95,00,000.00
17	Rs. 800 lakhs Loan 1980-81	6.3/4 %	8,00,00,000.00
18	Rs. 600 lakhs Loan 1981-82	7.1/4%	6,60,00,000.00
19	Rs. 500 lakhs Loan 1981-82	7%	5,00,00,000.00
20	US 6.50 Millions Loan from world Bank (I. B. R. D.) thro BMRDA	9.2%	2,17,29,054.57
21	Rs. 600 lakhs Loan 1982-83	7.1/2%	6,60,00,000.00
22	Rs. 600 lakhs Loan 1982-83	7.1/2%	6,00,00,000.00
23	Rs. 600 lakhs Loan 1983-84	8.3/4%	6,60,00,000.00
24	Rs. 700 lakhs Loan 1983-84	8.3/4%	7,00,00,000.00
25	Rs.1100 lakhs Loan 1984-85	9%	12,10,00,000.00
26	Rs. 700 lakhs Loan 1984-85	9%	7,00,00,000.00
27	Rs. 546 lakhs Loan 1985-86	9.3/4%	5,46,00,000.00
28	Rs. 2000 lakhs Loan 1985-86	9.3/4%	20,00,00,000.00
29	Rs. 76 Lakhs Loan from General Insurance Corporation of India through G.O.M. for Purchase of Capital Fire Fight Equipments 1985-86	9.3/4%	55,73,333.32
	BUDGET 'A' DIV. I		Rs
	Loans raised from Public		
30	Rs. 51.97 Crores Loans for Affordable Low Income Shelter Programme B.U.D.P.I.	8 1/2%	14,94,57,961 00
31	Rs. 1100 lakhs Loan 1986-87	11%	11,00,00,000.00
32	Rs. 1000 lakhs Loan 1986-87	11%	10,00,00,000.00
33	Rs. 1354 lakhs Loan 1987-88	11%	13,54,00,000.00
34	Rs. 300 lakhs Loan 1987-88	11%	3,00,00,000.00
35	Rs.1610 lakhs Loan 1988-89	11.1/2%	16,10,00,000.00
36	Rs. 1270 lakhs Loan 1989-90	11.1/2%	12,70,00,000.00
37	Rs. 300 lakhs Loan 1989-90	11.1/2%	3,00,00,000.00
	Total		2,31,07,60,348.89
	Less: Amount transferred to Budget 'G'		17,50,75,115.46
	Total Div. I		2,13,56,85,233.43
	BUDGET 'A' DIV. II (Subs.)		
	Loans raised from Public		
38	Rs. 50 lakhs Loan 1965-66	6 %	50,00,000.00
39	Rs. 50 lakhs Loan 1966-67	6 %	50,00,000.00
40	Rs. 50 lakhs Loan 1967-68	6 %	50,00,000.00
41	Rs. 100 lakhs Loan 1968-69	6 %	50,00,000.00
42	Rs. 100 lakhs Loan 1972-73	6 %	1,00,00,000.00
43	Rs. 100 lakhs Loan 1973-74	6%	1,00,00,000.00
44	Rs. 100 lakhs Loan 1974-75	6.1/4%	1,00,00,000.00
45	Rs. 250 lakhs Loan 1975-76	6.1/4%	2,50,00,000.00
46	Rs. 300 lakhs Loan 1976-77	6.1/4%	3,00,00,000.00
46	Rs. 250 lakhs Loan 1976-77	6.1/4%	2,50,00,000.00
47	Rs. 250 lakhs Loan 1976-77	6.1/2%	2,50,00,000.00
48	Rs. 250 lakhs Loan 1978-79	6.1/2 %	2,50,00,000.00
49	Rs. 450 lakhs Loan 1980-81	7 %	4,95,00,000.00
50	Rs. 250 lakhs Loan 1980-81	6.3/4%	2,50,00,000.00
	Total Div. II		22,95,00,000.00

APPENDIX No. 11 (Contd.)

(Consolidated)

Outstanding Balances of Loans on 31st March 1991 pertaining to Budget 'A'

Sr. No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1990
1	2	3	4
	BUDGET 'A' DIV. III		Rs.
	(Extd. Subs.)		
	Loan raised from Public		
51	Rs. 50 lakhs Loan 1965-66	6 %	50,00,000.00
52	Rs. 40 lakhs Loan 1966-67	6 %	40,00,000.00
53	Rs. 20 lakhs Loan 1967-68	6 %	20,00,000.00
54	Rs. 100 lakhs Loan 1972-73	6 %	1,00,00,000.00
55	Rs. 50 lakhs Loan 1973-74	6 %	50,00,000.00
56	Rs. 50 lakhs Loan 1974-75	6.1/4%	50,00,000.00
57	Rs. 50 lakhss Loan 1975-76	6.1/4%	50,00,000.00
58	Rs. 150 lakhs Loan 1976-77	6.1/4%	1,50,00,000.00
59	Rs. 75 lakhs Loan 1976-77	6.1/4%	75,00,000
60	Rs. 450 lakhs Loan 1980-81	7.3/4%	4,95,00,000.00
61	Rs. 150 lakhs Loan 1980-81	6.3/4 %	1,50,00,000.00
	Total Div. III		12,30,00,000.00
	Budget 'A' Div. II		
	(Subs. / Ext. Subs.)		
62	Rs. 650 lakhs Loan 1981-82	7.1/4%	7,15,00,000.00
63	Rs. 100 lakhs Loan 1981-82	7.1/4%	1,10,00,000.00
64	Rs. 500 lakhs Loan 1981-82	7 %	5,00,00,000.00
65	Rs. 775 lakhs Loan 1982-83	7.1/2%	8,52,50,000.00
66	Rs. 500 lakhs Loan 1982-83	7.1/2%	5,00,00,000.00
	Total Div. II		26,77,50,000.00
	Total		62,02,50,000.00
	Less: Amount transferred to Budget 'G'		– 2,36,53,540.00
	Total Div. II & III		59,65,96,460.00
	BUDGET 'A' DIV. II (W.S.)		**Rs.**
67	Rs. 800 lakhs Loan 1983-84	8.3/4%	8,80,00,000.00
68	Rs. 1500 lakhs Loan 1984-85	9.3/4%	16,50,00,000.00
69	Rs. 2200 Lakhs Loan 1985-86	9 %	22,00,00,000.00
70	Rs. 1089 lakhs Loan 1986-87	11 %	10,89,00,000.00
71	Rs. 600 lakhs Loan 1986-87	11 %	6,00,00,000.00
72	Rs. 1870 lakhs Loan 1977-78	11 %	18,70,00,000.00
73	Rs. 430 lakhs Loan 1988-89	11.1/2%	4,30,00,000.00
74	Rs. 635 lakhs Loan 1989-90	11.1/2%	6,35,00,000.00
	Total Div. II (W.S.)		93,54,00,000.00
75	Budget A Div. III (E.S.)		
	Rs. 400 lakhs Loan 1983-84	8.3/4%	4,00,00,000.00
76	Rs. 500 lakhs Loan 1984-85	9 %	5,00,00,000.00
77	Rs. 2000 Lakh Loan 1985-86	9.3/4%	20,00,00,000.00
78	Rs. 1500 lakhs Loan 1986-87	11 %	15,00,00,000.00
79	Rs. 1500 lakhs Loan 1987-88	11 %	15,00,00,000.00
80	Rs. 1200 lakhs Loan 1989-90	11.1/2%	12,00,00,000.00
	Total Div. III (E.S.)		71,00,00,000.00
	Grand Total Budget 'A'		4,37,76,81,693.43

APPENDIX - 15

(Consolidated) Budgets 'A' and 'B'

Statement showing Receipts and Expenditure during the year 1990-91 and balance to the credit of the Municipal General Fund at the close of the year i.e. 31st March 1991.

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' (Part I)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
RECEIPTS				
A) Revenue Account Receipts				
1. General Tax, Indirect Taxation and Miscellaneous Revenue				
A — General Tax	26,28,35,068.92	28,63,53,015.88	10,58,85,212.36	65,50,73,297 16
B — Octroi	3,51,59,11,871.10	. .	. .	3,51,59,11,871.10
BB — Theatre Tax	15,73,282.95	9,67,883.62	5,86,039.95	31,27,206.52
C — Other Receipts				
(a) Grant-in-Aid of Fees for land conveyance, Music etc. Licenses	. .	. .	. .	. .
(b) Grant-in-Aid in respect of Fines for Offices against the Law	46,58,607.00	. .	. .	46,58,607.00
(c) Interest and Profit on Investment of Surplus Loan and Other Balances	19,28,86,074.69	1,41,79,990.40	85,65,605.00	21,56,31,670.09
(d) Miscellaneous	3,61,91,675.42	45,12,522.76	14,10,709.86	4,21,14,908.04
(e) Receipts on account of Municipal Journal	30,136.00	. .	. .	30,136.00
(f) Receipt from Bombay Municipal Security Force (Band Service)	10,457.00	. .	. .	10,457.00
(g) Receipt from P.R.O. Department	2,58,810.11	. .	. .	2,58,810.11
D — Receipts on account of proportionate Cost of Collection of Education Cess	10,86,135.00	5,87,290.51	3,34,929.70	20,08,355.21
Total . .	4,01,54,42,118.19	30,66,00,703.17	11,67,82,496.87	4,43,88,25,318.23
2. Museums.	3,63,391.02	. .	. .	3,63,391.02
3. Free Reading Rooms and libraries	. .	. .	. .	. .
4. Municipal High School	8,19,46,055.85	. .	. .	8,19,46,055.85
5. Street Cleansing, Conservancy and Halalkhore Service	1,16,96,159.00	53,57,339.00	26,65,840.22	1,97,19,338.22
6. S. W. Drains etc.	1,24,636.95	62,321.35	10,225.76	1,97,184.06
7. Mechanical and Electrical	7,04,311.97	4,08,916.37	10,727.34	11,23,955.68
8. Buildings, Land Acquisition and Management				
A — Sale Proceeds of Land	. .	. .	. .	. .
B — Other Receipts				
(a) Rent of Buildings	64,32,432.35	5,16,790.80	50,958.10	70,00,181.25
(b) Ground Rent	20,02,995.29	19,709.38	70,497.50	20,93,202.17
(c) Miscellaneous	2,55,55,362.14	7,89,58,861.91	2,04,84,678.55	12,49,98,902.60
(d) D. P. Remarks	41,166.80	. .	. .	41,166.80
(e) Sale of certied copy of B form	3,11,127.00	2,99,290.80	. .	6,10,417.80

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' Receipts — (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
C— Contribution from Capital Funds on account of Special Land Acquisition Staff	3,10,693.32	. .	. .	3,10,693.32
Total	3,46,53,776.90	7,97,94,652.89	2,06,06,134.15	13,50,54,563.95
9. Fire Brigade				
A —File Tax	1,71,73,813.69	1,79,12,097.38	66,55,634.61	4,17,41,545.68
B —Other Receipts	2,49,348.93	7,72,859.36	3,786.14	10,24,994.43
Total	1,74,23,162.62	1,86,84,956.74	66,59,420.75	4,27,67,540.11
10. Licensing and Removal of Encroachments on Public Streets				
A—Licences for Dangerous and Offensive Trades	1,94,23,281.31	1,40,51,638.30	91,49,075.77	4,26,23,995.38
B—Removal of Encroachments on Public Streets etc.	2,43,09,873.37	56,39,820.31	23,36,599.15	3,22,86,292.83
C—Miscellaneous	3,56,78,888.31	2,75,01,272.89	1,21,90,517.79	7,53,70,679.99
	7,94,12,042.99	4,71,92,731.50	2,36,76,192.71	15,02,80,967.20
11. Administration of Shops and Establishment Act 1948.	55,96,086.00	26,56,719.50	12,88,587.35	95,41,392.85
12. Gardens and Open Spaces	28,85,544.00	37,14,385.57	22,85,496.52	88,85,426.09
13. Markets	4,51,86,967.74	1,02,93,181.22	67,48,323.28	6,22,28,472.24
14. Deonar Abattoir	. .	. .	5,35,81,665.17	5,35,81,665.17
15. Traffic Operations, Road and Bridges-				
A — Wheel Tax	1,70,96,904.67	58,00,719.34	40,16,607.00	2,69,14,231.01
B — Contribution from Govt. in lieu of Tolls	24,677.00	20,637.00	. .	45,314.00
C— Other Receipts	2,13,98,665.18	4,20,64,562.62	1,77,19,659.71	8,11,82,887.51
D—Ferry Receipts	. .	1,54,345.77	. .	1,54,345.77
E—Receipts from Pay and Park Scheme	25,00,512.00	6,670.00	. .	25,07,182.00
Total	4,10,20,758.85	4,80,46,934.73	2,17,36,266.71	11,08,03,960.29
16. Contribution from Capital Funds to Revenue Account of Loan Works Staff	2,02,31,672.52	1,24,31,658.85	1,15,84,341.80	4,42,47,673.17
17. Extra Ordinary Receipts	1,14,575.00	. .	. .	1,14,575.00
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.	76,91,242.00	14,46,855.00	. .	91,38,097.00
20. Share in Entertainment Tax etc.	2,27,25,248.00	. .	. .	2,27,25,248.00
21. Share in Non-Agricultural Assessment Tax	. .	. .	. .	. .
Total Part — I	4,38,72,17,749.60	53,66,91,355.89	26,76,35,718.63	5,19,15,44,824.12
Budget 'A' (Part—II)				
31. Public Health Department	66,90,075.50	43,25,899.16	21,38,199.39	1,31,54,174.05
32. Medical Relief and Education	2,64,32,781.32	51,43,212.64	38,05,833.03	3,53,81,826.99

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' Receipts – (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
33. Measures to Control Environmental Air Polution in Greater Bombay	70,81,393.16	72,51,035.70	40,82,369.90	1,84,14,798.76
Total- Part –II	4,02,04,249.98	1,67,20,147.50	1,00,26,402.32	6,69,50,799.80
Total – (A) Revenue Receipts	442,74,21,999.58	55,34,11,503.39	27,76,62,120.95	5,25,84,95,563.92
(B) Capital Account Receipts –				
Loan Funds - Capital Receipts –				
Debt Principal New Loans of 89-90	18,21,77,650.22	6,35,00,000.00	12,00,00,000.00	36,56,77,650.22
Advance from Surplus Monies for Financing Loan Works Expenditure				
Special Funds	. .	. .	. .	. .
Recoupment of Advances from Loan Funds for Purchase of Plant and Machinery	4,55,29,911.00	46,05,617.88	16,36,443.28	5,17,71,972.16
Non-recurring grant in aid for Infrastructural				
Feed Compost Plant	. .	. .	. .	. .
Special Central Assistance by IX Finance Commission	15,07,00,000.00	. .	. .	. .
Trust Fund –				
Donations	2,50,00,000.00	39,75,000.00	24,25,000.00	3,14,00,000.00
Govt. Share of the cost of preliminary Expenses in connection with preparation of the Master Plan for Bombay City and Greater Bombay	2,06,43,009.00	. .	. .	2,06,43,009.00
Total - (B) Capital Receipts I + II	42,40,50,570.22	7,20,80,617.88	12,40,61,443.28	62,01,92,631.38
(C) Suspence Account Receipts –				
I – Sinking and Special Fund Accounts –				
Sinking Fund Account (Municipal)	9,62,93,559.62	12,49,11,406.69	1,16,85,841.00	23,28,90,807.31
Special Fund Account	1,11,93,53,965.43	14,59,66,980.00	. .	1,26,53,20,945.43
Total – I (S and S. Funds)	1,21,56,47,525.05	27,08,78,386.69	1,16,85,841.00	1,49,82,11,752.74
II – Paper and Cash Accounts –				
1. Sinking Fund	3,74,51,441.89	13,50,74,083.63	500.00	17,25,26,025.52
2. Special Funds	40,63,53,534.59	. .	. .	40,63,53,534.59
3. Surplus Fund	95,22,36,268.15	11,71,32,547.20	13,16,86,200.00	1,20,10,55,015.35
4. Loan Fund	34.22	3,78,60,073.92	. .	3,78,60,108.14
4A. Trust Fund	51.35	. .	. .	51.35
5. State Bank of India and Other Local Banks on Account of Sundry Deposits	9,62,20,88,008.99	45,64,32,329.99	1,87,92,828.75	10,09,73,13,167.73
Total-II (Paper & Cash)	11,01,81,29,339.19	74,64,99,034.74	15,04,79,528.75	11,91,51,07,902.68
III-Other Suspense Accounts –				
Deposits Accounts	7,77,43,75,834.09	75,79,32,221.68	66,66,29,015.50	9,19,89,37,071.27
Reserve Stores Accounty	17,83,51,075.89	. .	. .	17,83,51,075.89
Capital Stores Accounts	14,98,31,746.49	. .	. .	14,98,31,746.49
Purchase of Petrol and Diesel Oil	65,40,891.24	38,53,544.94	. .	1,03,94,436.18

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' Receipts — (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
Advances to Public Including Co-operative for Housing purposes	2,01,86,871.52	. .	. .	2,01,86,871.52
Advances Department Works	75,28,962.91	45,29,042.48	44,57,995.90	1,65,16,001.29
Advances Dept. Works— Traffic Amenities	. .	. .	. .	. .
Advances Municipal Workshops	1,16,62,099.43	8,77,140.80	2,44,811.13	1,27,84,051.36
Municipal Foundry	23,02,758.63	. .	. .	1,27,84,051.36
Worli Crushers	. .	. .	. .	. .
Mechanical Transport	9,72,58,701.19	3,73,47,445.29	. .	13,46,06,146.48
Asphalt Plant	71,67,099.65	. .	. .	71,67,099.65
Municipal Printing Press	3,07,92,876.21	. .	. .	3,07,92,876.21
Rota Printing Unit	38,65,172.95	. .	. .	38,65,172.95
Advances Private Works	1,89,90,443.85	. .	. .	1,89,90,443.85
Advances Private Works— Traffic Amenities	. .	1,39,513.54	2,13,827.42	3,53,340.96
Reinstatement of Trenches	2,62,57,128.89	DR. 78,21,425.22	36,49,917.44	2,20,85,621.11
Advances Special Funds Welfare Fund II	73,90,651.73	58,500.00	. .	74,49,151.73
Municipal Contractors	7,85,537.87	21,547.29	32,754.87	8,39,840.03
Municipal Tenderers	. .	. .	. .	. .
Sundry Advances Miscellaneous	20,58,84,798.53	6,60,97,877.43	3,83,15,703.50	31,02,98,379.46
Advances for Demolition of Unauthorised Structures and for removal of unsafe Buildings	11,76,822.94	9,847.18	64,819.86	12,51,489.98
Advances for conversion of Basket Privies etc.	. .	. .	. .	. .
Advances to Municipal Officers				
(i) Standing advance for contingent exp.	1,00,000.00	12,505.35	69,611.45	1,82,116.80
(ii) Motor Car and Motor Cycle to Officers	13,38,420.00	. .	. .	13,38,420.00
(iii) Bicycles to Subordinate staff	. .	. .	. .	. .
(iv) A.A. Cash for disbursement to salary payment	4,30,89,355.87	60,00,000.00	99,68,627.00	5,90,57,982.87
(v) A.A. Cash for disbursement of salary of March	. .	1,33,86,946.25	. .	1,33,86,946.25
Interest accrued But Not Paid	8,74,319.44	3,48,292.31	. .	12,22,611.75
Interest receivable Account	. .	. .	. .	. .
Provident Fund	46,45,61,988.30	. .	56,54,758.37	47,02,16,746.67
Pension Recovery cheques Payable a/c.	4,93,14,051.03	. .	. .	4,93,14,051.03
Fines Fund	83,367.29	. .	. .	83,367.29
Fidelity Guarantee Insurance Fund	79,554.01	. .	. .	79,554.01

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' Receipts — (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
B.M.C. Loans Interest Warrants Payable A/c	8,16,08,941.67	10,97,77,330.24	. .	19,13,86,271.91
Dishonoured Cheques	3,81,08,941.67	3,15,70,576.47	1,12,61,230.18	8,09,98,322.77
Cash Bills Outstanding Accounts	5,00,869.63	55,749.51	33,198.04	5,89,817.18
Cheques Payable	17,07,30,14,242.86	1,58,37,24,049.08	1,23,46,63,932.87	19,89,14,02,224.81
Wages Deposit Account	. .	. .	. .	. .
Loan Redumption Fund Municipal	2,76,18,682.04	. .	. .	2,76,18,682.04
Repayment of Loans	. .	37,83,020.00	. .	37,83,020.00
Interest on B.M.C. Loans payable Account	2,46,892.50	4,17,870.01	. .	6,64,762.51
Municipal Power Laundry	1,08,92,367.62	. .	. .	1,08,92,367.62
Advances from Surplus Monies for financing Loan Works Expenditure	89,39,518.93	. .	. .	89,39,518.93
Compost plant debt charges	. .	. .	. .	. .
Pension Fund	78,39,75,044.49	. .	. .	78,39,75,044.49
Gratuities Fund	36,05,505.69	. .	. .	36,05,505.69
Amount transferred within Budget 'A' Divns.	1,22,16,24,658.54	1,31,37,69,330.71	1,04,31,47,148.02	3,57,85,41,137.27
Amounts transferred to Budget 'G'	1,94,20,65,300.86	. .	. .	1,94,20,65,300.86
Improving Common House Gullies	93,684.45	. .	. .	93,684.45
Contribution Receivable from Budget 'E'	96,21,44,605.14	. .	. .	96,21,44,605.14
Advance for Deposit with outside bodies	1,250.00	. .	. .	1,250.00
Unadjusted Reserve Stores Account Stock	5,56,20,819.09	. .	. .	5,56,20,819.09
Halalkhore Services	. .	. .	. .	. .
Advances Receivable from Municipal Contractors	6,67,78,565.27	. .	. .	6,67,78,565.27
Advances Special Funds for Purchase of Plant andMachinery	. .	. .	. .	. .
Municipal Debt Interest	. .	14,03,61,787.30	. .	14,03,01,787.30
Advances for unforseen works during draught period	. .	. .	. .	. .
Adv. for consolidation of passing in put compant	. .	. .	. .	. .
Adv. Sepcial Fund charges to be metout as pension fund	. .	. .	. .	. .
Total III — (Other Sup.)	31,38,66,87,992.87	4,06,61,92,712.64	3,01,84,07,351.53	38,47,12,88,057.04
Total (C) Suspense Receipts	43,62,04,64,857.11	5,08,35,70,134.07	3,18,05,72,721.28	51,88,46,07,712.46
Total Receipts Budget 'A'	48,47,19,37,426.91	5,70,90,62,255.34	3,58,22,96,285.51	57,76,32,95,967.76
Tree Authority Budget	1,65,60,596.87	. .	. .	1,65,60,596.87

Account Heads	Improvement Scheme	Slum Improvement	Slum Clearance (City)	Slum Clearance (Western & Eastern Suburbs)	Total Budget 'B'
	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.
BUDGET'B' RECEIPTS					
(A) General Account Revenue					
I Rent and other Proceeds of Properties	2,56,95,505.68	5,57,29,703.94	42,81,144.36	11,03,730.11	8,68,10,084.00
II Contribution from B. M. C. under section 125(2) (d) of the B.M.C. Act.	4,19,98,210.00	. .	. .	. .	4,19,98,210.00
IV Interest and Profit on Investments	. .	. .	. .	. .	. .
V. Miscellaneous Receipts	57,47,903.52	2,12,37,950.02	. .	2,23,407.11	2,72,09,260.65
VI Grant Assistance from Govt. of India for Improvement Slums	. .	. .	. .	. .	. .
VII Appropriation from Capital Account to meet the deficit	6,55,32,292.94	. .	51,10,381.61	46,99,193.00	7,53,41,867.55
Contribution from Budget 'A'	. .	. .	. .	. .	. .
Total (A) General Account Revenue	13,89,73,912.14	7,69,67,653.96	93,91,525.97	60,26,330.22	23,13,59,422.29
(B) Capital Account Receipts					
Sale Proceeds of Lands, Building etc.	7,55,276.16	. .	. .	2,08,134.04	9,63,410.20
Transfer of Revenue Surplus from General Account	. .	2,19,42,510.23	. .	. .	2,19,42,510.23
New Loans raised during 1989-90	. .	. .	. .	. .	. .
Advances from Surplus Monies	6,96,63,707.36	. .	51,85,018.37	44,91,058.96	7,93,39,784.69
Reimbursement from Bombay Housing & Area Development Board	. .	2,10,30,562.00	. .	. .	2,10,30,562.00
Reimbursement from Collector of Bombay Suburban District	. .	4,37,47,201.00	. .	. .	4,37,47,201.00
Special Central Assistance	. .	2,50,00,000.00	. .	. .	2,50,00,000.00
Total (B) Capital Receipts	7,04,18,983.52	11,17,20,273.23	51,85,018.37	46,99,193.00	19,20,23,468.12

Account Heads	Improvement Scheme	Slum Improvement	Slum Clearance (City)	Slum Clearance (Western & Eastern Suburbs)	Total Budget 'B'
	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.
BUDGET 'B' Receipts — (Contd.)					
(C) Suspense Account Receipts					
1. Sinking and Special Funds Accounts					
(a) Sinking Fund Account	58,36,327.04	8,42,069.50	26,72,892.38	26,04,733.33	1,19,56,022.25
(b) Investment Reserve Fund Accounts	20,31,577.00	. .	. .	. .	20,31,577.00
(c) Rent Equalisation Fund Account	14,43,669.49	. .	. .	. .	14,43,669.49
(d) Amenities Fund Account	6,50,783.01	. .	. .	. .	6,50,783.01
Total I (S. and S. Funds)	99,62,356.54	8,42,069.50	26,72,892.38	26,04,733.33	1,60,82,051.75
11. Paper and Cash Account					
(a) Sinking Fund	12,10,952.34	. .	33,29,555.79	13,096.16	45,53,604.29
(b) Capital Fund	. .	. .	. .	. .	. .
(c) Investment Reserve Fund	30.00	. .	. .	. .	30.00
(d) Rent Equalisation Fund	1,97,97,843.88	. .	. .	. .	1,97,97,843.88
(e) Amenities Fund	74,03,727.37	. .	. .	. .	74,03,727.37
Total II - (Papers & Cash)	2,84,12,553.59	. .	33,29,555.79	13,096.16	3,17,55,205.54
III—Other Suspense Accounts					
Loan Redemption Fund	. .	. .	32,96,136.91	1,67,817.61	34,63,954.52
B.I.T. Loans Interest Warrants Payable Account	. .	. .	. .	. .	. .
Total — II (Other Susp.)	. .	. .	32,96,136.91	1,67,817.61	34,63,954.52
Total (C) Suspense Receipts	3,83,74,910.13	8,42,069.50	92,98,585.08	27,85,647.10	5,13,01,211.81
Total Receipts Budget 'B'	24,77,87,805.79	18,95,29,996.69	2,38,75,129.42	1,35,11,170.32	47,46,84,102.22

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
	Rs. P.	Rs. P.	Rs. P.	Rs. P.
BUDGET 'A' (Part I)				
EXPENDITURE				
A) Revenue Account -				
I–General Supervision, Collection of Revenue etc.				
A– General Superintendence	13,98,03,681.50	3,03,55,224.84	2,02,38,389.42	19,03,97,295.76
B– Collection of Revenue	9,09,61,011.29	1,96,57,957.25	1,16,41,892.50	12,22,60,879.04
C– Upkeep and guarding of Municipal Offices	1,37,18,522.53	46,22,982.68	30,42,084.03	2,13,83,589.24
D– General Stores	57,26,471.08	. .	. .	57,26,471.08
E– Legal Department	84,46,985.67	2,64,208.08	1,33,682.38	88,44,876.13
F– Miscellaneous Charges	28,37,648.21	1,00,413.13	63,260.00	30,06,321.34
G– Election Expenses	1,12,16,670.60	. .	. .	1,12,16,670.60
I–Debt Charges	1,11,36,629.48	42,11,339.09	9,46,289.33	1,62,94,257.90
J–Encouraging sports activities	. .	. .	. .	. .
K–Payment of Bank Commission Charges	. .	. .	. .	. .
	28,38,47,620.36	5,92,12,143.07	3,60,70,597.66	37,91,30,361.09
Deduct : Proportion of General Superintendence	6,01,86,455.00	1,49,42,797.05	1,01,23,619.72	8,52,52,871.77
	22,36,61,165.36	4,42,69,346.02	2,59,46,977.94	29,38,77,489.32
II–Museums –				
A–Dr. Bhau Daji Lad Museum	7,04,741.21	. .	. .	7,04,741.21
C–Debt Charges	. .	. .	. .	. .
	7,04,741.21	. .	. .	7,04,741.21
III–Free Reading Rooms and Libraries–				
A–Municipal Free Reading Rooms & Libraries	25,000.00	695.00	. .	25,695.00
C–Debt Charges	78,457.99	302.73	. .	78,760.72
	1,03,457.99	997.73	. .	1,04,455.72
IV-Municipal High Schools				
A-Municipal High School	11,47,70,243.03	. .	. .	11,47,70,243.03
C-Pension Fund	35,26,601.92	. .	. .	35,26,601.92
	11,82,96,844.95	. .	. .	11,82,96,844.95
V-Street Cleansing, Conservancy and Halalkhore Service-				
A-Street Cleansing and Conservancy	3,52,82,176.08	1,57,52,258.98	1,04,76,363.77	6,15,10,798.83
B-Collection, Loading, Removal and Disposal of Town Refuse	28,03,05,474.08	10,52,08,275.52	7,07,12,417.08	45,62,26,166.68
C-Halalkhore Service	2,42,26,482.10	2,13,87,570.35	1,01,16,381.17	5,57,30,433.62
D-Staff working under Slum Section	1,99,33,870.35	2,26,46,561.92	3,49,80,103.37	7,75,60,535.64
E-Debt Charges	55,17,991.14	28,84,299.49	40,34,987.40	1,24,37,278.03
	36,52,65,993.75	16,78,78,966.26	13,02,20,252.79	66,34,65,212.80

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' EXPENDITURE – (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
VI-S. W. Drains -				
A-Maintenance of S. W. Drains	2,76,99,128.45	3,69,68,712.34	3,28,64,997.21	9,75,32,838.00
C-Debt Charges	2,57,77,071.63	2,11,53,920.68	1,29,90,105.85	5,99,21,098.16
	5,34,76,200.08	5,81,22,633.02	4,58,55,103.06	15,74,53,936.16
VII-Mechanical and Electrical				
A-Mechanical Engineer's Office Establishment	40,37,198.20	8,14,395.70	. .	48,51,593.90
B-Maintenance of Electric Installations	. .	10,51,544.48	1,37,105.36	11,88,649.84
D-Debt Charges	1,61,209.94	31,523.31	. .	1,92,733.25
E-Contribution to Motor Vehicle (T.P.) Insurance Fund	50,000.00	. .	. .	50,000.00
	42,48,408.14	18,97,463.49	1,37,105.36	62,82,976.99
VIII-Buildings, Land Acquisition and Management -				
A-CityEngineer's Central Office Establishment	95,74,714.40	79,89,671.09	46,79,344.21	2,22,43,729.70
B-Inspection and Supervision of Private Buildings	96,57,978.02	23,74,270.52	16,34,694.67	1,36,66,943.21
C-Architectural	12,36,478.00	. .	. .	12,36,478.00
D-Land Acquisition and Management	1,07,71,760.47	9,08,147.78	13,522.49	1,16,93,430.74
E-Inspection and Supervision of Factories, Workshops and Work Places	7,97,874.51	9,92,505.36	4,25,410.36	22,15,790.23
F-Industrial Estates	7,92,651.84	. .	. .	7,92,651.84
G-Development Plan & Town Planning	71,97,389.91	. .	49,580.10	72,46,970.01
H-Debt Charges	1,06,39,804.92	93,21,597.33	32,56,572.13	2,32,17,974.38
	5,06,68,652.07	2,15,86,192.08	1,00,59,123.96	8,23,13,968.11
Deduct-2.2/1 Percent Supervision chargeable to Imp. Scheme A/c.	4,42,525.45	. .	. .	4,42,525.45
	5,02,26,126.62	2,15,86,192.08	1,00,59,123.96	8,18,71,442.66
IX- Fire Brigade-				
A-Maintenance	2,82,56,661.27	69,45,692.96	50,96,345.61	4,02,98,654.84
C-Pension Gratuities and Compassionate Allowances	22,00,010.00	5,50,080.00	5,13,810.00	32,63,900.00
D-Proportion of General Supervision and Collection of Revenue	20,75,620.00	5,70,721.35	3,27,016.66	29,73,358.01
E-Debt Charges	51,03,122.70	68,72,499.08	4,76,785.45	1,24,52,407.23
F-Contribution to Fire Brigade Employees Accident Compensation Fund	1,00,000.00	. .	. .	1,00,000.00
	3,77,35,368.97	1,49,38,993.39	64,13,957.72	5,90,88,320.08

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' EXPENDITURE — (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
X- Licensing and Removal of Encroachments on Public Streets				
A-Licensing Establishment	90,43,298.83	32,97,224.11	22,22,821.83	1,45,63,344.77
B-Removal of Encroachment on Public Streets	1,18,28,928.34	43,81,259.81	28,28,554.63	1,90,38,742.78
D-Debt Charges	3,293.64	. .	. .	3,293.64
	2,08,75,520.81	76,78,483.92	50,51,376.46	3,36,05,381.19
XI- Administration of Shops and Establishment Act 1948				
A-Administration of Shops and Establishment Act 1948	44,46,945.66	14,75,164.15	9,04,574.53	68,26,684.34
	44,46,945.66	14,75,164.15	9,04,574.53	68,26,684.34
XII- Gardens, Recreation Centres and Open Spaces				
A-Gardens	2,32,84,174.71	1,16,68,056.20	75,27,405.07	4,24,79,635.98
B-New Gardens, Recreation Grounds, etc.	76,620.85	1,54,852.95	3,57,390.50	5,88,864.30
C-Open Air Theatres	4,10,815.18	9,02,344.76	. .	13,13,159.94
D-M.G.M.O. Swimming Pool	8,68,969.63	. .	. .	8,68,969.63
E-Krida Kendra and Social Welfare Centres	7,64,382.07	. .	. .	7,64,382.07
F-Sardar V.P. S. Pool Kandivali	. .	7,57,355.53	. .	7,57,355.53
G-Ghatkopar Lion's Municipal Swimming Pool	. .	. .	8,41,636.13	8,41,636.13
H-L. Dinanath Mangeshkar Natya Mandir	. .	13,31,913.24	. .	13,31,913.24
I-S. Pool Siddharth Nagar Goregaon	. .	6,40,182.73	. .	6,40,182.73
J-Sports Complex Andheri	. .	17,36,123.49	. .	17,36,123.49
K-Debt Charges	78,60,763.03	2,10,27,379.80	1,31,20,858.63	4,20,09,001.46
L-Sports complex Swimming Pool Mulund	. .	. .	29,83,065.12	29,83,065.12
	3,32,65,725.47	3,82,18,208.70	2,48,30,355.45	9,63,14,289.62
XIII- Markets				
A-Markets	2,68,46,351.34	91,04,853.12	41,38,091.51	4,00,89,295.97
C-Pension, Gratuities and Compassionate Allowance	20,95,010.00	4,26,620.00	4,13,000.00	29,34,630.00
D-Proportion of General Supervision	58,95,554.00	14,81,455.02	5,79,480.37	79,56,489.39
E-Debt Charges	77,18,677.13	21,20,482.68	9,56,285.66	1,07,95,445.47
	4,25,55,592.47	1,31,33,410.82	60,86,857.54	6,17,75,860.83
XIV-Deonar Abattoir				
A-Deonar Abattoir	. .	. .	5,89,95,257.60	5,89,95,257.60
B-Provident Fund Charges	. .	. .	. .	. .

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' EXPENDITURE — (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
C-Pension, Gratuities and Compossionate Allowance	. .	. .	43,09,350.00	43,09,350.00
D-Proportion of General Supdt.	. .	. .	11,12,120.55	11,12,120.55
E-Debt Charges	. .	. .	57,98,441.43	57,98,441.43
	. .	. .	7,02,15,169.58	7,02,15,169.58
XV-Traffic Operations, Roads and Bridges				
A-General	1,00,17,116.39	67,99,961.45	65,62,595.73	2,33,79,673.578
B-Traffic Planning and Operation	49,21,881.38	6,59,892.80	62,662.06	56,44,436.24
C-Road, Bridge Planning and Design	42,977.36	43,809.92	. .	86,787.28
D-Road and Bridge Maintenance	17,71,87,581.64	15,48,52,115.59	9,67,37,314.10	42,87,77,011.33
E-Rebate on account of compound wheel tax permisible under section 185 of the B.M.C. Act	. .	. .	. .	. .
G-Debt Charges	10,81,71,996.12	9,33,34,506.67	5,83,46,659.14	22,98,53,161.93
H-Proportionate Cost of Collection of Wheel Tax	18,10,224.00	9,78,817.52	5,56,847.28	33,45,888.80
I-Lumpsum provision for payment of Commission charges and Interest on I.B.R.D. Loan	. .	. .	. .	. .
J-Lumpsum provision for repayment of I B R D Loan No, 1335 I. N.	. .	. .	. .	. .
	30,21,51,776.89	25,66,69,103.95	16,22,66,078.31	72,10,86,9159.15
XVI-Contribution to -				
(a) Budget 'B' under section 125(2)(d) of the Bombay Municipal Corporation Act	1,58,22,220.00	1,90,21,240.00	71,54,750.00	4,19,98,210.00
(b) Budget 'E' under section 126C (c) of the Bombay Municipal Corporation Act	3,95,55,540.00	4,75,53,090.00	1,78,86,860.00	10,49,95,490.00
(c) Budget 'E' (Special Contribution) under section 126C (c.1) of the Bombay Municipal Act.	60,20,00,000.00	. .	. .	60,20,00,000.00
(d) Fines and Welfare Fund	51,11,785.21	58,500.00	. .	51,70,285.21
(e) Tree Authority Fund	28,50,683.00	. .	. .	28,50,683.00
(f) Contribution to P.F. to meet the difference in interest allowed and that actually realised on investment of P.F.	3,16,20,623.42	. .	. .	3,16,20,623.42
(g) Special Contribution to Budget B Slum Improvement to meet dificit in General Account	. .	. .	. .	. .
	69,69,60,851.63	6,66,32,830.00	2,50,41,610.00	78,86,35,291.63

	Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' EXPENDITURE — (Contd.)		Rs. P.	Rs. P.	Rs. P.	Rs. P.
XVII-	Miscellaneous -				
	(a) P. F. charges	29,33,636.36	. .	. .	29,33,636.36
	(b) Incentive Bonus	. .	. .	. .	. .
	(c) Pension Fund	11,59,27,030.00	4,84,78,300.00	3,80,55,840.00	20,24,61,170.00
	(d) Gratuity Fund	20,62,200.00	. .	. .	20,62,200.00
	(e) Deposit linked Insurance schemes	37,73,597.16	. .	. .	37,73,597.16
		12,46,96,263.52	4,84,78,300.00	3,80,55,840.00	21,12,30,403.52
	Deduct : Proportionate Share	47,45,020.00	. .	. .	47,45,020.00
		11,99,51,243.52	4,84,78,300.00	3,80,55,840.00	20,64,85,383.52
XVIII-	Measures for Civil Defence	1,754.00	. .	. .	1,754.00
XIX-	Contribution to Bombay Building Repairs and Reconstruction Board	3,60,00,000.00	. .	. .	3,60,00,000.00
XX-	Village amenities A-Maintenance	. .	32,63,012.86	8,17,620.44	40,80,633.30
XXI-	Lump-Sum provision for unforseen works at Rs.1,00,000 in each constituency	3,34,27,450.02	3,59,68,484.19	2,35,73,185.89	9,29,69,120.10
XII-	Lump-sum Provision for Past Liabilities	15,400.00	. .	. .	15,400.00
XXIII-	Lump Sum Provision for payment of Arrears on A/c. of Revision of Grades	1,21,49,147.88	15,53,650.48	14,28,272.27	1,51,31,070.63
XXIV-	Bombay Urban development Project	1,11,95,848.87	. .	. .	1,11,95,848.87
XXV-	Lumpsum provision for recurring estt-cost during the year on a/c of revision of Grade	. .	. .	. .	. .
XXVI-	Lumpsum Provision for Exgratia Payment	9,46,63,973.60	4,34,17,182.52	3,35,69,970.71	17,16,51,126.83
	Total - Part - I	2,26,13,79,537.89	82,51,82,423.58	61,05,73,432.01	3,69,71,35,393.48
XXXI-	Public Health Department				
	A-General Superintendence	5,79,09,017.19	3,24,00,702.65	1,92,15,787.04	10,95,25,506.88
	B-Supply of Milk to the under nurished needy children attending Municipal Schools	68,83,133.42	78,92,080.31	82,22,963.21	2,29,98,176.94
	D-Malaria Eradication Programme	15,72,648.76	26,36,260.32	8,21,961.72	50,30,870.80
	E-Impounding Stray Cattle	5,59,924.25	19,49,287.32	. .	25,09,211.57
	G-Census	. .	. .	. .	. .
	H-Filaria Programme	. .	6,32,678.66	4,17,300.74	10,49,979.40
	I-Debt Charges	32,81,645.53	50,36,027.99	18,62,049.35	1,01,79,722.87
		7,02,06,369.15	5,05,47,037.25	3,05,40,062.06	15,12,93,468.46

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' EXPENDITURE — (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
XXXII- Medical Relief and Education -				
A-Hospitals	41,26,54,439.00	12,95,20,887.13	10,10,82,540.97	64,32,57,867.10
B-Maternity Homes	2,84,58,126.71	1,88,86,252.21	1,06,36,107.47	5,79,80,486.39
C-Dispensaries	1,87,07,569.77	1,05,74,927.04	70,44,396.30	3,63,26,893.11
D-Medical Education	8,98,92,076.13	. .	. .	8,98,92,076.13
E-Statutory Contribution to Government Medical Institutions	. .	. .	. .	. .
F-Clinic for treatment of Leprosy Cases	41,25,600.00	1,14,000.00	33,750.00	42,73,350.00
G-Grants-in-Aid to Public - Institutions	2,50,06,397.91	. .	. .	2,50,06,397.91
I-Debt Charges	7,07,91,988.50	2,03,24,543.07	88,35,175.26	9,99,51,706.83
	64,96,36,198.02	17,94,20,609.45	12,76,31,970.00	95,66,88,777.47
XXXIII Measures to Control Environment Air Pollution in Greater Bombay -				
A-Dy City Engineer (Mech. & Elec.)				
Air pollution prevention office	4,62,742.51	. .	. .	4,62,742.51
B-Air pollution Prevention cell	44,11,838.67	. .	. .	44,11,838.67
C-Health Survey Unit	5,72,996.65	. .	. .	5,72,996.65
D-Debt Charges	9,21,362.01	. .	. .	9,21,363.01
	63,68,939.84	. .	. .	63,68,939.84
Total - Part II	72,62,11,507.01	22,99,67,646.70	15,81,72,032.06	1,11,43,51,185.77
Total - (A) Revenue Expenditure	2,98,75,91,044.90	1,05,51,50,070.28	76,87,45,464.07	4,81,14,86,579.25
(B) Capital Account-				
I-General Supervision, Collection of Revenue, etc.	55,28,979.62	1,74,774.69	2,41,315.29	59,45,069.60
II-Free Reading Rooms and Libraries	. .	. .	. .	. .
III-Street Cleansing and Conservancy etc.	67,30,795.24	40,28,893.41	73,77,448.11	1,81,37,136.76
IV-S. W. Drains etc.	77,82,457.74	1,90,30,959.93	2,42,69,882.93	5,10,83,300.60
V-Mechanical and Electrical	880.00	. .	. .	880.00
VI-Buildings Land Acquisition and Management	CR. 20,83,204.02	39,44,071.52	Cr. 5,40,652.94	Cr. 13,20,214.56
VII- Fire Brigade	32,12,809.36	1,72,729.87	1,41,016.70	35,26,555.93
VIII- Licensing, Removal of Encroachment etc.	. .	. .	. .	. .
IX- Gardens and Open Spaces	26,01,230.87	1,14,41,138.51	64,54,500.04	2,04,96,869.42
X- Markets	10,53,181.70	39,969.77	19,09,092.60	30,02,244.07
XI- Deonar Abattoir	. .	. .	57,90,495.22	57,90,495.22
XII- Village Amenities	. .	28,40,455.08	28,50,439.46	56,90,894.54
XIII- Industrial Estates	5,715.60	. .	. .	5,715.60
XIV- Centenary Celebration Works	. .	7,825.49	1,04,135.59	1,11,961.08
XV- Traffic Operations, Road and Bridges	9,01,57,658.30	7,35,08,163.57	5,98,63,694.11	22,35,29,515.98
XVI- Works under B.U.D.P.I.	6,70,35,532.30	. .	. .	6,70,35,532.30

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' EXPENDITURE – (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
Power Laundry	. .	. .	. .	. .
Plant and Machinery purchase out of Loan Funds	2,04,46,717.27	58,94,515.77	25,20,184.23	2,88,61,417.27
Suspense Account Mechanical Transport	70,519.14	. .	. .	70,519.14
Plant and Machinery Purchaser out of different Special Funds	. .	. .	. .	. .
Assets written off	. .	. .	. .	. .
Recoupment of Advance for purchase of Capital Stores	. .	. .	. .	. .
Printing Press	. .	. .	. .	. .
Compost Plant	. .	. .	. .	. .
Slum Reallocation Programme on a/c. Implementation Major Project	14,71,136.50	. .	. .	14,71,136.50
Total - Part I	20,40,14,409.62	12,10,83,497.61	11,09,81,551.34	43,60,79,458.57
XXI- Public Health Department	8,96,886.63	9,55,080.02	8,96,292.69	27,48,259.34
XXII- Medical Relief and Education	1,91,43,409.48	71,49,222.33	18,49,649.61	2,81,42,281.42
XXIII- Measures to Control environmental Air Pollution in Greater Bombay	801.35	. .	. .	801.35
Plant and Machinery out of Loan Fund	2,54,78,088.36	13,72,612.32	12,77,214.74	2,81,27,915.42
Total - Part II	4,55,19,185.82	94,76,914.67	40,23,157.04	5,90,19,257.53
Total - Part I and II	24,95,33,595.41	13,04,60,412.28	11,50,04,708.38	49,50,98,716.10
Trust Fund	2,80,85,760.35	1,75,041.55	. .	2,82,60,801.90
Total - (B) Capital Expenditure	27,76,19,355.79	13,07,35,453.83	11,50,04,708.38	52,33,59,518.00
C) Suspense Account				
I-Sinking and Special Fund Accounts				
Sinking Fund Account-Municipal	2,73,66,015.38	15,08,85,281.09	. .	17,82,51,296.47
Special Fund Account	84,18,94,359.42	. .	. .	84,18,94,359.42
Loan Redemption Fund	. .	. .	. .	. .
Total - I (S. and S. Funds)	86,92,60,374.80	15,08,85,281.09	. .	1,02,01,45,655.89
II-Paper and Cash Account				
Sinking Fund	10,63,78,986.13	10,91,00,209.23	1,16,86,341.00	22,71,65,536.36
Special Fund	80,64,54,240.60	. .	. .	80,64,54,240.60
Surplus Fund	90,15,19,927.43	19,34,34,157.55	12,00,00,000.00	1,21,49,54,084.98
Loan Fund	. .	80,32,337.97	. .	80,32,337.97
State Bank of India and Other Local Banks on account of Sundry Deposits	10,62,29,68,879.35	45,63,72,900.00	1,77,65,707.10	11,09,71,07,486.45
Total-II (Papers and Cash)	12,43,73,22,033.51	76,69,39,604.75	14,94,52,048.10	13,35,37,13,686.36
III-Other Suspense Accounts				
Deposit Account	7,52,52,76,738.96	71,62,68,184.11	61,98,56,784.04	8,86,14,01,707.11
Reserve Stores Account	13,21,38,032.99	. .	. .	13,21,38,032.99

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' EXPENDITURE — (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
Capital Stores Account	12,96,83,590.24	. .	. .	12,96,83,590.24
Capital Stores Account (Fores Road Depot)	4,50,351.66	. .	. .	4,50,351.66
Advances for purchase of Petrol and Diesel Off.	63,99,909.96	41,52,158.87	. .	1,05,52,068.83
Advances for Departmental Works	70,58,441.72	54,11,125.46	65,63,718.55	1,90,33,285.73
Advances for Private Works	4,68,63,767.95	3,119.93	. .	4,68,66,887.88
Advances Private Works - Traffic Amenities	. .	3,90,139.66	13,559.40	4,03,699.06
Advances Departmental Works Traffic Amenities	. .	. .	. .	. .
Municipal Workshop	1,96,49,100.54	43,10,844.30	5,79,520.93	2,45,39,465.77
Municipal Foundry	29,87,761.81	. .	. .	29,87,761.81
Worli Crusher	. .	. .	. .	. .
Mechanical Transport	8,83,97,278.11	5,12,98,460.10	. .	13,96,95,758.21
Asphalt Plant	1,03,09,173.40	. .	. .	1,03,09,173.40
Municipal Printing Press	2,87,91,760.94	. .	7,762.21	2,87,99,523.15
Rota Printing Unit	37,28,840.21	. .	. .	37,28,840.21
Advances Special Funds	73,90,651.73	58,575.00	58,500.00	75,07,726.73
Municipal Contractors	11,80,060.24	57,215.94	4,87,677.63	17,24,953.81
Advances for capitalisation of Int. on Loan	2,47,711.00	. .	. .	2,47,711.00
Advances for Demolition of Unauthorised Structures and Removal of unsafe Buildings	14,74,736.81	55,027.36	4,24,402.65	19,54,166.82
Advances to Public including Co-operatives for Housing purposes	2,96,28,820.00	. .	. .	2,96,28,820.00
Municipal Power Laundry	1,09,93,816.01	. .	. .	1,09,93,816.01
Advances to Municipal Officers				
(a) Standing advance for contingent expenses	13,14,000.00	1,79,850.00	1,24,600.00	16,18,250.00
(b) Motor car and motor cycle to Officers	26,64,882.00	. .	. .	26,64,682.00
(c) Bicycles to Subordinate Staff	. .	. .	. .	. .
(d) A.A. Cash for disbursement of salary	40,00,000.00	75,00,000.00	1,53,62,696.00	2,68,62,696.00
(e) A.A. Cash for distribution of salary of March	4,89,24,275.00	1,62,03,570.54	. .	6,51,27,845.54
Advances, Sundry Advances Miscellaneous	27,10,73,043.61	8,41,39,942.34	5,40,29,541.94	40,92,42,527.89
Provident Fund	46,45,61,988.30	. .	56,54,758.37	47,02,16,746.67
Pension Fund	78,39,75,044.49	. .	. .	78,39,75,044.49
Gratuity Fund	36,05,505.69	. .	. .	36,05,505.69
Pension Recovery Cheques Payable A/C.	4,82,49,360.07	. .	. .	4,82,49,360.07
Fines Fund	83,367.29	. .	. .	83,367.29

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' EXPENDITURE – (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
Fidelity Guarantee Insurance Fund	79,554.01	. .	. .	79,554.01
Reinstalment of Trenches	1,80,74,498.42	1,88,64,367.76	1,03,19,057.54	4,72,57,923.72
Advances from Surplus Monies for Financing Capital Works Expenditure	7,93,39,784.69	. .	. .	7,93,39,784.69
Advances Special Fund Charges to be met out of pension fund	. .	. .	.	. .
Total-(C)-III (Other Susp.) C/F	9,77,85,95,847.85	90,88,92,381.37	71,34,82,579.26	11,40,09,70,808.48
Dishonoured cheques	3,81,66,516.14	3,15,70,576.47	1,12,61,230.16	8,09,98,322.77
Advances for Halaikhore Service	. .	. .	. .	. .
Improving common House Gullies in the city	63,999.45	. .	. .	63,999.45
Advances for Improvement of Private streets	. .	. .	. .	. .
Advances for Deposit with Outside Bodies	27,930.00	52,680.00	4,100.00	84,710.00
Advance for Security Deposit with-S. B. I.	. .	. .	. .	. .
Interest accrued but not paid	2,95,456.01	25,01,422.91	. .	27,96,878.92
Interest receivable Account	. .	. .	. .	. .
Interest on Loans Payable Account	4,410.00	1,32,663.22	. .	1,37,073.22
B.M.C. Loans Interest Warrants Payable Account	8,16,08,691.67	10,97,77,330.24	. .	19,13,86,021.91
Repayment of B.M.C. Loans	2,76,18,682.04	14,97,50,000.00	. .	17,73,68,682.04
Cash Bill Outstanding Account	5,29,876.84	78,163.85	19,453.25	6,27,493.94
Cheques Payable	17,11,58,01,330.29	1,58,34,24,804.42	1,22,84,57,773.02	19,92,76,83,907.73
Wages Deposit Account	. .	. .	. .	. .
Amount Transferred from Mun. General Fund Budget A. Div. I to Budget 'E'	98,21,64,123.07	. .	. .	98,21,64,123.07
Amount transferred to Budget 'G'	1,76,74,94,914.66	. .	. .	1,76,74,94,914.66
Amount transferred within Budget 'A' Divisions	2,29,63,19,527.98	67,53,00,284.30	60,69,21,324.99	3,57,85,41,137.27
Unadjusted Reserve Stores Account Stock	5,54,36,126.18	. .	. .	5,54,36,126.18
Unadjusted Reserve Stores (Foras Road Depot)	3,95,533.92	. .	. .	3,95,533.92
Municipal Debt. Interest	. .	14,03,01,787.30	. .	14,03,01,787.30
Advances Suspense Account accumulated Surplus Balance payable to Budget 'G'	. .	. .	. .	. .
Compost Plant debt. charges	. .	. .	91,536.38	91,536.38
Material Testing Lab.	1,54,911.51	. .	. .	1,54,911.51

Account Heads	Division I (City)	Division II (W. S.)	Division III (E. S.)	Total Budget 'A'
BUDGET 'A' EXPENDITURE — (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.
Advances for consolidation of Passing in Pvt. Compounds	. .	. .	. .	. .
Advances Receivable from Contractors	8,91,31,946.70	. .	. .	8,91,31,946.70
Advances Receivable from Municipal Department	7,69,39,195.07	. .	. .	7,69,39,195.07
Total-III (Other Susp.)	32,31,07,49,019.38	3,60,17,82,094.08	2,56,02,37,997.06	38,47,27,69,110.52
Total (C) Suspense Expenditure	45,61,73,31,427.69	4,51,96,06,979.92	2,70,96,90,045.16	52,84,66,28,452.77
Total Expenditure Budget 'A'	48,88,25,41,828.38	5,70,54,92,504.03	3,59,34,40,217.61	58,18,14,74,550.02
Tree Authority Budget	1,65,60,596.87	. .	. .	1,65,60,596.87

Account Heads	Improvement Scheme	Slum Improvement	Slum Clearance (City)	Slum Clearance (Western & Eastern Suburbs)	Total Budget 'B'
	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.
BUDGET 'B' EXPENDITURE					
IMPROVEMENT SCHEME ACCOUNT					
(A) General Account Expenditure—					
A-Maintenance of Properties and Streets	12,72,14,649.04	5,34,10,609.73	54,19,643.99	21,53,961.22	18,81,98,864.58
B-Cost of Management and Establishment	3,22,78,246.86	. .	. .	. .	3,22,78,246.86
C-Proportionate Charges on account of Municipal Supervision	1,57,90,921.61	. .	. .	. .	1,57,90,921.61
Deduct-Proportionate Share of Cost of Management & Establishment					
(a) General Account	4,76,07,732.37	. .	. .	. .	4,76,07,732.37
(b) Capital Account	4,61,436.10	. .	. .	. .	4,61,436.10
D-Debt Charges	65,05,226.00	16,14,534.00	39,71,881.98	38,72,369.00	1,59,64,010.98
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	2,01,513.07	. .	. .	. .	2,01,513.07
G-Recurring Estt. Cost on account of revision of grades	13,342.19	. .	. .	. .	13,342.19
H-Provident Fund Charges	3,14,363.00	. .	. .	. .	3,14,363.00
I-Incentive Bonous	45,74,818.24	. .	. .	. .	45,74,818.24
J-Provision for exgratia	. .	. .	. .	. .	
Transfer of Revene Surplus to capital Account	. .	2,19,42,510.23	. .	. .	2,19,42,510.23
Total (A) General Account Expenditure	13,89,73,912.14	7,69,67,653.96	93,91,525.97	60,26,330.22	23,13,59,422.29
(B) Capital Account Expenditure-					
Improvement and Street etc. Scheme Expenditure	44,25,254.48	10,27,80,754.30	74,636.76	. .	10,72,80,645.54
Proportionate Share of Cost of Management and Establishment	4,61,436.10	. .	. .	. .	4,61,436.10
Deficit in General Account	6,55,32,292.94	. .	51,10,381.61	46,99,193.00	7,53,41,867.55
Advance Surplus money	. .	89,39,518.93	. .	. .	89,39,518.93
Total (B) Capital Expenditure	7,04,18,983.52	11,17,20,273.23	51,85,018.37	46,99,193.00	19,20,23,468.12

Account Heads	Improvement Scheme	Slum Improvement	Slum Clearance (City)	Slum Clearance (Western & Eastern Suburbs)	Total Budget 'B'
BUDGET 'B' EXPENDITURE (Contd.)	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.
(C) Suspense Account Expenditure-					
I-Sinking etc. Fund Account -					
(a) Sinking Fund Account	20,883.91	. .	30,10,624.18	3,005.35	30,34,513.44
Total-I (Sinking Fund)	20,883.91	. .	30,10,624.18	3,005.35	30,34,513.44
II-Paper and Cash Account-					
(a) Sinking Fund	70,26,395.47	8,42,069.50	29,91,823.99	26,14,824.14	1,34,75,113.10
(b) Capital Fund	. .	. .	. .	. .	. .
(c) Investment Reserve Fund	7.00	. .	. .	. .	7.00
(d) Rent Equalisation Fund	14,43,713.37	. .	. .	. .	14,43,713.37
(e) Amenities Fund	6,50,810.38	. .	. .	. .	6,50,810.38
Total-II (Paqpers and Cash)	91,20,926.22	8,42,069.50	29,91,823.99	26,14,824.14	1,55,69,643.85
III-Other Suspense Account-					
Repayment of B.I.T. etc. Loans	. .	. .	32,96,136.91	1,67,817.61	34,63,954.52
B.I.T. Interest Warrants Payable Account	. .	. .	. .	. .	. .
Total-III (Other Suspense)	. .	. .	32,96,136.91	1,67,817.61	34,63,954.52
Total-(C) Suspense Expenditure	91,41,810.13	8,42,069.50	92,98,585.08	27,85,647.10	2,20,68,111.81
Total Expenditure Budget 'B'	21,85,34,705.79	18,95,29,996.69	2,38,75,129.42	1,35,11,170.32	44,54,51,002.22

Appendix No. 15 Contd. (Consolidated)

RECEIPTS				SUMMARY	DISBURSEMENTS			
Division-I (City)	Division-II (W.S.)	Division-III (E.S.)	Total	ACCOUNTS	Division-I	Division-II (W. S.)	Division-III (E. S.)	Total
Rs. P.	Rs. P.	Rs. P.	Rs. P.		Rs. P.	Rs. P.	Rs. P.	Rs. P.
22,21,00,461.70	8,49,26,673.95	7,06,39,847.12	37,76,66,982.77	Opening Balance as at 1st April 1990.				
				Budget 'A'				
4,42,74,21,999.58	55,34,11,503.39	27,76,62,120.95	5,25,84,95,623.92	(A) Revenue Account	2,98,75,91,044.90	1,05,51,50,070.28	76,87,45,464.07	4,81,14,86,579.25
42,40,50,570.22	7,20,80,617.88	12,40,61,443.28	62,01,92,631.38	(B) Capital Account	27,76,19,355.79	13,07,35,453.83	11,50,04,708.38	52,33,59,518.00
43,62,04,64,857.11	5,08,35,70,134.07	3,18,05,72,721.28	51,88,46,07,712.46	(C) Suspense Account	45,61,73,31,427.69	4,51,96,06,979.92	2,70,96,90,045.16	52,84,66,28,452.77
48,47,19,37,426.91	5,70,90,62,255.34	3,58,22,96,285.51	57,76,32,95,967.76	Total - Budget 'A'	48,88,25,41,828.38	5,70,54,92,504.03	3,59,34,40,217.61	58,18,14,74,550.02
1,65,60,596.87	. .	. .	1,65,60,596.87	Tree Authority Budget.	1,65,60,596.87	. .	. .	1,65,60,596.87
				Budget 'B'				
23,13,59,422.29	. .	. .	23,13,59,422.29	(A) General Account	23,13,59,422.29	. .	. .	23,13,59,422.29
19,20,23,468.12	. .	. .	19,20,23,468.12	(B) Capital Account	19,20,23,468.12	. .	. .	19,20,23,468.12
5,13,01,211.81	. .	. .	5,13,01,211.81	(C) Suspense Account	2,20,68,111.81	. .	. .	2,20,68,111.81
47,16,84,102.22	. .	. .	47,16,84,102.22	Total - Budget 'B'	44,54,51,002.22	. .	. .	44,54,51,002.22
48,96,31,82,126.00	5,70,90,62,255.34	3,58,22,96,285.51	58,25,45,40,666.85	Total Budget 'A' + 'B' + TA	49,34,45,53,427.47	5,70,54,92,504.03	3,59,34,40,217.61	58,64,34,86,149.11
				Closing Balance as at 31st March 1991 as reconciled below * with the Cash Position	Dr. 15,92,7-,839.77	8,84,96,425.26	5,94,95,915.02	Dr. 1,12,78,499.49
49,18,52,82,587.70	5,79,39,88,929.29	3,65,29,36,132.63	58,63,22,07,649.62	GRAND TOTAL	49,18,52,82,587.70	5,79,39,88,929.29	3,65,29,36,132.63	58,63,22,07,649.62
				* Bank Reconciliation : Balance as per Bank's Pass Book	Dr. 10,14,265.24	2,54,49,220.16	15,64,186.86	2,59,99,141.78
				Add : Revenue sent to the Bank of 31st March 1991 but acknowledged on 1st April 1991.	11,50,985.60	10,45,952.74	1,82,32,756.60	2,04,29,694.94
				Less: Uncashed Cheques	16,05,27,868.28	3,10,12,135.78	1,34,99,649.14	20,50,39,653.20
				Total Bank Position	Dr. 16,03,91,147.92	Dr. 45,16,962.88	62,97,294.32	Dr. 15,86,10,816.48
				Balance in Bank as per Day Book (Column No. 10)				
				Balance in Office, in Govt. Promisory Notes etc.	10,76,150.00	27,96,145.00	17,97,200.00	56,69,495.00
				Balance in Office in Cash	44,158.15	3,109.56	2,978.33	50,246.04
				Collection held in office Treasury	. .	9,02,14,133.58	5,13,98,442.37	14,16,12,575.95
				Total – Office Position	11,20,308.15	9,30,13,388.14	5,31,98,620.70	14,73,32,316.99
				Closing Balance as at 31st March 1991 as shown at above *	Dr. 15,92,70,839.77	8,84,96,425.26	5,94,95,915.02	Dr. 1,12,78,499.49

APPENDIX No. 27

IMPROVEMENT SCHEMES

General Account for the year ending 31st March, 1990

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No.35	13,89,73,912	By Revenue Receipts as per Appendix No.31	7,34,41,619
		Balance being dificit transferred to Capital Account Balance Sheet	6,55,32,293
Total	13,89,73,912	Total	13,89,73,912

APPENDIX No. 28

Slum Clearance Account - (City) General Account for the year ending 31st March, 1990

Particulars	Amount	Partiuculars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No.36	93,91,526	By Revenue Receipts under -	
		I - Rent and other proceeds of properties	42,81,144
		II - Interest and Profits on Investments	--
		IV - Transfer of excess on Sinking Fund	--
		Balance being deficit transferred to Capital Account Balance Sheet	51,10,382
Total	93,91,526	Total	93,91,526

APPENDIX No. 29

Slum Clearance Account - (Western and Eastern Suburbs) General Account for the year ending 31st March, 1990.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No.37	60,26,330	By Revenue Receipts under-	
		(a) Rents and other proceeds properties	10,87,110
		(b) Receipts from Social Welfare Centre at S.G. Brave Nagar	16,620
		II - Interest and profits on Investments	--
		III - Miscellaneous Receipts	2,23,407
		Balance being Deficit transferred to Capital Account Balance Sheet.	46,99,193
Total	60,26,330	Total	60,26,330

APPENDIX No. 30

Improvement Schemes Account Slum Improvement General Account for the year ending 31st March, 1990

PARTICULARS	Amount	PARTICULARS	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No.38	5,50,25,144	By Revenue Receipts as per Appendix No.34 under-	
Transfer of Surplus to Capital Account	2,19,42,510	(i) Hutment Colony	7,69,67,654
		(ii) Contribution from Budget 'A'	
		(iii) Subsidy for Meeting the deficit	
Total	7,69,67,654	Total	7,69,67,654

APPENDIX No. 39

IMPROVEMENT SCHEMES

Capital Account Balance Sheet as on 31st March, 1990.

LIABILITIES		Amount	ASSETS		Amount
	Rs. P	Rs. P		Rs. P	Rs. P
Loan Outstanding-			Block Account-		
(Vide details as shown in Appendix No.52) ...		8,00,00,000.00	Property and Assets at original cost as per Appendix No. 43 ...		43,63,35,210.71
Loan - Redumption Fund		20,05,10,489.06	Less-Assets Credited by -		
Advance from Surplus Money		34,05,92,652.71	(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	10,16,27,586.41	11,00,65,416.41
Book value of land comprised in Schedule 'W' and 'X'		47,58,490.00			32,62,69,794.30
			Book value of land comprised in In Schedule 'W' & 'X' as per Appendix No.47 (Section 97A of B.M.C. Act)		47,58,490.00
Sinking Fund on Loans		6,49,11,458.95	Investments-		
Special Funds-			*Sinking Fund in Paper and Cash as per Appendix No. 48		6,49,11,458.95
Investment Reserve Fund		4,55,30,614.63	Investment Reserve Fund in Fixed Deposit & Cash		4,55,30,614.63
Amenities Fund		74,03,763.61	Amenities Fund in Fixed Deposit and Cash		74,03,763.61
Rent Equalisation fund		1,97,97,810.60	Rent Equalisation Fund in Fixed Deposit & Cash		1,97,97,810.60
		76,35,05,279.56	Capital Fund-		
Less-			In Fixed Deposit	-	
Revenue Deficit:			In Cash	-	
Deficit upto 31st March, 1989	22,93,01,054.53				
Deficit during 1989-90	6,55,32,292.94	29,48,33,347.47			
Total		46,86,71,932.09	Total		46,86,71,932.09

* For Face, Book and Market Value of securities held in the Sinking funds on 31st March 1990, please see Appendix No.55

APPENDIX No.40

Slum Clearance City

Capital Account Balance Sheet as on 31st March, 1990

LIABILITIES		Amount	ASSETS		Amount
		Rs. P			Rs. P
Loan Outstanding			Block Account		
(Vide details as shown in Appendix - 53)		4,43,37,695.28	Property and Assets at origtinal cost as per Appendix		
Subsidity from Government		1,06,52,426.00	No.44		6,04,88,373.58
Sale proceeds upto 31st March, 1990		33,028.68	Investment-		
Sinking Fund Loans		2,39,43,091.74	Sinking Fund as per Appendix No.49		2,39,43,091.74
Loan Redumption Fund		1,82,63,220.72	Capital Fund		
Advances from Surplus monies		5,17,06,093.35	In Fixed Deposit	—	
			Cash	—	
		15,59,97,655.90			
Less-	Rs. P				
Revenue Deficit-					
Deficit upto 31st March, 1989	6,64,55,808.97				
Add - Deficit during 1989-90	51,10,381.61	7,15,66,190.58			
	Total	8,44,31,465.32		Total	8,44,31,465.32

APPENDIX No. 41

Slum Clearance Suburbs and Extended Suburbs

Capital Account Balance Sheet as on 31st March, 1990

LIABILITIES		Amount	ASSETS		Amount
		Rs. P.			Rs. P
Loan Outstanding (Appendix No.53)		4,65,58,769.94	Block Account		
Subsidy from Government		57,82,779.00	Property and assets at original cost as per		
Sinking Fund on loans		2,64,17,808.86	Appendix No.45		4,54,63,466.50
Sale proceeds upto 31st March, 1990		50,15,376.94	Investments -		
Loan Redumption Fund		71,34,207.06	Sinking Fund as per Appendix No.50		2,64,17,808.86
			Capital Fund -		
Advances from Surplus Monies		5,39,41,649.01			
			In Fixed Deposit	—	
		14,48,50,590.81	Cash	—	
Less:-					
Revenue Deficit	Rs. P				
Deficit upto 31st March, 1989	6,82,70,122.45				
Add - Deficit during 1989-90	46,99,193.00	7,29,69,315.45			
	Total	7,18,81,275.36		Total	7,18,81,275.36

APPENDIX No. 42

Slum Improvement

Capital Account Balance Sheet as on 31st March, 1990

LIABILITIES	Amount	ASSETS	Amount
	Rs. P		Rs. P
Loan Outstanding (Appendix No.54)	2,00,00,000.00	Block Account	
Sinking Fund on Loan	72,11,480.64	Property and Assets at original cost as per Appendix No. 46	54,58,60,946.89
Reimbursement of Capital expenditure from B.H. & A.D. Board	17,40,16,378.21	Investments Sinking Fund as per Appendix No.51	72,11,480.64
Receipt from the Collector of Bombay & B.S.D. for M.L.A Works	11,46,60,896.00		
Receipt from Govt. of Maharashtra as Special Assistance	2,50,00,000.00		
Receipt from Government of Maharashtra for Demolition and reconstruction of A.P/W.C. Works	1,00,00,000.00	Capital Fund-	
Receipt transferred from Revenue Surplus in General A/c.	3,58,99,240.30	In Fixed Deposit ----	
Advance from Surplus Monies	16,62,84,432.38	Cash	
Total	55,30,72,427.53	Total	55,30,72,427.53

APPENDIX No. 43.

IMPROVEMENT SCHEMES

Block account showing details of Capital Expenditure upto 31st March, 1990

Particulars	Total Capital Expenditure upto 31st March, 1989 Rs.	Expenditure during 1989-90 Rs.	Total Capital Expenditure upto 31st March, 1990 Rs.
CAPITAL ACCOUNT			
Improvement and Scheme			
Schedule W Lands	13,45,571	—	13,45,571
Schedule X Lands	16,26,471	—	16,26,471
Schedule Z Lands	8	—	8
Scheme No.			
1 First Nagpada	29,16,099	—	29,16,099
2 Princess Street	85,08,865	—	85,08,865
3 Sandhurst Road	1,16,02,375	—	1,16,02,375
4 Gamdevi	22,88,002	—	22,88,002
5 Dadar-Matunga	1,00,53,384	—	1,00,53,384
6 Sion-Matunga	2,06,31,826	—	2,06,31,826
7 Colaba Reclamation	4,78,538	—	4,78,538
8 Mandvi Koliwada	26,52,501	—	26,52,501
11 Agripada	3,127	—	3,127
13 Souther Street Extension East-wards	68,102	—	68,102
27 Mathe Road	14,11,129	—	14,11,129
29 Notwroj Hill	86,57,482	—	86,57,482
30 Southern Street Extension West-wards	1,30,512	—	1,30,512
31 Parel Suparibaug			
33 Estate	91,42,350	—	91,42,350
32 East Agripada	50,59,050	—	50,59,050
Bhatwadi	3,28,433	—	3,28,433
36 Lamington Road	2,91,191	—	2,91,191
37 Sydenham Road	1,40,51,180	—	1,40,51,180
41 Undria Street	5,72,800	—	5,72,800
43 Parel Road Centra.	38,97,348	—	38,97,348
47 Parel Road North	52,96,220	—	52,96,220
49 Nepean Sea Road Reclamation	3,053	—	3,053
50 Mazgaon Street	40,68,206	—	40,68,206
52 Worli Road	2,81,18,471	—	2,81,18,471
53 Foras Road	36,82,045	—	36,82,045
54 Kolbhai wadi	21,79,254	—	21,79,254
55 Bellasis road	17,02,028	—	17,02,028
56 Dharavi Street	1,88,35,036	—	1,88,35,036
57 Sewri Wadala	5,50,97,235	—	5,50,97,235
58 Worli- Extension	1,71,69,755	—	1,71,69,755
59 Sewri-Koliwada	6,91,392	—	6,91,392
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
Brought over	38,3759,369	48,86,691	38,86,46,060
Housing Accommodation	1,21,19,982	..	1,21,19,982
Acquisition of land at Morga for shifting potter from Dharavi to Jogeshwari	5,74,346	—	5,74,346
Const. of 100 wide Rd. from Edward to Jackeria Bunder Road - Acquisition of Port Trust land by B.M.C.	28,08,780	—	28,08,780
Acquisition of Land in Survey No.129, Hissal, Squartters Nos. 130-136 of Eksar Pahed for housing of dishoused tenants as well as displaced Industries in execution of its sanctioned Schemes.	94,149	—	94,149
Acquisition of land at Borla Village	82,64,074	—	82,64,074
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
Acquisition of land B.S.D.S. No. 12 H No. 12 at Borla for squatters Camp & 60 wide Road, Chembur Govandi Road	6,30,639	—	6,30,639
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 Kandivli	3,51,977	—	3,51,977
Taking over explosion victims tenements S P sheds at Shantinagar Arthur Road etc.	4,84,801	—	4,84,801
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	45,69,661	—	45,69,661
	41,38,40,107	48,86,691	41,87,26,798

APENDIX No. 43 (Contd..)

IMPROVEMENT SCHEMES

Block account showing details of Capital Expenditure upto 31st March, 1990.

Particulars	Total Capital Expenditure upto 31st March, 1989	Expenditure during 1989-90	Total Capital Expenditure upto 31st March, 1990
	Rs.	Rs.	Rs.
Chaupati Reclamation	1,889	--	1,889
East Chaupati Estate	4,380	--	4,380
Lumpsum Provision for granting loans to erect buildings on Imp., Scheme lands as provided under Section 354 W of the Municipal Act,	15,040	--	15,040
72 Tripartie 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
Lumpsum provision for Housing Accommodation for poorer classes including revision for acquisition	12,18,18,296	48,86,691	12,67,04,987
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 Fisherment 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
Mill Company's Chan schemes			
Scheme No.			
42 Spring Mills	5,16,990	--	5,16,990
51 Century Mills	1,29,980	--	1,29,980
65 David Mills	2,96,852	--	2,96,852
	9,45,822	--	9,45,822

Particulars	Total Capital Expenditure upto 31st March, 1989	Expenditure during 1989-90	Total Capital Expenditure upto 31st March, 1990
	Rs.	Rs.	Rs.
Bpolice Accommodation Schemes,			
Scheme No.			
14 First Nagpada	84,450	--	84,450
16 Wodehouse Road	3,22,667	--	3,22,667
17 Duncan Road	58,981	--	58,981
18 Shepherd Road	36,223	--	36,223
19 Agripada	1,79,120	--	1,79,120
23 Connuaght Road	79,495	--	79,495
24 Princess Street	2,65,953	--	2,65,953
25 Gamdevi	1,29,407	--	1,29,407
34 Lamington Road	4,61,024	--	4,61,024
35 Sandhurst Road West	1,46,104	--	1,46,104
39 Sandhurst Road East	7,58,893	--	7,58,893
40 Byculla	8,28,411	--	8,28,411
44 Maharbaudi	2,71,434	--	2,71,434
45 Palton Road	5,71,492	--	5,71,492
46 Naigaum	5,69,142	--	5,69,142
48 Mahim	4,53,032	--	4,53,032
55 Chinchbunder Road	4,32,656	--	4,32,656
55A Mazgaon	4,53,560	--	4,53,560
63 King's Circle(Matunga)	4,82,185	--	4,82,185
67 Naigum (for Armed Police and Recruits)	24,42,031	--	24,42,031
70 Arthur Road	1,58,357	--	1,58,357
	91,84,617	--	91,84,617
Refund to preliminary expenses to Government	38,019	--	38,019
Preliminary expenses in connection with the Improvements of slum arears	68,816	--	68,816

APENDIX No. 43 (Contd..)

IMPROVEMENT SCHEMES

Block account showing details of Capital Expenditure upto 31st March, 1990.

Particulars	Total Capital Expenditure upto 31st March, 1989	Expenditure during 1989-90	Total Capital Expenditure upto 31st March, 1990	Particulars	Total Capital Expenditure upto 31st March, 1989	Expenditure during 1989-90	Total Capital Expenditure upto 31st March, 1990
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Slum Clearance				Provision of a lift in the Improvement Trust Building at Napier Road near Queens Status	12,267	--	12,267
Preliminary Expenses	22,481	--	22,481		8,75,562	--	8,75,562
Transit Camps for providing alternative housing accommodation to facilitate Slum Clearance-				Discount on Loans	14,53,359	--	14,53,359
(i) Construction of 244 tenements, etc.	2,56,843	--	2,56,843	Expenses in connection with the Loan of Rs.10 lakhs	12,227	--	12,227
(ii) Construction of 210 tenements etc.	1,81,987	--	1,81,987	Expenses in connection with the repayment of Rs.25 Lakhs loans	19,504	--	19,504
	4,63,311		4,63,311	Expenses in connection with the loan raised in 1957-58	62,048	--	62,048
Miscellaneous				Repayment of Rs.40 lakhs loan of 1919...	26,83,469	--	26,83,469
Survey of the Island of Bombay	1,06,046	--	1,06,046	Part payment of Rs.25 Lakhs loan of 1926	19,08,494	--	19,08,494
Administrative Offices, etc. Building on Esplanade Road near Queen's Statue	3,21,562	--	3,21,562		61,39,101	--	61,39,101
Engineer's Office at Matunga	1,38,468	--	1,38,468				
Central Stores at the back of Free Fitastkcher school	15,656	--	15,656				
Store yard at Agripads etc.	83,081	--	83,081				
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	42,44,33,657	48,86,691	42,93,20,548	Grand Total	43,14,48,520	48,86,691	43,63,35,211

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

APPENDIX No. 44

IMPROVEMENT SCHEMES - SLUM CLEARANCE - CITY

Block account showing details of Capital Expenditure upto 31st March 1990.

PARTICULARS	Total Capital expenditure upto 31st March, 1989	Expenditure during 1989-90	Total Capital expenditure upto 31st March, 1990
	* 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 Garamkhada Market, Lalbuag	13,06,389	375	13,06,764
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 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.	3,95,761	--	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.	97,93,252	375	97,93,627
B.-Works to be carried out with the Government Aid-			
Construction of tenements for conservancy staff in place of existing dilapdated structures at Prabhadevi.	8,96,426	72,337	9,68,763
Construction of tenements at Gas works land (Peru chawl compound) Lalbaugh, Phase III.	2,87,514	1,925	2,80,439
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	5,06,20,485	74,262	5,06,94,747
Grand Total*	6,04,13,737	74,637	6,04,88,374

*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 1990.

PARTICULARS	Total Capital expenditure upto 31st March, 1989	Expenditure during 1989-90	Total Capital expenditure upto 31st March, 1990
	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

APPENDIX No. 46

Improvement Scheme Account, Slum Improvement, Block Account showing details of Capital Expenditure upto 31st March 1990.

Serial No.	Particulars	Total Capital Expenditure upto 31-3-89	Expenditure during 1989-90	Total Capital Expenditure upto 31-3-90
		Rs.	Rs.	Rs.
1.	Providing civic amenities	23,35,23,284	3,93,99,300	27,34,22,584
2.	Providing additional amenities	10,71,59,588	1,31,976	10,72,91,564
3.	Civic amenities such as A. P. Blocks	27,08,131	--	27,08,131
4.	Developing the pitches and providing amenities commencing in the construction of fly-over bridge at Goregaon.	7,95,987	--	7,95,987
5.	Demolition and reconstruction of AP/WC Blocks.	2,88,07,035	80,75,745	3,68,82,780
6.	Work of providing amenities in different slums suggested by M.L.A.'s in Greater Bombay from allotment of Rs. 10 lakhs per M.L.A.'s constituency	7,00,86,167	4,37,53,374	11,38,39,541
7.	Major repairs to amenities provided in the slum such as drains, c.c. passages & ater pipes etc.		30,49,049	30,49,049
8.	Major works of improvement and re-surfacing the roads in the slums		77,28,660	77,28,660
9.	Construction of suction tank with pump-room in slum area.		54,794	54,794
10.	Construction of retaining walls in Slum area.		87,856	87,856
	Total	44,30,80,192	10,27,80,754	54,58,60,946
	Programme wise break-up is as shown below :-			
1.	Out of programme for 1984-85	2,68,10,954	47,09,395	3,15,20,349
2.	Out of programme for 1985-86	1,94,49,637	34,69,853	2,29,19,490
3.	Out of programme for 1986-87	1,81,13,916	26,02,824	2,07,16,740
4.	Out of programme for 1987-88	54,27,752	1,28,74,371	1,83,02,123
5.	Out of programme for 1988-89	2,83,908	1,80,69,233	1,83,53,141
6.	Out of programme for 1989-90		20,27,698	20,27,698
	Total	7,00,86,167	4,37,53,374	11,38,39,541

APPENDIX NO.52 - (Consolidated)

Statement showing outstanding balances of Loans on 31st March, 1990, pertaining to Budget 'B'

Serial No.	Particulars of Loan	Rate of Interest per annum	Outstanding Loan Balance on 31st March,1990	Serial No.	Particulars of Loan	Rate of Interest per annum	Outstanding Loan Balance on 31st March, 1990
1	2	3	4	1	2	3	4
			Rs.				Rs.
	Improvement Scheme-				Programme No.10		
				35	Rs.1,62,343 Loan, 1966-67	5-3/4%	1,04,295.74
				36	Rs.2,108 Loan 1967-68	5-3/4%	1,358.77
	Loans Raised from Public			37	Rs.1,146 Loan, 1967-68	5-3/4%	740.95
				38	Rs.58,984 Loan, 1968-69	5-3/4%	37,972.54
					Total - Prog. 10		1,44,368.00
					Programme No.11		
				39	Rs.69,426 Loan, 1968-69	5-3/4%	44,702.75
				40	Rs.75,936 Loan 1969-70	5-3/4%	48,881.84
				41	Rs.13,725 Loan, 1970-71	6-1/2%	9,153.41
					Total Prog. 11		1,02,738.00
1	Rs.100 Lakhs Loan, 1965-66	6%	1,00,00,000.00		Total - Govt. Loans		43,01,695.28
2	Rs.50 Lakhs Loan, 1966-67	6%	50,00,000.00				
3	Rs.50 Lakhs Loan, 1967-68	6%	50,00,000.00		Loan raised from the Public -		
4	Rs.75 Lakhs Loan, 1968-69	6%	75,00,000.00				
5	Rs.250 Lakhs Loan, 1976-77	6-1/4%	2,50,00,000.00				
6	Rs.275 Lakhs Loan , 1977-78	6-1/4%	2,75,00,000.00				
	Total - Public Loans		8,00,00,000.00				
	Total - Improvement Scheme		8,00,00,000.00	43	Rs.50 Lakhs Loan, 1966-67	6%	50,00,000.00
				44	Rs.25 Lakhs Loan, 1971-72	6%	25,00,000.00
	Slum Clearance - City			45	Rs.50 Lakhs Loan, 1972-73	6%	50,00,000.00
				46	Rs.50 Lakhs Loan, 1973-74	6%	50,00,000.00
				47	Rs.75 Lakhs Loan, 1975-76	6-1/4%	75,00,000.00
	Loans raised from the Govt.			48	Rs.100 Lakhs Loan, 1976-77	6-1/4%	1,00,00,000.00
				49	Rs.50 Lakhs Loan, 1977-78	6-1/4%	50,00,000.00
	Programme No.1						
					Total - Public Loans		4,00,00,000.00
7	Rs.9,50,997 Loan, 1957-58	4-1/2%	4,61,969.70		Total - Slum Clearance (City)		4,43,01,695.28
8	Rs.6,12,000 Loan, 1958-59	4-1/2%	2,97,293.82		Slum Clearance - Suburbs		
9	Rs.2,73,000 Loan, 1959-60	4-1/2%	1,32,617.93		& Extd. Suburbs-		
10	Rs,1,85,000 Loan, 1960-61	4-1/2%	89,968.34		Loan raised from the Govt. -		
11	Rs.5,04,000 Loan, 1961-62	4-1/2%	2,27,342.24		Programme No.2		
12	Rs.2,64,529 Loan, 1962-63	5-1/4%	1,35,041.66	50	Rs.307,000 Loan 1959-60	4-1/2%	1,92,676.29
13	Rs.2,50,971 Loan, 1963-64	5-1/4%	1,28,120.33	51	Rs.5,84,000 Loan , 1960-61	4-1/2%	3,66,507.79
14	Rs.47,250 Loan, 1964-65	5-1/4%	24,121.20	52	Rs.3,54,375 Loan, 1962-63	5-1/4%	2,31,018.36
15	Rs.2,20,355 Loan, 1964-65	5-3/4%	1,12,490.97	53	Rs.1,67,625 Loan, 1963-64	5-1/4%	1,09,277.73
16	Rs.50,504 Loan, 1965-66	5-3/4%	24,887.21	54	Rs.2,43,364 Loan, 1964-65	5-1/4%	1,58,659.22
17	Rs.73 Loan, 1965-66	5-3/4%	36.07	55	Rs.11,599 Loan, 1966-67	5-3/4%	7,472.80
18	Rs.568 Loan, 1966-69	5-3/4%	280.10				
	Total - Prog. 1		16,34,069.57		Total Prog. 2		10,65,612.19
	Programme No.2				Programme No. 3		
19	Rs.94,500 Loan, 1961-62	4-1/2%	59,296.36	56	Rs.1,62,000 Loan, 1960-61	4-1/2%	43,660.60
				57	Rs.9,72,000 Loan, 1961-62	4-1/2%	2,61,961.24
				58	Rs.1,00,182 Loan, 1962-63	5-1/4%	28,824.86
	Total Prog. 2		59,296.36	59	Rs.7,818 Loan 1963-64	5-1/4%	2,250.77
					Total - Prog. 3		3,36,697.47

APPENDIX NO.52 - (Consolidated)

Statement showing outstanding balances of Loans on 31st March, 1990, pertaining to Budget 'B'

Serial No.	Particulars of Loan	Rate of Interest per annum	Outstanding Loan Balance on 31st March,1990	Serial No.	Particulars of Loan	Rate of Interest per annum	Outstanding Loan Balance on 31st March, 1990
1	2	3	4	1	2	3	4
			Rs.				Rs.
	Programme No.3				Programme No.4		
20	Rs.9,00,000 Loan, 1960-61	4-1/2%	2,42,574.05				
21	Rs.62,037 Loan, 1962-63	5-1/4%	17,849.83	60	Rs.4,56,300 Loan, 1963-64	5-1/4%	3,03,351.51
22	Rs.9,963 Loan, 1963-64	5-1/4%	2,867.25	61	Rs.1,08,900 Loan, 1964-65	5-1/4%	71,000.76
				62	Rs.4,75,911 Loan, 1964-65	5-1/4%	3,10,246.28
	Total - Prog. 3		2,63,291.13	63	Rs.1,31,267 Loan, 1965-66	5-3/4%	84,508.09
				64	Rs.1,53,917 Loan, 1965-66	5-3/4%	99,094.17
	Programme No.4			65	Rs.1,07,739 Loan, 1965-66	5-3/4%	69,358.81
				66	Rs.1,06,343 Loan, 1965-66	5-3/4%	68,459.02
23	Rs.3,69,600 Loan 1963-64	5-1/4%	2,40,963.45	67	Rs.1,28,865 Loan, 1966-67	5-3/4%	82,960.82
24	Rs.1,84,800 Loan, 1964-65	5-1/4%	1,20,481.74	68	Rs.66,705 Loan, 1967-68	5-3/4%	42,951.09
				69	Rs.12,159 Loan, 1967-68	5-3/4%	7,836.65
	Total Prog. 4		3,61,445.19	70	Rs.22,388 Loan, 1968-69	5-3/4%	14,423.00
				71	Rs.3,519 Loan, 1968-69	5-3/4%	2,270.08
	Programme No. 6				Total Prog. 4.		11,56,460.28
					Total - Govt. Loan		25,58,769.94
25	Rs.1,53,900 Loan, 1966-67	5-3/4%	75,860.71		Loans raised from the Public-		
26	Rs.10,190 Loan, 1967-68	5-3/4%	5,021.43				
27	Rs.6,910 Loan, 1967-68	5-3/4%	3,404.91	72	Rs.50 Lakhs Loan, 1966-67	6%	50,00,000.00
28	Rs.57,000 Loan, 1968-69	5-3/4%	28,088.52	73	Rs.50 Lakhs Loan, 1967-68	6%	50,00,000.00
				74	Rs.25 Lakhs Loan, 1968-69	6%	25,00,000.00
	Total - Prog. 6		1,12,375.57	75	Rs.40 Lakhs Loan, 1973-74	6%	40,00,000.00
	Programme No.9			76	Rs.100 Lakhs Loan 1975-76	6-1/4%	1,00,00,000.00
29	Rs.6,10,818 Loan, 1966-67	5-3/4%	3,93,239.98	77	Rs.125 Lakhs Loan, 1976-77	6-1/4%	1,25,00,000.00
30	Rs.5,73,838 Loan, 1967-68	5-3/4%	3,69,430.16	78	Rs.50 Lakhs Loan, 1977-78	6-1/4%	50,00,000.00
31	Rs.7,28,110 Loan, 1968-69	5-3/4%	4,68,738.78				
32	Rs.1,00,518 Loan, 1968-69	5-3/4%	64,723.10		Total - Public Loans		4,40,00,000.00
33	Rs.1,04,516 Loan, 1969-70	5-3/4%	67,284.64				
34	Rs.3,91,298 Loan, 1970-71	6-1/2%	2,60,694.80		Total - Slum Clearance (Subs & Ext. Subs.)		4,65,58,769.94
	Total - Prog. 9		16,24,111.46		Slum Improvement-		
					Loans raised from Public		
				79	Rs.200 Lakhs Loan, 1976-77	6-1/4%	1,00,00,000.00
					Total - Slum Improvement		2,00,00,000.00
					Grand Total - Budget 'B'		19,08,60,465.22

Appendix

IMPROVEMENT

Statement showing outstanding Loans of the Bombay Improvement Trust due by th
payable for the year, 1989-90, the amount paid during the yea

Serial No.	Particulars of Loans	Rate of Interest per Annum	Amount raised	Balance due on 1st April 1989	Amount raised on 1989-90	Total
1	2	3	4	5	6	7
			Rs. P	Rs. P	Rs. P	Rs. P
	Loans raised from Internal Funds					
1	Rs.100 lakhs loan 1965-66	6%	1,00,00,000.00	1,00,00,000.00		1,00,00,000.00
1	Rs.50 lakhs Loan 1966-67	6%	50,00,000.00	50,00,000.00		50,00,000.00
2	Rs.50 lakhs Loan 1967-68	6%	50,00,000.00	50,00,000.00		50,00,000.00
3	Rs.75 Lakhs Loan 1968-69	6%	75,00,000.00	75,00,000.00		75,00,000.00
4	Rs.250 (out of Rs.450) lakhs Loan 1976-77	6-1/4%	2,50,00,000.00	2,50,00,000.00		2,50,00,000.00
5	Rs.275 lakhs Loan 1977-78	6-1/4%	2,75,00,000.00	2,75,00,000.00		2,75,00,000.00
	Total from Internal Funds		6,00,00,000.00	6,00,00,000.00		6,00,00,000.00

No.52

SCHEMES

Municipality the interest outstanding on 1st April, 1989, on the different Loans, the amount Balances, outstanding on 31st March, 1990.

Amount repaid in 1989-91	Balance due on 31st March 1989	Interest outstanding on 1st April, 1989	Interest payable in 1989-90	Total Interest due	Interest paid during the year	Outstanding balancing of Interest on 31st March, 1990
8	9	10	11	12	13	14
Rs. P	Rs. P	Rs. P	Rs. P	Rs. P	Rs. P	Rs. P
		1,00,00,000.00		6,00,000.00	6,00,000.00	6,00,000.00
		50,00,000.00		3,00,000.00	3,00,000.00	3,00,000.00
		50,00,000.00		3,00,000.00	3,00,000.00	3,00,000.00
		75,00,000.00		4,50,000.00	4,50,000.00	4,50,000.00
		2,75,00,000.00		15,62,500.00	15,62,500.00	15,62,500.00
		2,75,00,000.00		17,18,750.00	17,18,750.00	17,18,750.00
		8,00,00,000.00		49,31,250.00	49,31,250.00	49,31,250.00

APPENDIX No. 59

EDUCATION FUND

Revenue Account for the year ended 31st March, 1990.

Particualars	Rs. P	Particulars	Total Rs. P
To Revenue Expenditure	97,21,26,275.29	By Revenue Receipts	95,40,60,621.72
To Revenue Surplus during the year 1989-90	--	By Revenue Deficit during the year 1989-90	1,80,65,653.57
Total	97,21,26,275.29	Total	97,21,26,275.29
To Revenue Expenditure to be Incurred in 1989-90 and provided for as Renewed Grants	6,74,33,900.00	By Surplus Revenue Fund as at 1st April, 1989	1,75,71,838.30
To Revenue deficit during the year 1889-90	1,80,65,653.57	By Revenue Surplus during the year 1989-90	--
To Balance being Surplus Revenue Fund as at 31st March, 1990...	1,26,46,284.73	By Revenue Expenditure grant of previous years reserved for the year 1989-90	8,05,74,000.00
	9,81,45,838.30		9,81,45,838.30

APPENDIX No.62

EDUCATION FUND

Revenue Account Balance Sheet as at 31st March, 1990

Liabilities	Rs. P	Assets	Rs. P
A- Revenue Account		**Investment**	
Surplus Revenue Fund	1,26,46,284.73	Sundry Advances (Adjustable) @	1,26,18,701.11
Outstanding charges for the year		In securities (APP-71-A)	5,09,49,900.00
1988-89 and 1989-90	6,74,33,900.00	In Cash with S.B.I.	1,703.69
		Amount held with Budget A Div. I*	1,65,09,879.93
TOTAL 'A'	8,00,80,184.73		8,00,80,184.73
B Special Fund A/c.		**Investment (App-72)**	
Endowment Fund	14,79,199.39	In Securities	4,76,750.00
		In Fixed deposit	10,02,300.00
		In Cash with S.B.I.	149.39
TOTAL 'B'	14,79,199.39		14,79,199.39
C- Suspense A/c.		**Advance Recoverable**	
Cheques payable A/c.	95,67,468.23	Sundry Advances @	3,80,07,129.39
Cash Bills outstanding	--	Other Advances @	7,69,672.65
Interest Accrued but not paid A/c. (App-69)	46,54,605.91	Education Loan Interest warrant payable account	850.25
Unclaimed dues & deposit (Refundable) A/c.	1,36,844.70	Cash at Bank Cr. 1,53,19,599.67	Cr. 1,53,11,558.98
Interest on Loans payable A/c.	--	Cash in office 8,040.69	
Deposit in Cash and Public Securities		Amount held with Budget A Div.-I*	4,62,47,226.52
from contractors and private parties etc.	5,53,54,400.99		
TOTAL 'C'	6,97,13,319.83		6,97,13,319.83
Grand Total	15,12,72,703.95		15,12,72,703.95

@ As per Appendix 6%

Rs.	
1,26,18,701.11	
3,80,07,129.39	
7,69,672.65	
5,13,95,503.15	

* Amount held with Budget-A Div.-I

Rs.	
1,65,09,879.93	
4,62,47,226.52	
6,27,57,106.45	
+ 1,51,64,379.69	In Loan fund
7,79,21,486.14	

APPENDIX No. 63

EDUCATION FUND

Capital Fund Balance Sheet as at 31st March, 1990.

Liabilities	Rs. P	Assets		Rs.
		Block Account Appendix 64		
Loans Outstanding-				
Due to Public	33,29,00,000.00	Loan Funds		53,23,69,549.4,
Trust Fund	694.31	Trust Fund		2,08,755.42
Surplus-		**Investment-**		
Sinking Fund	5,60,85,118.91	**Sinking Fund Appendix 66 and 71**		
Contribution from Trust Fund	2,08,755.42	In Securities	5,60,85,100.00	
Contribution from Government	10,00,000.00	In Cash at Bank	18.91	5,60,85,118.91
Central Govt. Assistance for Flood damage	1,28,500.00	Trust Fund -		
Special Central Assistance as recommended by IX Finance Commission	1,32,50,000.00	In Cash		694.31
Advance from Surplus Monies for meeting Capital Expenditure pending raising of Loans	--	Loan Fund-		
Loan Redemption Fund 20,05,00,000.00		In Securities Rs.	--	
		In Cash at Bank	75.70	
Less:		Amount held in		
Assets write off Rs. 2,44,495.14.	20,02,55,504.86	Budget-A Div. - I	1,51,64,379.69	1,51,64,455.39
Grand Total	60,38,28,573.50	Grand Total		60,38,28,573.50

APPENDIX No. 64

Statement showing Capital Works Expenditure upto 31st March, 1990.

Education Fund

Capital Account	Total Capital Works Expenditure upto 31st March, 1989	Capital Works Expenditure during 1989-90	Total Capital Works Expenditure upto 31st March, 1990
Loan Funds	Rs.	Rs.	Rs.
City Section	17,13,93,959.17	94,71,011.30	18,08,64,970.47
Western Suburban Section *	22,70,72,530.99	1,32,79,921.56	24,03,52,452.55
Eastern Suburban Section	9,50,53,39.00	1,60,99,087.45	11,11,52,126.45
Total Loan Fund	49,35,19,529.16	3,88,50,020.31	53,23,69,549.47
Trust Fund	2,08,755.42	--	2,08,755.42
Grand Total	49,37,28,284.58	3,88,50,020.31	53,25,78,304.89

* This includes the Eastern Suburbs capital Expenditure in respect of Works completed upto 31.3.1982

APPENDIX NO. 64 (Contd..)

EDUCATION FUND

Block Account showing detail Capital Expenditure upto 31st March, 1990.

Serial No.	Item No. Revised 1987-88	Particulars of Capital Work	Total Capital Expenditure March, 1989	Capital Expenditure 1989-90	Total Capital Expenditure March, 1990
			Rs. Ps.	Rs. Ps.	Rs. Ps.
		Loan Fund			
		Works completed			
		City Section			
		Acquisition			
1	1	Acquisition of land bearing C.S. No. 948 of Mahim Division a long Swatantrya Veer Savarkar Marg for secondary School	2,71,151.45	....	2,71,151.45
2	2	Lumpsum Provision for acquisition of Sites in the City for Municipal School Building.	22,30,267.69	Cr. 23,30,189.63	Cr. 99,921.94
3	3	Acquisition of Land bearing C.S. No.1/1928 of Byculla Division for Secondary School.	6,55,651.50	1,01,996.07	7,57,647.57
4	4	Acquisition of land bearing C.S. No. 70(part of Parel Sewri Division for M.P.L.School R.G. and 30' D.P. Road	11,30,616.52	---	11,30,616.52
5	5	Acquisition of land bearing C.S.No. 756 of Mazgaon Division for Municipal Primary School	27,63,319.90	----	27,63,319.90
6	6	Acquisition of Land in case No.Laq/277 bearing C.S.No.62 (Part) of Malbar Hill Division for M.P.L. School of Recreation Ground	27,30,427.70	---	27,30,427.70
		Total For Acquisition of sites	70,51,007.06	5,02,234.14	75,53,241.20
		Constructions			
7	7	Lumpsum Provision for semi Permanent structures in the City	27,437.89	--	27,437.89
8	8	Lumpsum provision for providing suction Tanks etc. in Municipal School Bldg. (All Ward)	2,11,099.90	56,711.71	2,67,811.61
9	9	Lumpsum provision for construction compound walls around Municipal School Bldg. (All Ward)	8,48,681.23	1,89,389.18	10,38,070.41
10	10	Construction of a School Bldg. on the piece of land offered by Central Govt. in the Central Govt. Colony at Sion Koliwada (F/N)	27,41,741.94	18,34,167.90	45,75,909.84
11	11	Construction of a School Building at Parekh land Worli Koliwada	10,597.85	--	10,597.95
12	12	Cosntruction of a School Bldg., on O.S.No. 108 of Parel -Sewri 2/108 (Pt.) Parel Govt. Gate Road(F/S)	66,24,025.61	1,70,534.87	67,94,560.48
13	13	Construction of a School Bldg., at B.D.D. Chawl No.10, N.M. Joshi Marg, on the open space Near Sitaram Mills (G/S)	82,96,107.85	--	82,96,107.85
14	14	Lumpsum Provision for extension and additions to Municipal School Bldgs.	57,414.72	--	57,414.72
15	15	Additional floor over School Bldg., near Matunga Pumping Station	22,93,027.55	--	22,93,027.55
16	16	Lumpsum provision for providing furniture and equipments in newly constructed Municipal Schools All	36,03,417.32	5,58,045.69	41,61,463.01
17	17	Construction of school Building at 113, 114 S.V. Patel Road, Angrewadi, Phase-I	9,135.56	--	9,135.56
18	18	Construction of School Building at Koliwada Sewree	4,840.00	1,67,175.80	1,72,015.80
19	19	Extension to School Building at F. Patanwala Marg, Byculla (East)	12,52,609.40	--	12,52,609.40
20	20	Primary School Building at 2/14 2nd Cooper Street	1,476.75	--	1,476.75
21	21	Construction of School Bldg., near Badami Koyala Karkhana at Dharavi (G/N)	7,152.07	--	7,152.07
22	22	Construction of a new School Bldg., at 12, Belvedere Road Mazgaon, Bombay	3,163.97	--	3,163.97
23	23	Lumpsum provision for taking trial pits bore for testing subsoil at different schools plot in the city.	21,114.94	15,450.95	36,565.89
24	24	Lumpsum provision for water proofing to Municipal School Bldg., in City (All Ward)	63,44,716.02	32,45,980.00	95,90,696.02
		Total c/f	3,23,57,760.67	62,37,456.10	3,85,95,216.77

APPENDIX NO. 64 (Contd..)

EDUCATION FUND

Block Account showing details of capital Expenditure 31st March, 1990.

Serial No.	Item No. Revised Estimates 1987-88	Particulars of Capital Work	Total Capital Expenditure March, 1989	Capital Expenditure 1989-90	Total Capital Expenditure March, 1990
			Rs. P	Rs. P	Rs. P
		Total B.O.	3,23,57,760.67	62,37,456.10	3,85,95,216.77
25	31	Construction of new School Building near Prabhodhankar Thakare Garden at Acharya Donde Marg, Sewri	10,517.98	--	10,517.98
26	32	Repairs to School Building at Worli Naka	3,59,705.99	7,54,841.26	11,14,547.25
27	35	Extention to the School Building at F/N Ward Office Building known as Khoja orphanarge property	10,395.98	--	10,395.98
28	37	Construction of School Building on C.S.No. 494, V.P. Road, Girgaum.	7,796.98	--	7,796.98
29	40	Construction of School Building onC.S.No. 166 Part Lower Parel Division.	11,870.20	--	11,870.20
30	42	Additional floor over existing School Building on plot No. 130 TPS-III Mahim, Manmala Tank Road	30,95,770.71	--	30,95,770.71
31	43	Construction of Schools building on S.No. 374, Moti Shah Lane, Love Lane Mazgaon	5,70,133.68	9,61,900.84	15,32,034.52
32	44	Construction of School building at Byculla Division known as Bawalawadai Compound	4,37,648.86	--	4,37,648.86
33	45	Major repairs Mahim (E) Municipal School Building at Matunga LabourCamp	12,21,859.31	5,22,720.10	17,44,579.41
34	47	Providing guniting treatment to R.C.C. Work	6,00,167.55	--	6,00,167.55
35	48	Major Structural repairs to Municipal Primary School at St. Marry Road, Tadwadi, Mazgaon	5,613.93	1,90,932.50	1,96,546.43
36	49	Water proofing treatment to sanitary blocks and Guniting treatment to M.G. Marg, School Building Prabhadevi, G/South Ward.	2,14,799.62	--	2,14,799.62
37	50	Construction of New Stair case at Mahilashram school at Matunga	1,80,174.98	--	1,80,174.98
38	52	Providing additional amenities for School facilities in Slum in City	5,93,525.48	3,00,926.36	8,94,451.84
		Total City Section (Construction)	3,96,77,741.92	89,68,777.16	4,86,46,519.08
		Grand Total - City Section	17,13,93,959.17	94,71,011.30	18,08,64,970.47
		Loan Funds			
		Western Suburban Section Work Completed	13,04,89,401.58	--	13,04,89,401.58
		Acquisition			
1	1	Lumpsum provision for acquisition of Sites in the Western Suburban Section	24,54,120.31	1,20,626.00	25,74,746.31
2	2	Acquisition of land bearing C.T.S. Nos. 173 (part) 110 (part) 112 (part) 112B(Part) 136(part) etc. of Pahad Goregaon for purpose of Primary School Playground and D.P. Road	715.00	--	715.00
3	3	Acquisition of land bearing S.No.149/A H.No. 1 (part) of Borivali for Municipal School and Play ground at Rajada Nagar	23,34,193.40	--	23,34,193.40
4	4	Acquisition of land at Marol for Primary School, Play ground and Road	--	--	--
5	5	Land acquisition B.S.D.S. No. 230, H.No. 19 of Vile Parle for Playground.	8,15,655.70	--	8,15,655.70
		Total Acquisition of Sites	56,04,884.41	1,20,626.00	57,25,510.41

£ This includes Eastern Suburban Section Capital Expenditure in respect of Work Completed upto 31-3.1962.

APPENDIX NO. 64 (Contd.)

EDUCATION FUND

Block Account showing details of capital Expenditure 31st March, 1990.

Serial No.	Item No. Revised Estimates 1987-88	Particulars of Capital Work	Total Capital Expenditure March, 1989	Capital Expenditure 1989-90	Total Capital Expenditure March, 1990
			Rs. P	Rs. P	Rs. P
		Construction			
6	7	Lumpsum provision for providing suction Tank at Municipal School Building (All Wards)	17,29,039.44	--	17,29,039.44
7	8	Lumpsum provision for constructing compound walls around Municipal School Building (All Wards)	20,11,786.78	6,86,494.02	26,98,280.80
8	10	Lumpsum provision for S.P. Sheds in Western Suburban Section (All Wards)	21,22,279.86	--	21,22,279.86
9	11	Lumpsum provision for extension and addition etc. to Municipal School Building (All Wards)	32,25,458.44	--	32,25,458.44
10	12	Construction of School Building at Oshivara (K/W): Phase - I	50,20,945.22	--	50,20,945.22
		Phase - II	3,42,450.98	18,10,730.70	21,53,181.68
11	13	Lumpsum provision for providing furniture and equipments in newly constructed Municipal Schools upto 77-78	90,48,622.61	24,39,636.10	1,14,88,258.71
12	14	Construction of School Building on Plot of Bandra Reclamation Scheme	10,685.76	--	10,685.76
13	15	Construction of School Building at Gandhi Gram Marg Juhu	42,81,910.84	--	42,81,910.84
14	16	Construction of School Building at D. N. Nagar Andheri (W)	1,02,06,678.51	--	1,02,06,678.51
15	17	Lumpsum provision for taking trial pits and trial bores for testing subsoil at different part of work at Western Sub-Section.	12,954.10	--	12,945.10
16	18	Lumpsum provision for water proofing treatment to Municipal School building in Western Suburban (All Wards)	65,51,086.89	16,96,671.66	82,47,758.55
17	19	Extension to School Bldg. at Marol Village, Andheri	46,05,039.16	8,105.64	46,13,144.80
18	20	Proposed extension to the School Building at Prabhat Colony, Santacruz (West)	8,177.49	--	8,177.49
19	21	Construction of School Building at Tank Land, Gundawali South Side of Sir M. G. Road, Andheri	80,73,199.73	12,290.88	80,85,490.61
20	22	Cosntruction of School Building Reserved Plot No. 70 at Khetwadi, Santacruz	60,72,914.80	4,400.00	60,85,490.61
21	23	Construction of School Building on Plot No.427 and 428 Vakola Pipeline Narial Wadi, Santacruz	74,36,295.67	--	74,36,295.67
22	24	Extention to School Building in the Compound of Vakola School, Santacruz	26,30,663.93	...	26,30,663.93
23	25	Expansion of Cama Road, Urdu School Building at Andheri	32,04,589.70	29,233.80	32,33,823.50
24	26	Construction of a School Building on Mhatre Plot Quarry Road, Malad (P)	25,10,448.72	...	25,10,448.72
25	27	Extension to School Building oat Mitha Nagar, Goregaon (W)(P)	25,77,120.60	1,56,281.20	27,33,401.80
26	28	Construction of School Building at Erangal Village 'P' Ward, Malad (West)	12,977.52	...	12,977.52
27	29	Reconstruction of the existing School Building at Lalji Trikamji School by a Multistorayed Building at S.V. Road, Borivli	3,784.85	....	3,784.85
28	30	Construction of New School Building on the open plot by the side of existing School Building at Kanya Shala Ground, Malad (West)	977.85	--	977.85
29	33	Construction of School Building in the Kasturba Road, Kasturba Cross Road No.1, Borivali	535.05	...	535.05
30	36	Extension to School Building at Manor Village, 'P' Ward	1,156.20	--	1,156.20
31	37	Reconstruction of Bandongari B.C.B. School in P/N Malad (East)	6,469.80	--	6,469.80
32	38	Construction of School Building at M.G. Road Kandivali (E)	11,649.12	...	11,649.12
33	39	Proposed Constructrion of additional Stairecase for Municipal Secondary School Compound S.V. Road, Malad (West)	2,17,898.29	67,328.92	2,85,227.21
34	40	Construction of School building at Malwani Township Colony...	18,56,780.91	--	18,56,780.91
35	41	Construction of 4 class rooms for Aarey Road Municipal School at Goregaon (West) ...	6,014.80	8,16,785.79	8,22,800.59
		Total C.F.	8,38,00,593.62	77,27,958.71	9,15,28,552.33

APPENDIX NO. 64 (Contd.)

EDUCATION FUND

Block Account showing of Capital Expenditure upto 31st March, 1990

Serial No.	Item No. Revised 1987-88	Particulars of Capital Work	Total Capital Expenditure March, 1989 Rs. P	Capital Expenditure 1989-90 Rs. P	Total Capital Expenditure March, 1990 Rs. P
		Total B/O.	8,38,00,593.62	77,27,958.71	9,15,28,552.33
36	42	Repairs to Muncipal Primary School building at Polsar Kandiwali Opp. B.E. S & T. Depot.	8,76,222.34	87,563.81	9,63,786.15
37	43	Construction of School on Municipal Plot Squatter Colony, Jogeshwari (East)	26,249.24	--	26,249.24
38	44	Major repairs to Municipal Primary School at Kherwadi Bandra (East).	9,83,632.61	50,090.03	10,33,722.64
39	45	Repairs to Manilal Sundarji School at Vile Parle (West)	2,07,448.71	94,364.09	3,01,812.80
40	46	Repairs to Sanyashashram school at Vile Parle (West)	10,987.90	5,04,437.75	5,15,425.65
41	48	Repairs to School Building at Akurli Road, Kandivali(E)	3,924.80	1,47,645.48	1,51,570.28
42	49	Construction of School Building at Dindoshi Malad (E)	2,93,869.40	--	2,93,869.40
43	50	Construction of School Building at Samata Nagar Kandivli(E)	10,41,046.19	--	10,41,046.19
44	51	Providing additional amenities for school facilities in slums in Western Suburbs	37,34,270.19	43,42,651.29	80,76,921.48
	52	Repairs to Prabhat Colony Municipal School	--	2,04,584.40	2,04,584.40
		Total - Western Suburban Section (constructions)	9,09,78,245.00	1,31,59,295.56	10,41,37,540.56
		Grand Total - Western Suburban Section	22,70,72,530.99	1,32,79,921.56	24,03,52,452.55
		Loan Funds			
		Eastern Suburban Section			
		Works completed	2,54,97,194.01	--	2,54,97,194.01
		Acquisition			
1	1	Acquisition of land bearing C.T.S. No. 64(part), S.No. 41 (part) of Tirandaz Village for Primary School and Play ground.	66,223.30	--	66,223.30
2	2	Acquisition of Land at Mulund Plot bearing No. 1218 to 1221 etc. along P.K. Road for School and Play Ground	60,94,606.90	--	60,94,606.90
3	3	Lumpsum Provision for Acquisition of Sites in the Eastern Suburban Section-	13,38,501.92	3,79,728.80	17,18,230.72
4	4	Acquisition of Land bearing T.S. No.811 (Part) of Ghatkopar Kirol Village for Primary School at the Junction of Cama Lane and Hansati Lane	13,49,800.70	--	13,49,800.70
5	5	Acquisition of land at Wadhavli for proposed playground and 56 wide D.P. Road	1,79,945.15	--	1,79,945.15
	6	Taking over the school and play-ground plot from the owner of Swastic park layout	--	385.00	385.00
	7	Transfer of Govt. Land bearing CTS No.839 of Mulund Village at the Junction of P.K.Road and Dr. R.P. Road Mulund (west) for Library	--	6,561.50	6,561.50
	8	Acquisition of Land bearing CTS No.157(Part) of Village Kurla for the purpose of primary school at Nawpada, Kurla (west)	--	2,67,138.30	2,67,138.30
		Total- Acquisition of Sites	90,29,077.97	6,53,813.60	96,82,891.57

APPENDIX NO. 64 (Contd..)

EDUCATION FUND

block Account showing details of Capital Expenditure upto 31st March, 1990

Serial No.	Item No.- Revised Estimates 1987-88	Particulars of Capital Work	Total Capital Expenditure March, 1989	Capital Expenditure 1989-90	Total Capital Expenditure March, 1990
			Rs. P	Rs. P	Rs. P
		Construction			
6	11	Lumpsum provision for constructing compound walls around Muncipal School Building (All Wards)	2,11,225.30	2,81,001.46	4,92,226.76
7	13	Construction of School Building at Pant Nagar, Ghatkopar (East) (N)	19,86,532.37	--	19,86,532.37
8	14	Construction of School Building at Kannamwar Nagar Vikhroli (East) (S)	29,33,442.35	--	29,33,442.35
9	15	Construction of a School Building on Jaokat's Plot Chunabhatti, Kurla (L)	43,95,028.32	--	43,95,028.32
10	16	Additional 3rd floor over School Building Neval Dock Yard Colony Vikhroli.	18,32,993.42	--	18,32,993.42
11	17	Lumpsum provision for providing furniture and equipment s in newly constructed Muni. Schools upto 77-78	3,81,952.64	21,89,325.61	25,71,278.27
12	18	Construction of a Primary School at Tirandaz Village Pawai Opp. I.I. T. Vikhroli.	48,60,491.49	--	48,60,491.40
13	19	Lumpsum provision for taking trial pits and trial beres for testing subsail at different part of work at Sub-Section	--	--	--
14	20	Lumpsum provision for water proofing treatment to Municipal School Bldg., in Suburban (All Ward)	19,32,556.92	15,05,076.89	34,37,633.81
15	21	Construction of class rooms at Dhanji Devishi Municipal School Ghatkopar.	8,86,509.42	--	8,86,509.42
16	22	Construction of School Building at Podar Compund Ghatkopar (West)	1,06,04,132.38	--	1,06,04,132.38
17	23	Construction of School Building at Tagor Nagar, Vikhroli.	1,41,668.98	3,87,350.33	5,29,019.31
18	25	Construction of School Building at parsiwadi Ghatkopar plot acquired from Mukund Staff Co-op. Housing Society.	51,31,376.89	--	51,31,376.89
19	26	Construction of School building on plot Bearing No. CTS-424, 425 at Mohili Kurla	61,94,896.58	--	61,94,896.58
20	27	Construction of School Building on plot handed over by Children Aid Society Mankurd.	39,34,640.44	--	39,34,640.44
21	28	Proposed New Building for school at Chembur Labour Camp	7,589.10	--	7,589.10
22	29	Major repairs to existing School at Tagor Nagar, Vikhroli.	17,16,343.09	--	17,16,343.09
23	31	Construction of School Bldg., at Paspoli Pawai Garden	55,62,373.74	1,69,918.10	57,32,291.84
24	32	Construction of School building at Mitha Nagar Road Mulund (East) Phase - I	21,25,304.02	20,625.00	21,45,929.02
		Phase - II	---	95,373.93	95,373.93
25	33	Construction of stage including filling of plot at Ratanbai School, Mulund (West)	6,57,167.20	35,688.80	6,92,856.00
		Construction of a school building on the plot at Kamgar Nagar, Kurla (East)	--	13,983.30	13,983.30
26	38	Construction of Temporary Structure at Shivaji Nagar Govandi, for 8 Class Rooms.	7,84,214.78	--	7,84,214.78
27	39	Providing additional amenities of School facilities in Slum In Eastern Suburbs.	42,46,307.59	1,07,46,950.41	1,49,93,258.00
		Total - Eastern Suburban Section	6,05,26,767.02	1,54,45,273.85	7,59,72,040.87
		Grand Total - Easter Sub. Section	9,50,53,039.00	1,60,99,087.45	11,11,52,126.45

APPENDIX

EDUCATION

Statement showing outstanding Loans due by the Municipal Corporation the Intrest out standing on 1st April 1989 and Office during that year and the balance

	Particulars of Loans	Rate of Interest percent p.a.	Balance due on 1.4.1989	Amount raised on 1989-90	Total	Amount repaid on 1989-90
	(1)	(2)	(3)	(4)	(5)	(6)
			Rs.	Rs.	Rs.	Rs.
	Loans from Public					
(1)	Rs.275 Lakhs Loan (1979-80)	6-3/4	2,75,00,000	–	2,75,00,000	2,75,00,000
(2)	Rs.55 Lakhs Loan (1980-81)	7	55,00,000	–	55,00,000	–
(3)	Rs.110 Lakhs Loan (1981-82)	7-1/4%	1,10,00,000	–	1,10,00,000	–
(4)	Rs.220 Lakhs Loan (1982-83)	7-1/2%	2,20,00,000	–	2,20,00,000	–
(5)	Rs.302.5 Lakhs Loan (1983-84)	8-3/4%	3,02,50,000	–	3,02,50,000	–
(6)	Rs.192.50 Lakhs Loan (1984-85)	9	1,92,50,000	–	1,92,50,000	–
(7)	Rs.110 Lakhs Loan (1985-86)	9-3/4%	1,10,00,000	–	1,10,00,000	–
(8)	Rs.220 Lakhs Loan (1986-87)	11	2,20,00,000	–	2,20,00,000	–
(9)	Rs.220 Lakhs Loan (1987-88)	11	2,20,00,000	–	2,20,00,000	–
(10)	Rs.120 Lakhs Loan (1988-89)	11-1/2%	1,20,00,000	–	1,20,00,000	–
(11)	Rs.159 Lakhs Loan (1989-90)	11-1/2%	–	1,59,00,000	1,59,00,000	–
	Total loan from Public		18,25,00,000	1,59,00,000	19,84,00,000	2,75,00,000
	Loans from Internal Funds					
(12)	Rs.25 Lakhs Loan (1966-67)	6	25,00,000	–	25,00,000	–
(13)	Rs.25 Lakhs Loan (1967-68)	6	25,00,000	–	25,00,000	–
(14)	Rs.20 lakhs Loan (1968-69)	6	20,00,000	–	20,00,000	–
(15)	Rs.20 Lakhs Loan (1971-72)	6	20,00,000	–	20,00,000	–
(16)	Rs.100 Lakhs Loan (1972-73)	6	1,00,00,000	–	1,00,00,000	–
(17)	Rs.50 Lakhs Loan (1974-75)	6-1/4	50,00,000	–	50,00,000	–
(18)	Rs.50 Lakhs Loan (1975-76)	6-1/4	50,00,000	–	50,00,000	–
(19)	Rs.150 Lakhs Loan (1976-77)	6-1/4	1,50,00,000	–	1,50,00,000	–
(20)	Rs.50 Lakhs Loan (1976-77)	6-1/4	50,00,000	–	50,00,000	–
(21)	Rs.30 Lakhs Loan (1977-78)	7-1/2	30,00,000	–	30,00,000	–
(22)	Rs.100 Lakhs Loan (1978-79)	6-1/2	1,00,00,000	–	1,00,00,000	–
(23)	Rs.100 Lakhs Loan (1981-82)	7	1,00,00,000	–	1,00,00,000	–
(24)	Rs.500 Lakhs Loan (1985-86)	9-3/4	5,00,00,000	–	5,00,00,000	–
(25)	Rs.200 Lakhs Loan (1986-87)	11	2,00,00,000	–	2,00,00,000	–
(26)	Rs.200 Lakhs Loan (1987-88)	11	2,00,00,000	–	2,00,00,000	–
	Total Loans from Internal Funds		16,20,00,000		16,20,00,000	–
	Grand Total		34,45,00,000	1,59,00,000	36,04,00,000	2,75,00,000

No.45

FUND

as the different Loan, the amount Payable for the year 1989-90, the amount paid by the State bank of India. outstanding on 31st March 1990.

Balance due on 31st march 1990	Interest outstanding on 1.4.1989	Interest payable in 1989-90	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.
—	—	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	—	13,80,000.00	13,80,000.00	13,80,000.00	—
1,59,00,000	—	—	—	—	—
17,09,00,000	—	1,63,60,625.00	1,63,60,625.00	1,63,60,625.00	—
25,00,000	—	1,50,000.00	1,50,000.00	1,50,000.00	—
25,000.00	—	1,50,000.00	1,50,000.00	1,50,000.00	—
20,00,000	—	1,20,000.00	1,20,000.00	1,20,000.00	—
20,00,000	—	1,20,000.00	1,20,000.00	1,20,000.00	—
1,00,00,000	—	6,00,000.00	6,00,000.00	6,00,000.00	—
50,00,000	—	3,12,500.00	3,12,500.00	3,12,500.00	—
50,00,000	—	3,12,500.00	3,12,500.00	3,12,500.00	—
1,50,00,000	—	9,37,500.00	9,37,500.00	9,37,500.00	—
50,00,000	—	3,12,500.00	3,12,500.00	3,12,500.00	—
30,00,000	—	2,25,000.00	2,25,000.00	2,25,000.00	—
1,00,00,000	—	6,50,000.00	6,50,000.00	6,50,000.00	—
1,00,00,000	—	7,00,000.00	7,00,000.00	7,00,000.00	—
5,00,00,000	—	48,75,000.00	48,75,000.00	48,75,000.00	—
2,00,00,000	—	22,00,000.00	22,00,000.00	22,00,000.00	
2,00,00,000	—	22,00,000.00	22,00,000.00	22,00,000.00	—
16,20,00,000	—	1,38,65,000.00	1,38,65,000.00	1,38,65,000.00	—
33,29,00,000	—	3,02,25,625.00	3,02,25,625.00	3,02,25,625.00	—

APPENDIX NO. 70

EDUCATION FUND

Statement showing the amounts of Receipts and Expenditure respectively credited and debited to the Education Fund during the year 1989-90 and the balance at the credit of the Fund at the close of the year 1989-90 (i.e. 31st March, 1990).

		Rs. P
	RECEIPTS - A - REVENUE ACCOUNT	
(1A)	Education Cess	11,96,07,906.49
(1)	Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act-	
	(i) From Budget 'A' Div. I	3,95,55,540.00
	(ii) From Budget 'A' Div. II	4,75,53,090.00
	(iii) From Budget 'A' Div. III	1,78,86,860.00
(2A)	Special Contribution from -	
	(i) From Budger 'A' Division I	60,20,00,000.00
(3)	Contribution from Government under Clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act	11,51,10,000.00
(4)	Interest on Endowment and Investments	16,709.26
(5)	Rent and other proceeds properties	40,22,299.15
(6)	Interest and Profits on Investments of Surplus, Loan and other balances	26,04,275.13
(7)	Miscellaneous Receipts	57,03,941.69
	Total - Revenue Receipts	95,40,60,621.72
	RECEIPTS - B - CAPITAL ACCOUNT	
(1)	New Loans	1,59,00,000.00
(2)	Trust Fund	--
(3)	Advance from Surplus Monies for meeting Capital Work Expenditure pending raising of New Loans	
(4)	Central Govt. assistance for flood demage	--
(5)	Special Central Assistant to BMC as recommended by IXth finnace commission	1,32,50,000.00
	Total - Capital Receipts	2,91,50,000.00
	RECEIPTS - C - SUSPENSE ACCOUNT	
Advances to Muncipal Officers-		
	(a) Standing Advances for Contingent Expenditure	1,070.00
	(b) Motor Car and Motor Cycle to Officers	9,170.00
	(c) Dishonoured Cheque	22,694.96
	(d) Loan scholarships to Municipal Teaches 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		5,15,14,894.77
	Total - Advances	5,15,47,829.73
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	2,71,51,610.43
(2)	Endowment Fund (Paper and Cash) Account	--
(3)	Loan Fund (Paper and Cash) Account	2,48,64,400.00

APPENDIX No. 70 (Contd.)

EDUCATION FUND

		Rs. P
(4)	Surplus Fund (Paper and Cash) Account	1,77,50,595.72
(5)	Sundry Deposits Account	--
	Total - Paper and Cash	6,97,66,606.15
	Deposit Account	3,22,69,559.27
	Provident Fund	10,73,45,522.40
	Pension Fund	54,87,665.27
	Gratuity Fund	4,45,476.33
	Cheques Payable	85,02,66,003.91
	Endowment Fund Account	1,00,000.00
	Sinking Fund Account - Education	1,82,89,403.11
	Amount Transferred from Municipal General fund Budget A to Education fund A/c.	98,28,53,048.69
	Education Loan Interest Warrants Payable Account	1,63,60,625.00
	Interest Accrued but not paid	69,000.00
	Investment of Surplus Monies in Public Securities	--
	Loan Redemption Fund Account	2,75,00,000.00
	Unclaimed Dues and Deposits (Refundable) Account	--
	Advances from surplus monies for financing Capital Work Expenditure pending raising of New Loans	---
	Interest on Loans Payable Account	--
	Total - Deposit etc.	2,,04,09,86,303.98
	Total - Suspense Receipts	2,16,23,00,739.86
	EXPENDITURE - A - REVENUE ACCOUNT	
A.	General Surpervision and Administration	2,03,82,503.57
B.	Municipal Primary Schools	65,88,62,483.47
C.	Private Primary Schools	5,46,54,816.62
D.	Medical Inspection of School Children	85,95,677.26
E.	Enforcement of Compulsion	--
F.	Educational Activities	55,04,284.44
G.	Pension and Provident Fund	10,33,88,148.58
I.	New Works	2,64,540.87
J.	Debt Charges	4,73,33,144.58
K.	Training Facilities for Municipal Teachers	2,22,416.42
L.	Proportionate Cost of Collection of Education Cess	20,07,050.06
M.	Extra Curricular Activities	6,61,578.74
O.	Proportionate Cost of C.E.'s Central Planning Staff	10,06,329.00
P.	Lumpsum provision for staff contingency etc. for expansion of existing and new activities	--
T	Lump-sum provision for Deposit Linked Insurance Scheme	7,56,948.57
R	Lumpsum provision for payment of arrears on account of Revision of grades	56,81,633.48

APPENDIX No. 70 (Contd.)

EDUCATION FUND

		Rs. P
U	Lump-sum provision for recurring estt. cost on account of revision of grades and Ex-gratia payment	6,19,13,362.83
V	Lump-sum provision for unforseen expenditure during the year	8,91,356.80
	Total - Revenue Expenditure	97,21,26,275.29
	EXPENDITURE - B. - CAPITAL ACCOUNT	
(1)	Loan Funds	3,88,50,020.31
(2)	Trust Fund	—
	Total - Capital Expenditure	3,88,50,020.31
	EXPENDITURE - C - SUSPENSE ACCOUNT	
		Rs.
Advance to Municipal Officers -		
	(a) Standing Advances for Contingent expenditure	86,710.00
	(b) Motor Cars and Motor Cycles to Officers	660.00
	Dishonoured Cheques	22,694.96
	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	5,01,40,774.73
	Total - Advances	5,02,50,839.69
Paper and Cash Account - State Bank of India and other Local Banks including paper Deposits in Office Custody-		
	Sinking Fund (Paper and Cash) Account	1,77,50,595.72
	Endowment fund (paper and cash) Account	—
	Loan Fund (Paper and Cash) Account	—
	Surplus Fund (Paper and Cash) Account	5,20,16,010.43
	Sundry Deposits Account	1,00,000.00
	Total - Paper and Cash	6,98,66,606.15
	Deposit Account	2,63,93,112.98
	Provident Fund	10,73,45,522.40
	Pension Fund	54,87,665.27
	Gratuity Fund	4,45,476.33
	Cheques Payable	84,43,16,439.05
	Wages Deposit Account	—
	Amount transferred from Education Fund A/c. to Municipal General Fund Budget 'A'	96,28,33,540.77

APPENDIX No. 70 (Contd.)

EDUCATION FUND

	Rs. - P
Endowment Fund Account	--
Sinking Fund Account Education	2,76,90,417.82
Education Loan Interest Warrants - Payable Account	1,63,60,625.00
Interest Accrued but not paid	--
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	2,75,00,000.00
Unclaimed Dues and Deposits (Refundable) Account	--
Interest on Loans Payable A/c.	--
Total - Deposits etc.	2,01,88,62,643.37
Total - Suspense Expenditure	2,13,89,80,089.21

SUMMARY

Receipts	Account	Disbursements
Rs. P		Rs. P
-1,08,65,841.44	Opening Balance on 1st April, 1989 -	
95,40,60,621.72	A - Revenue Account	97,21,26,275.29
2,91,50,000.00	B - Capital Account	3,88,50,020.31
2,16,23,00,739.86	C - Suspense Account	2,13,89,80,089.21
3,14,55,11,361.58	Closing Balance on 31st March, 1990	3,14,99,56,384.81
		-1,53,10,864.67
3,13,46,45,520.14	Total	3,13,46,45,520.14

			Rs. P
£ Banks Reconciliation -			
Balance as per Bank's Pass Book @			65,367.41
Add - Revenue sent to the Bank on 31st March, 1990 but acknowledged on 1st April, 1990			19,987.36
		Total	85,354.77
Less - Uncashed cheques			1,54,04,954.44
Balance as per Day Book (Col. No.10)			-1,53,19,599.67
		Rs. P	
Balance in Office in Governemnt Promissory Notes etc.		-- --	
Balance in Office in Cash		-- --	
Collection kept in office		8,735.00	8,735.00
Closing Balance as shown at above			-1,53,10,864.67
@ S. B. I.	17,713.90	* S . B. I.	1,54,00,433.07
I.O.B.	47,653.51		4,521.37
	65,367.41		1,54,04,954.44

REVENUE & ELECTION

Assessment & Collection Department.
(including Octroi Branch) 1989-90

High Lights

I - Money spent on :-

	City	W. Subs	Es. Subs.	Octroi	Total
I) Establishment	324.15	174.53	81.34	444.77	1024.79
II) Other Expenditure	49.95	22.00	12.28	36.71	120.94
III) Commission to collecting agencies.	-	-	-	245.66	245.66

II - Results achieved :-

Due to continuous collection drive the recovery of Municipal Property Taxes, together with Wheel Tax & Octroi was in excess to the tune of Rs. 88.08 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 1988-89	Collection Excess made in 1989-90	Excess	Collection made in 1988-89	Collection made in 1989-90	Excess	Total Excess
238.25	252.32	14.07	318.06	392.07	74.01	88.08

The property taxes & octroi are the main stay of revenue of the Municipal Corporation and therefore this department has to achieve the target of collection by strenuous efforts throughout the year so that the Corporation can render Civic Services efficiently.

There was a remarkable improvement in the total tax collection including Government taxes during the year under report in as much as the department brought Rs. 279.76 Crores as against Rs. 261.82 Crores during the pervious year.

The total demend of Municipal Property Taxes, including water charges & Wheel Tax was Rs. 471.82 Crores. Whereas the total outstanding which includes arrears of past and previous years was Rs. 220.31 crores. These arrears includes 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 reason shown in the Appendix VIII.

The Rateable Value of Railway properties upto 31.3.87 been finalised and finalization of R. V. for 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 have paid Rs. 2.04 crores during the year 1989-90.

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

As regard the assessment of State & Central Govt. 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 and Central Govts. in Greater Bombay, has taken up the matter in hand and the same is in progress.

Building Repair Cess :-

Repair Cess amounting to Rs. 14.51 Crores was collected during the year 1989-90.

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

Under the aforesaid Act effective from 1-4-1974 the State Govt. has levied retrospectively a tax on residential presmises having floorage of more than 125 Sq. Mts. and the reteable value whereof being more than Rs. 1500/- at the rate of 10% of the rateable value per year. The work of levy and recovery of this tax is entrusted to Assassment & Collection Department. Maharashtra Tax on Buildings (with Larger Residential Premises) Cell collected Rs. 0.88 Crores during the year 1989-90.

Octroi :-

In the year 1989-90 the rates of octroi falling under entries 11, 12, 13, 38, 47, 48, 53, 55(b) and 55(c) were increased with effect from 1.6.89.

The amount of octroi (including Miscellaneous Receipts) during the year 1989-90 was Rs. 392.07 crores as againts Rs. 319.15 crs. collected during the year 1988-89. This shows the increase of Rs. 72.92 crores in octroi (including Miscellaneous Receipts) collection in the year 1989-90 as compared to the collection in the year 1989-90.

Figures in Crores.

	1987-88	1988-89	1989-90	Increase Decrease
1) Collection of Octroi	270.31	318.06 (Rs. 319.15 incldiung Miseellaneous Receipts.)	386.16 (Rs. 386.16 including Miscellaneous Receipts).	+ 68.10 (Rs. 72.92 inclusive of Miscellaneous Receipts.)
2) Less Refunds	14.38	20.51 (Rs. 22.56 as refund on export of goods and excess & wrong recovery)	17.88 (Rs. 24.15 as refund on export of goods and excess & wrong recovery)	- 2.63 (Rs. 1.59 accounting refund on export of goods and excess & wrong recovery).
3) Net Revenue	255.93	297.55 (Rs. 296.59 taking into account refunds allowed on export of goods & excess and wrong recovery).	368.28 (Rs. 367.92 taking into refund allowed export of goods & excess and wrong recovery).	+ 70.73 (+ 71.33 accounting refund on export of goods & excess and wrong recovery).
4) Fees for stamping	0.0004	0.00006	0.00006	—
5) Fees in respect of refund	2.05	3.15	2.79	- 0.36
6) Departmental Collection	196.42	237.71	306.17	+ 68.46

56,456 claims for refund of octroi on goods exported out of Bombay were received during the year 1989-90 as compared to 56,260 claims received in the year 1988-89.

ELECTION

During the year under report, the Election Branch was functioning subject to general control of Assessor & Collector under Election Officer Shri K. G. Rahalkar who had been redesignsted as "Officer on Special Duty (Election)" with effect from 1.8.1989, as his services were engaged on contracts basis on his retirement from Municipal Service from 1.8.1989.

The tiny cell of the Municipal Election Branch on ground floor of the Municipal Head Office Building continued to function as before. The election rolls prepared for holding Municipal General Elections/Bye-elections from time to time, were made available for inspection on payment of scheduled fees to those who desired. Extracts from Election Rolls were provided on payments of scheduled charges to the applicants, if desired.

The Municipal General Elections were earlier due in the month of January-March 1990. A temporary Election Department started functioning from 10.4.1989 for making preparations for the said general elections.

As per Maharashtra Act No. XI of 1990, published in Maharashtra Govt. Gazette dated 24.4.1990 the term of the Councillors of the Municipal Corporation of Greater Bombay was extended upto 15.11.90. The General Elections were, therefore, postponed till October-November 1990. The temporary full-fledged election department was discontinued by retrenching and repatriating the members of the staff with a view to restoring the department in due course.

Assessment & Collection Department Statement for the year 1989-1990

Sr. No.	Designation	Name of the Officer	Qualification	Period from	Period To	Remarks
1.	2.	3.	4.	5.		6.
1.	Assessor & Collector	Shri N. M. Salunke	B. A. (Spl.)	1-4-89	31-3-90	
2.	Dy. Assessor & Collector (Octroi)	Shri H. M. Shah	B.A. (Spl.) L.L.B.	1-4-89	31-3-90	
3.	Dy. Assessor & Collector (City)	Shri K. G. Rahalkar	B.A.L.S.G.D., L.G.S.	1-4-89	31-5-89	Transforred to Election Deptt. from 1-6-89 Retired from Municipa Service with effect fro 1-8-89 (B.O.N.)
				1-6-89	3011-89	Vacant.
		Shri B. V. Korgaonkar	S.S.C.	1-12-89	26-1-90	Transferred to Octroi (E.E.H.) from 27-1-90
		Shri V. N. Shanbhag	B.A. (Spl.), L.G.S.	27-1-90	31-3-90	
4.	Dy. Assessor & Collectr (W. Subs.)	Shri B. K. Joshi	B.Com., L.S.G.D., L.G.S.	1-4-89	31-3-90	
5.	Dy. Assessor & Collector (E. Subs.)	Shri P. D. Patkar	S.S.C.	1.4.1989	31.12.89	Retired from Municipal Service with effect form 1-1-90 (B.O.H.)
		Shri. J, R. Chokshi	S.S.C.	1-1-90	4-3-90	Expired on 5-3-90.
				5-3-90	31-3-90	Vacant.
				1-4-89	30-11-89	Vacant
6.	Dy. Assessor & Collector (Computer)	Shri J. R. Chokshi	S.S.C.	1.12.89	31.12-89	Transferred to E. sub from 1-1-90
				1-1-90	26-1-90	Vacant.
		Shri P. M. Pem	S.S.C.	27-1-90	31-3-90	
7.	Dy. Assessor & Collector (Octroi)	Shri M.B. Raje	B.A. (Spl.)	1.4.89	31.12.89	Retired from Municipal Service with effect from 1-1-90 (B.O.H.)
				1-1-90	26-1-90	Vanant.
		Shri S. M. Damle	B.A. (Spl.), L.S.G.D.	27-1-90	31-3-90	
8.	Dy. Assessor & Collector (Vigilance)	Shri A. U. Sayani	M. A.	1.4.89	31.3-90	
9.	Dy. Assessor & Collector (Octroi Refund)	Shri P. M. Kajrolkar	B. A.	1-4-89	31-3-90	–
10.	Dy. Assessor & Collector (Octroi) (Dahisar Check Post)	Shri G. G. Jadhav	B. A. (Spl.), L.L.M., L.S.G.D.	1.4.89	31-3-90	
11.	Dy. Assessor & Collector (Octroi) (L.B.S. Marg)	Shri P. M. Pem.	S.S.C.	1.4.89	26-1-90	Transferred to computer from 27-1-90
		Shri P. B. Janwalkar	B. Com./L.L.B.	27-1-90	31-3-90	
12.	Dy. Assessor & Collector (Octroi) (B.P.H.)	Shri L. B. Kadam	B. A. (Spl.)	1.4.89	31.3.90	–
13.	Dy. Assessor & Collector (Octroi) (E.E.H.)	Shri P. B. Janwalkar	B. Com./L.L.B.	1.4.89	26-1-90	Transferred to Octroi (L.B.S. Marg) from 27-1-90
		Shri B. V. Korgaonkar	S.S.C.	27-1-90	31-3-90	

APPENDIX-I.

(1989-90)

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 & Subs.
	R	N. R.	
2) Water Tax	9	15	-"-
3) Water Benefit Tax	6	10	-"-
4) Sewerage Tax	5	8	-"-
5) Sewerage Benefit Tax	4	6	-"-
6) Education Cess	0.50		for R. V. between Re. 1/- & Rs. 74/-
	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.
7) Tree Cess	0.50		In the areas of City & Subs.
8) State Education Cess Slabs of Annual leetting value	In respect of land & buildings used or intended to be used for residential purpose.		In respect of lands & buildings used or indended to be used for non-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. 3,000/-	4.00		8.00
5) Rs. 3000/- or more but less than Rs. 6,000/-	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 range between Rs. 3.00 & Rs. 150.00 per 10,000 lit. according to the uses of property.		
10) Sewerage Charges in case of properties metered or sewered :-	50% of the amount of water charges billed where properties are sewered.		
11) Employment Guarantee Cess :-	At 1/4 the rate at which the state Education Cess is levied on non-residential portion of land or buildings.		

APPENDIX-II

Statement showing the position of properties during the year 1989-90.

Properties.	City	Western Subs.	Eastern Subs.	Total
1) Prioertues as on 31.3.1990.	57,885	1,03,293	63,176	2,24,356
2) Properties Exempted from General Tax.	3,704	1,422	768	5,894
3) Properties Newly assessed	276	1,186	870	2,132
4) Properties Enlarged.	977	1,088	919	2,984
5) Properties Demolished.	538	521	194	1,253

APPENDIX-III.

Statement of Rateable Value as on 31.3.90 Rates of R. V. per head etc.

	City.	Western Subs.	Eastern Subs.	Total
1) Rateable Value	Rs. 141,89,79,538/-	Rs. 144,99,16,850/-	Rs. 54,90,86,710/-	Rs. 341,79,83,098/-
2) Population (Census 1981)	32,85,040	28,58,152	21,00,443	82,43,635
3) Rate per head of population.	431.95	507.29	261.41	414.62
4) No. of complaints against R. V.	1221	2619	1445	5285
5) Percentage of reduction in R. V.	25.01%	17.80%	20.75%	22.64%
6) No. of appeals received against R. V.	341	1249	182	1772
7) No. of appeals pending against R. V.	310	1230	162	1702

APPENDIX - IV

Statement showing comparitive position of Demand, Collection & Outstanding of Municipal property Taxes (Including water charges, sewerage charges, water tax, water benefit tax, sewerage tax, sewerage benefit tax and wheel tax).

(Rs. In Crores)

Nature of Tax	Year	Total Net Demand	Collection	Percentage of Collection To net demand	Outstanding	Percentage of Outstanding To net Demand.
Property Tax						
City	1987-88	150.23	88.29	58.77%	61.94	41.23%
Western Sub.	-"-	114.11	64.63	56.64%	49.48	43.36%
Eastern Sub.	-"-	82.99	53.54	64.51%	29.45	35.49%
City	1988-89	177.74	99.11	55.76%	78.63	44.24%
Western Sub.	-"-	136.37	74.08	54.32%	62.29	45.68%
Eastern Sub.	-"-	98.15	62.21	63.38%	35.94	36.62%
City	1989-90	192.96	105.76	54.81%	87.20	45.19%
Western Sub.	-"-	151.00	81.65	54.07%	69.35	45.93%
Eastern Sub.	-"-	104.67	62.39	59.61%	42.28	40.39%
Wheel Tax						
City	1987-88	10.90	1.95	17.89%	8.95	82.11%
Western Sub.	-"-	4.88	0.64	13.11%	4.24	86.89%
Eastern Sub.	-"-	3.33	0.34	10.21%	2.99	89.79%
City	1988-89	11.94	1.60	13.40%	10.34	86.60%
Western Sub.	-"-	5.63	0.60	10.66%	5.03	89.34%
Eastern Sub.	-"-	3.74	0.31	8.29%	3.43	91.71%
City	1989-90	13.47	1.70	12.62%	11.77	87.38%
Western Sub.	-"-	6.44	0.58	9.01%	5.86	90.99%
Eastern Sub.	-"-	4.27	0.42	9.84%	3.85	90.16%

	City (Rs.)	Western Sub (Rs.)	Eastern Sub. (Rs.)	Total (Rs.)
Miscelleneous Receipts 1989-90				
1) Notices Fee	1,57,552	2,45,063	1,09,410	5,12,025
2) Warrant Cost	23,861	31,285	11,485	66,631
3) Penalty	14,94,343	9,16,798	4,29,077	28,40,218
Amount of General tax Exempted	1,23,67,882	59,10,933	64,66,827	2,47,45,642

APPENDIX - V

1. Statement showing total Demand, Collection & Outstanding of Municipal Property Taxes, during 1989-90 (Municipal Property taxes including water tax, water benefit tax, sewerage tax, sewerage benefit tax but excluding water charges, sewerage charges).

Period	Outstanding as on 1.4.89	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	Outstanding as on 31.3.90	Percentage of Collectionto Net demand
Div.-I City										
Upto 1987-88	3,076.85	372.85	3,449.70	419.78	3,029.92	–	–	3466.59	2,563.33	15.40%
1988-89	1,863.74	315.78	2,179.52	382.06	1,797.46	–	–	4406.25	1,391.21	22.60%
1989-90	–	7,804.15	7,804.15	980.03	6,824.12	–	–	4,757	2,066.76	69.71%
Total	4,940.59	8,492.78	13,433.37	1,781.87	11,651.50	–	–	5840.88	7124.03	48.32%
Div. II-Western Sub.										
Upto 1987-88	2,813.20	161.30	2,974.50	233.52	2,740.98	–	–	280.80	2,460.18	10.24%
1988-89	1,728.81	321.45	2,050.25	494.50	1,555.76	–	–	603.77	951.99	38.81%
1989-90	–	7,218.50	7,218.50	937.74	6,280.76	–	–	4,386.70	1,894.06	69.84%
Total	4,542.01	7,701.25	12,243.26	1,665.76	10,577.50	–	–	5,271.27	5,306.23	49.83%
Div. III-Eastern Sub.										
Upto 1987-88	1,504.15	46.97	1,551.12	106.75	1,444.37	–	–	145.62	1,298.75	10.08%
1988-89	690.64	186.80	877.44	196.06	681.38	–	–	273.23	408.15	40.10%
1989-90	–	2,846.54	2,846.54	317.26	2,529.28	–	–	1,759.81	769.47	69.58%
Total	2,194.79	3,080.31	5,275.10	620.07	4,655.03	–	–	2,178.66	2,476.37	46.80%
GRAND TOTAL	11,677.39	19,274.34	30,951.73	4,067.70	26,884.03	–	–	13,080.13	13,803.90	48.65%

2) Water Charges by Meter Measurement Including Sewerage Charges & Meter rent

(Rs. in Lacs) (1989-90)

Period	Outstanding as on 1.4.89	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	Outstanding as on 31.3.90	Percentage of Collection to Net demand
Div-I City										
Upto 1987-88	1,626.59	137.87	1,764.46	436.64	1,327.82	–	–	205.46	1,122.36	15.47%
1988-89	1,359.67	619.75	1,979.42	276.95	1,702.47	–	–	1,023.36	679.11	60.11%
1989-90	–	4,782.91	4,782.91	168.04	4,614.87	–	–	3,717.08	897.79	80.54%
TOTAL	2,986.26	5,540.53	8,526.79	881.63	7,645.16	–	–	4,945.90	2,699.26	64..69%
Div-II Western Sub.										
Upto 1987-88	1,108.94	88.23	1,197.17	218.34	978.83	–	–	118.44	860.39	12.10%
1988-89	632.29	428.31	1,060.60	114.00	946.60	–	–	671.21	275.39	70.91%
1989-90	–	2,684.57	2,684.57	87.53	2,597.04	–	–	2,103.66	493.38	81.00%
TOTAL	1,741.23	3,201.11	4,942.34	419.87	4,322.47	–	–	2,893.31	1,629.16	63.98%
Div-III Eastern Subs.										
Upto 1987-88	783.75	67.84	851.59	52.72	798.87	–	–	81.30	717.57	10.18%
1988-89	609.85	328.18	938.03	140.65	797.38	–	–	416.83	380.55	52.27%
1989-90	–	4,311.48	4,311.48	95.34	4,216.14	–	–	3,562.13	654.01	84.49%
TOTAL	1,393.60	4,707.50	6,101.10	288.71	5,812.39	–	–	4,060.26	1,752.13	69.85%
Grand Total	6,121.09	13,449.14	19,570.23	1,590.21	17,980.02	–	–	11,899.47	6,080.55	66.18%

3) Sewerage Charges

(Rs. in lacs) — 1989-90

Period	Outstanding as on 1.4.89	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	Outstanding as on of 31.3.90	Percentage Collection to Net demand
Div-I City										
Upto 1987-88	603.43	27.11	630.54	168.18	462.36	–	–	75.55	386.81	16.34%
1988-89	532.58	197.02	729.60	115.16	614.44	–	–	319.81	294.63	52.05%
1989-90	–	1,536.36	1,536.36	49.28	1,487.08	–	–	1,149.00	338.08	77.27%
TOTAL	1,136.01	1,760.49	2,896.50	332.62	2,563.88	–	–	1,544.36	1,019.52	60.23%
Div-II Western Subs.										
Upto 1987-88	276.67	26.83	303.50	26.10	277.40	–	–	44.68	232.72	16.11%
1988-89	228.25	140.31	368.56	28.47	340.09	–	–	234.80	105.29	69.04%
1989-90	–	830.84	830.84	20.63	810.21	–	–	610.46	199.75	75.34%
TOTAL	504.92	997.98	1,502.90	75.20	1,427.70	–	–	889.94	537.76	62.33%
Div-III Eastern Subs.										
Upto 1987-88	288.11	21.31	309.42	12.57	296.85	–	–	14.32	282.53	4.82%
1988-89	288.30	102.55	390.85	38.59	352.26	–	–	127.41	224.85	36.17%
1989-90	–	966.61	966.61	29.38	937.23	–	–	634.70	302.53	67.72%
TOTAL	576.41	1,090.47	1,666.88	80.54	1,586.34	–	–	776.43	809.91	48.94%
Grand Total	2,217.34	3,848.94	6,066.28	488.36	5,577.92	–	–	3,210.73	2,367.19	57.56%

4) WHEEL TAX

(Rs. in lacs) — (1989-90)

Period	Outstanding as on 1.4.89	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	Outstanding as on of 31.3.90	Percentage Collection to Net demand
Div-I City										
Upto 1987-88	834.67	5.63	840.30	6.08	834.22	–	–	36.06	798.16	4.32%
19889	199.25	4.09	203.34	2.74	200.60	–	–	26.86	173.74	13.39%
1989-90	–	313.17	313.17	0.73	312.44	–	–	107.53	204.91	34.42%
TOTAL	1,033.92	322.89	1,356.81	9.55	1,347.26	–	–	170.45	1,176.81	12.65%
Div-II Western Subs.										
1987-88	412.71	7.00	419.71	0.98	418.73	–	–	18.88	399.85	4.51%
1988-89	91.05	3.91	94.96	0.45	94.51	–	–	11.13	83.38	11.78%
1989-90	–	131.04	131.04	0.08	130.96	–	–	28.53	102.43	21.78%
TOTAL	503.76	141.95	645.71	1.51	644.20	–	–	58.54	585.66	9.09%
Div-III Eastern Subs.										
1987-88	285.04	3.34	288.87	2.20	286.67	–	–	16.11	270.56	5.62%
1988-89	57.95	3.83	61.29	0.73	60.56	–	–	9.22	51.34	15.22%
1989-90	–	80.23	80.23	0.28	79.95	–	–	16.81	63.14	21.02%
TOTAL	342.99	87.40	430.39	3.21	427.18	–	–	42.14	385.04	9.86%
Grand Total	1,880.67	552.24	2,432.91	14.27	2,418.64	–	–	271.13	2,147.51	11.21%

5) - Water Tax

(Rs. in Lacs) (1989-90)

Period	Outstanding as on 1.4.89		Amount of bills issued during the year.		Gross Demand		Amount of bills recalled during the year		Net Demand		Less Unsettled Demand		Effective Demand		Collesction during the year		Outstanding as on 31-3-90		Percentage of collection to net demand	
	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR
Division - I : City																				
Upto 1987-88	198.00	79.57	11.60	3.97	209.60	83.54	22.92	38.25	186.68	45.29	-	-	-	-	14.75	11.79	171.93	33.93	7.90	26.03%
1988-89	43.93	130.38	20.32	17.00	64.25	147.38	6.88	49.07	55.37	98.31	-	-	-	-	13.91	25.74	41.46	72.57	25.12	26.18%
1989-90	-	-	207.53	509.67	207.53	509.67	17.08	107.99	190.45	401.68	-	-	-	-	126.11	231.05	64.34	170.63	66.22	57.52%
Total (R+NR)	241.93	209.95	239.45	530.64	481.38	740.59	46.88	195.31	432.50	545.28	-	-	-	-	154.77	268.58	277.73	276.70	35.78	49.25%
Division - II : Western Subs.																				
Upto 1987-88	80.01	0.89	0.04	-	80.05	0.89	0.43	-	79.62	0.89	-	-	-	-	0.38	0.01	79.24	0.88	0.48%	1.45%
1988-89	14.58	0.32	0.29	-	14.87	0.32	0.31	0.09	14.56	0.23	-	-	-	-	0.31	-	14.25	0.23	2.13%	-
1989-90	-	-	24.53	2.93	24.53	2.93	0.52	-	24.01	2.93	-	-	-	-	7.53	0.11	16.48	2.82	31.36%	3.75%
Total (R+NR)	94.59	1.01	24.86	2.93	119.45	3.94	1.26	0.09	118.19	3.85	-	-	-	-	8.22	0.12	109.97	3.73	6.95%	3.12%
Division - III : Eastern subs.																				
Upto 1987-88	25.48	0.51	0.07	0.15	25.55	0.66	0.08	0.10	25.47	0.56	-	-	-	-	0.70	0.06	24.77	0.50	2.75%	10.71%
1988-89	2.51	1.27	1.53	0.04	4.04	1.31	0.40	0.12	3.64	1.19	-	-	-	-	2.37	0.03	1.27	1.16	65.11%	2.52%
1989-90	-	-	22.31	1.34	22.31	1.34	0.29	0.30	22.02	1.04	-	-	-	-	20.09	0.50	1.93	0.54	91.23%	48.08%
Total (R+NR)	27.99	1.78	23.91	1.53	51.90	3.31	0.77	0.52	51.13	2.79	-	-	-	-	23.16	0.59	27.97	2.20	45.30%	21.15%
Grand Total (R+NR)	364.51	212.74	288.22	535.10	652.73	747.84	500.91	195.92	601.82	551.92	-	-	-	-	186.15	269.29	415.67	282.63	30.93%	48.79%

6) Water Benefit Tax.

(Rs. in lacs.) (1989-90)

Period	Outstanding as on 1.4.89		Amount of bills issued during the year.		Gross Demand		Amount of bills recalled during the year		Net Demand		Less Unsettled Demand		Effective Demand		Collesction during the year		Outstanding as on 31-3-90		Percentage of collection to net demand	
	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR
Division-I : City																				
Upto 1987-88	284.84	205.05	21.06	19.48	305.90	224.53	25.47	27.88	280.43	196.65	-	-	-	-	30.47	118.67	249.96	177.98	10.86%	9.49%
1988-89	57.17	246.89	20.72	36.79	77.89	283.48	6.64	55.42	71.25	228.06	-	-	-	-	20.34	44.02	50.91	184.04	28.55%	19.30%
1989-90	-	-	331.55	1017.83	331.55	1017.83	19.75	142.04	311.80	875.79	-	-	-	-	256.40	547.97	55.40	327.82	82.23%	62.57%
Total	342.01	451.74	373.33	1074.10	715.34	1525.84	51.86	225.34	663.48	1300.50	-	-	-	-	307.21	610.66	356.27	689.84	46.30%	46.95%
Division-II Western Subs.																				
Upto 1987-88	369.18	143.03	9.19	8.16	378.37	151.19	20.68	14.93	357.69	136.26	-	-	-	-	28.26	6.59	329.43	129.67	7.90%	4.84%
1988-89	96.70	190.26	31.24	22.05	127.94	212.31	34.38	38.99	93.56	173.32	-	-	-	-	59.10	33.70	34.46	139.62	63.17%	19.44%
1989-90	-	-	635.40	533.73	635.40	533.73	71.64	76.25	563.76	457.48	-	-	-	-	480.82	302.57	138.35	224.82	77.65%	58.14%
Total	465.88	333.29	675.83	563.94	1141.71	897.23	126.70	130.17	1015.01	767.06	-	-	-	-	424.35	306.26	502.66	460.80	50.48%	39.93%
Division - III Eastern Subs.																				
Upto 1987-88	158.05	40.09	4.02	5.33	162.07	45.41	11.08	7.97	150.99	37.44	-	-	-	-	17.12	7.37	133.87	30.07	11.34%	19.68%
1988-89	28.95	85.23	10.34	21.26	40.29	106.49	8.49	24.37	31.80	82.12	-	-	-	-	21.23	25.67	10.57	56.45	66.78%	31.26%
1989-90	-	-	185.90	290.66	185.90	290.66	14.70	37.97	171.20	252.69	-	-	-	-	139.04	161.35	32.16	91.34	81.21%	63.85%
Total	186.00	125.31	200.25	317.25	388.26	442.56	34.27	70.31	353.99	372.25	-	-	-	-	177.39	194.39	176.60	177.86	50.11%	52.22%
Grand Total	995.89	910.34	1249.42	1955.29	2245.31	2865.63	212.83	425.82	2032.46	2439.81	-	-	-	-	908.95	1111.31	1035.53	1328.50	48.05%	45.55%

7) Sewerage Tax

(Rs. in lacs) (1989-90)

Period	Outstanding as on 1.4.89		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 31-3-90		Percentage of collection to net demand	
	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR
Div I : City																				
Upto 1987-88	222.81	41.63	55.26	53.97	278.07	45.60	28.84	20.80	249.43	24.80	-	-	-	-	62.82	7.10	186.61	17.70	25.18%	28.63%
1988-89	51.28	55.57	11.41	8.79	62.69	64.36	5.12	23.69	57.57	40.67	-	-	-	-	13.10	16.58	44.47	24.09	22.75%	40.77%
1989-90	-	-	112.55	271.17	112.55	271.17	9.31	55.22	103.24	212.95	-	-	-	-	70.19	131.26	33.05	81.69	67.99%	61.64%
Total	274.09	97.20	179.22	283.93	453.31	381.13	43.07	102.71	410.24	278.42	-	-	-	-	146.11	154.94	264.13	123.48	35.61%	55.65%
Div II : Western Subs.																				
Upto 1987-88	297.79	105.46	25.23	2.90	323.02	108.36	24.88	12.13	298.14	96.23	-	-	-	-	38.16	4.24	259.98	91.99	12.80%	4.41%
1988-89	92.38	157.02	14.60	11.75	106.98	168.77	37.13	44.81	69.85	124.16	-	-	-	-	27.11	14.57	42.74	109.59	38.81%	11.73%
1989-90	-	-	288.17	270.70	288.17	270.70	48.01	54.60	240.16	216.10	-	-	-	-	142.78	66.70	97.38	149.40	59.45%	30.86%
Total	390.17	262.48	328.00	285.35	718.17	547.83	110.02	111.34	608.15	436.49	-	-	-	-	208.05	85.51	400.10	350.98	34.21%	19.59%
Div III : Eastern Subs.																				
Upto 1987-88	147.37	27.62	3.38	2.95	150.75	30.57	8.97	5.50	141.78	25.07	-	-	-	-	11.14	4.32	130.64	20.75	7.86%	17.23%
1988-89	34.16	72.37	7.77	15.09	41.93	87.46	8.00	23.84	33.93	63.62	-	-	-	-	11.79	12.18	22.14	51.44	34.75%	19.14%
1989-90	-	-	104.48	183.68	104.48	183.68	11.72	31.55	92.76	152.82					74.94	89.58	193.53	151.24	27.91%	37.20%
Total	181.53	99.99	115.63	201.72	297.16	301.71	28.69	60.89	268.47	240.82	-	-	-	-	429.10	330.03	857.76	625.70	33.34%	34.53%
Grand Total	845.79	459.67	622.85	771.00	1468.64	1230.67	181.78	274.94	1286.86	955.73	-	-	-	-						

8) Sewerge Benefit Tax.

(Rs. in lacs.) (1989-90)

Period	Outstanding as on 1.4.89		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 31-3-90		Percentage of collection to net demand	
	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR
Div. I : City.																				
Upto 1987-88	189.49	122.54	14.02	12.98	203.51	135.52	16.59	23.61	186.92	111.91	-	-	-	-	22.18	12.72	164.74	99.19	11.87%	11.37%
1988-89	73.21	160.57	11.73	20.09	84.94	180.66	4.56	32.39	80.38	148.27	-	-	-	-	13.59	28.55	66.79	119.72	16.91%	19.25%
1989-90	-	-	218.98	611.56	218.98	611.56	13.48	85.51	205.50	526.05	-	-	-	-	166.91	344.39	38.59	181.66	81.22%	65.47%
Total :-	262.70	283.11	244.73	644.63	507.43	927.74	34.63	141.51	472.80	786.23	-	-	-	-	202.68	385.66	270.12	400.57	42.87%	49.05%
Div. II : Western Subs.																				
Upto 1987-88	277.21	86.38	5.98	4.51	283.19	90.89	13.86	9.23	269.33	81.66	-	-	-	-	19.56	4.12	249.77	77.54	7.26%	5.04%
1988-89	117.64	111.46	18.65	12.78	136.29	124.24	21.49	24.42	114.80	99.82	-	-	-	-	38.26	20.27	76.54	79.55	33.33%	20.31%
1989-90	-	-	422.57	320.32	422.57	320.32	47.31	45.53	375.26	274.89	-	-	-	-	275.12	171.34	100.14	103.35	73.31%	62.37%
Total :-	394.85	197.84	447.20	337.61	842.02	535.45	82.66	79.28	759.39	456.17	-	-	-	-	332.94	195.73	426.45	260.44	43.84%	42.91%
Div. III : Eastern Subs.																				
Upto 1987-88	97.78	18.66	2.53	3.04	100.31	21.70	5.87	5.46	94.44	16.24	-	-	-	-	9.40	5.50	85.04	10.74	9.95%	33.87%
1988-89	19.97	51.83	7.41	12.84	27.38	64.67	6.11	14.63	21.27	50.04	-	-	-	-	13.77	16.19	7.50	33.85	64.74%	32.35%
1989-90	-	-	123.59	174.96	123.59	174.96	9.80	23.81	113.79	151.15	-	-	-	-	90.62	95.84	23.17	55.31	79.64%	63.41%
Total :-	117.75	70.49	133.53	190.84	251.28	261.33	21.78	43.90	229.50	217.43	-	-	-	-	131.79	117.53	115.71	99.90	49.58%	54.05%
Grand Total :-	775.30	551.44	825.46	1173.08	1600.76	1724.52	139.07	264.69	1461.69	1459.83	-	-	-	-	649.41	698.92	812.28	760.91	44.43%	47.88%

9) TREE CESS

(Rs. In Lacs) — (1989-90)

Period	Outstanding as on 1.4.89	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	Outstanding as on of 31.3.90	Percentage Collection to Net demand
Div. I City										
Upto 1987-88	-	-	-	-	-	-	-	-	-	—
1988-89	43.83	3.02	46.85	3.57	43.28	-	-	4.52	38.76	10.44%
1989-90	-	77.68	77.68	8.85	68.83	-	-	49.28	19.55	71.60%
Total	43.83	80.70	124.53	12.42	112.11	-	-	53.80	58.31	47.99%
Div. II Western Subs.										
Upto 1987-88	-	-	-	-	-	-	-	-	-	—
1988-89	19.08	4.01	23.09	5.70	17.39	-	-	6.51	10.88	37.43%
1989-90	-	79.50	79.50	10.17	69.33	-	-	48.16	21.17	69.46%
Total	19.08	83.51	102.59	15.87	86.72	-	-	54.67	32.05	63.04%
Div. III Eastern Subs.										
Upto 1987-88	-	-	-	-	-	-	-	-	-	—
1988-89	7.29	2.61	9.90	2.44	7.46	-	-	3.20	4.26	42.89%
1989-90	-	30.08	30.08	3.98	26.10	-	-	18.09	8.01	69.31%
Total	7.29	32.69	39.98	6.42	33.56	-	-	21.29	12.27	63.44%
Grand Total	70.20	196.90	267.10	34.71	232.39	-	-	129.76	102.63	55.84%

APPENDIX VI

Statement showing total Demand, Collection and Outstanding of Government Taxes and Cess during 1989-90

1) State Education Cess (Rs. in lacs)

Period	Outstanding as on 1.4.89	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	Outstanding as on of 31.3.90	Percentage Collection to Net demand
Div. I City										
Upto and 1987-88	684.08	55.27	739.35	96.11	643.24	-	-	76.74	566.50	11.93%
1988-89	412.28	65.72	478.00	80.36	397.64	-	-	77.86	319.78	19.58%
1989-90	-	1485.33	1485.33	193.56	1291.77	-	-	851.97	439.80	65.95%
Total	1096	1606.32	2702.68	370.03	2332.65	-	-	1006.57	1326.08	43.15%
Div. II Western Subs.										
Upto and 1987-88	545.48	23.99	569.47	46.82	522.65	-	-	32.38	490.27	6.19%
1988-89	267.44	57.82	325.26	83.40	241.86	-	-	94.54	147.32	39.09%
1989-90	-	1221.54	1221.54	163.99	1057.55	-	-	699.74	357 81	66.17%
Total	812.92	1303.35	2116.27	294.21	1822.06	-	-	826.66	995.40	45.37%
Div. III Eastern Subs.										
Upto and 1987-88	270.72	12.77	283.49	26.92	256.57	-	-	30.64	225.93	11.94%
1988-89	119.19	35.96	155.15	37.92	117.23	-	-	50.69	66.54	43.24%
1989-90	-	514.07	514.07	64.31	449.76	-	-	313.66	136.10	69.74%
Total	389.91	562.80	952.71	129.15	823.56	-	-	394.99	428.57	47.96%
Grand Total	2299.19	3472.47	5771.66	793.39	4978.27	-	-	2228.22	2750.05	44.76%

2) Urban Immovable Property Tax (Rs in lacs) (1989-90)

Upto and 1962-63										
City	0.16	-	0.16	-	0.16	-	-		0.16	-
Western Subs	1.18	-	1.18	-	1.18	-	-	0.01	1.17	0.85%
Eastern Subs.	1.05	-	1.05	-	1.05	-	-	0.01	1.04	0.95%
Grand Total	2.39	-	2.39	-	2.39	-	-	0.02	2.37	0.84%

3) Employment Guarantee Cess (Rs. in lacs.) (1989-90)

Div. I : City.										
Upto 1987-88	229.97	14.10	244.07	23.24	220.83	-	-	19.52	201.31	8.84%
1988-89	75.55	14.95	90.50	16.58	73.92	-	-	16.91	57.01	22.88%
1989-90	-	310.19	310.19	43.65	266.54	-	-	177.04	89.50	66.42%
Total :-	305.52	339.24	644.76	83.47	561.29	-	-	213.47	347.82	38.03%
Div. II Western Subs.										
Upto 1987-88	141.66	4.73	146.39	8.73	137.66	-	-	3.91	133.75	2.84%
1988-89	53.61	7.75	61.38	12.89	48.47	-	-	10.57	37.90	21.81%
1989-90	-	161.42	161.42	23.71	137.71	-	-	81.53	56.18	59.20%
Total :-	195.27	173.90	369.17	45.33	323.84	-	-	96.01	227.83	29.65%

Period	Outstanding as on 1.4.89	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	Outstanding as on of 31.3.90	Percentage Collection to Net demand
Div. III : Eastern Subs.										
Upto 1987-88	56.02	2.92	58.94	6.08	52.86	-	-	6.01	46.85	11.37%
1988-89	21.74	8.54	30.28	9.73	20.55	-	-	9.65	10.90	46.96%
1989-90	-	88.54	88.54	13.84	74.70	-	-	49.49	25.21	66.25%
Total :-	77.76	100.00	177.76	29.65	148.14	-	-	65.15	82.96	43.99%
Grand Total:-	578.55	613.14	1191.69	158.45	1033.24	-	-	374.63	658.61	36.26%
4) Additional State Education Cess (Rs. in lacs.) (1989-90)										
Upto 1973-74										
City	2.05	-	2.05	-	2.05	-	-	-	2.05	-
Western Subs.	2.81	-	2.81	-	2.81	-	-	0.01	2.80	0.35%
Eastern Suburbs.	2.42	-	2.42	-	2.42	-	-	0.01	2.41	0.41%
Total :-	7.28	-	7.28	-	7.28	-	-	0.02	7.26	0.27%
5) Repairs & Reconstruction Cess. (Rs. in lacs.) (1989-90)										
Past & Previous Year Upto 1.4.1989.										
A	2660.22	203.87	2864.09	177.09	2687.00	-	-	506.46	2180.54	18.85%
B	187.60	6.83	194.43	3.40	191.03	-	-	43.71	147.32	22.88%
C	275.33	11.14	286.47	11.76	274.71	-	-	34.61	240.10	12.60%
Total	3123.15	221.84	3344.99	192.25	3152.74	-	-	584.78	2567.96	18.55%
Current Year 1990-91										
A	-	1891.26	1891.26	189.27	1701.99	-	-	739.19	962.80	43.43%
B	-	121.22	121.22	9.54	111.68	-	-	51.34	60.34	45.97%
C	-	156.57	156.57	13.68	142.89	-	-	75.42	67.47	52.78%
Total	-	2169.05	2169.05	212.49	1956.56	-	-	865.95	1090.61	44.26%
Grand Total	3123.15	2390.89	5514.04	404.74	5109.30	-	-	1450.73	3658.57	28.39%

APPENDIX : VII

BILLS ISSUED DURING THE YEAR 1989-90.

	CITY		WESTERN SUB.		EASTERN SUB.		GRAND TOTAL	
	Past and Previous year No. of bills	Current year No. of bills	Past and previous year No. of bills	Current year No. of bills	Past and previous year No. of bills	Current year NO. of bills	Past and previous year No. of bills	Current year No. of Bills
Property Taxes :-	2,087	1,81,887	8,223	2,08,849	2,286	1,27,233	12,596	4,54,969
Water Charges by meter measurement including Meter Hire :-	16,416	74,839	48,965	1,60,117	20,677	79,921	86,058	33,14,877
Wheel Tax :-	13,668	2,78,178	18,504	1,38,619	8,519	82,745	40,691	4,99,542

APPENDIX VIII

Break-up of locked up outstanding of Municipal Taxes and Charges as on 31.3.90 (Rs. in lacs)

	Divisions	City	W.S	E. S.	Total
1)	Amount involved in writ petitions, appeals etc. (C. T./E. C./G budget taxes)	7.90	13.57	2.11	23.58
2)	Amount involved in complaints against R. V.	36.69	12.64	2.95	52.28
3)	Amount involved in unauthorised structures. (G. T./E. C./G budget taxes)	0.92	9.82	8.85	19.59
4)	Taxes due from other Deptt. pending adjustment	2.00	0.99	0.47	3.46
5)	Property Taxes due from Govt., B. P. T., RAilways.	3.30	5.30	0.21	8.81
6)	Water charges being amount of monthly and quarterly issue of disputes regarding rates and consumption thereof	12.43	9.56	6.03	18.02
7)	Attachment cases under process	2.82	2.59	1.98	7.39
8)	Instalment allowed	0.95	0.37	0.36	1.68
9)	Property and Wheel Tax disputes	8.39	6.10	4.53	19.02
10)	Bills issued at tag and of the year	5.38	6.56	3.33	15.27
11)	Arrears of textile Mills and N. T. C.	2.95	-	0.12	3.07
12)	Disputes of under consumption bills (Water charges)	1.46	0.48	0.26	2.20
13)	Court cases of water charges disputes	3.37	0.48	3.06	6.91
14)	Official Liquidator	0.87	0.07	0.10	1.04
15)	Recoverable as on 31.3.90	9.57	6.84	11.78	27.99
16)	Total balances as on 31.3.90	99.00	75.17	46.14	220.31

1) The matters are pending before the court and recovery would be effected as and when appeals and petitions are before the courts are disposed off.

2) Complaints are pending & the payment can be demanded after disposal of complaints against Rateable Value.

3) Since the numbering of hutments recovery has received set back & the arrears have mounted up. The position may improve only when question is finally settled & compensation recovered from hutment wellers is made available.

4) Amount awaits adjustment.

5) Payment was not received from Govt. Deptts. The Railways have made 'on account' payment of Rs. 38 lacs during 1990-91. The question of assessment of railway properties from 1.4.87 is under process.

6) Water Meters often go out of order & require repairs & testing. Dispute on account of high consumption, wrong rates etc. require varification, sanction etc. at different levels.

7) Properties have been attached & steps have 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 & Mills under N. T. C. do not pay the bills in time due to financial crises. Many Mills are declared Sick Mills. Disconnection of water supply though possible as per rules, is not enforced as it would affect production & increase unemployment.

12) Provisions of Rule 111 (d) (i) of water charges rules are struck down by High Court.

13) Recovery can be effected on disposal of suits.

14) Recovery is possible subject to availability of funds with official liquidator.

APPENDIX - IX

A) Cinema Theatres & Tax.

	No. of Theatres Class I	No. of Theatres Class II	Total No. of Theatres.	Collection during 1988-89	Collection during 1989-90.
City	79	1	80	17,01,073/-	16,02,232/-
Western Subs.	39	-	39	10,15,134/-	9,69,069/-
Eastern Subs.	25	-	25	6,09,664/-	5,96,750/-
TOTAL :-	143	1	144	33,25,871/-	31,68,051/-

(B) Veicles & Animals taxed under Public Conveyance Act.

a) Hack Victorias (2 horses each) = 6

b) Labour Carts (With pair of bullocks) = 165

c) Hand Carts = 11,975

Vehicles & Animals taxed during the year 1989-90.

Vehicles or Animals taxed during the year.	No.	Vehivles or Animals taxed during the year.	No.
1) Motor Cycle solo	2,06,659	12) Passenger Buses	2,344
2) Motor Cycle with side car	4,060	13) Ambulance	239
3) Trade certificates	36	14) Others	-
4) Motor Lorries	27,943	15) Four Wheeled Vehicles drawn by animals.	6
5) Delivery Vans	18,586	16) TWo Wheeled Vehicles DRawn by animals.	165
6) Trailors	706	17) Hand Carts	11,975
7) Tankers	1,157	18) Horses	16
8) Cranes	639	19) Ponies	74
9) Motor Tractors	365	20) Bullock Carts	632
10) Motor Cars	2,26,773	21) Auto Rickshaws	36,551
11) Taxies	33,034	TOTAL :-	5,71,960

EDUCATION DEPARTMENT

Administrative Report for the Year 1989-90

Under Section 61 (q) of Bombay Municipal Corporation Act, it is incumbertion to the Corporation to provide Primary Educaation 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 Bombay Municipal Corporation right from 1907.

In addition to the primary education, the Corporation also run a few Secondary Schools since 1965 Just to give a helping hand to the State Government.

The entire supervision and administration of Education Department was carried out by the Education Officer. Shri Deorao Uddhavrao Dandwate M.Sc. (Chem) Ist/M.Ed. (Ist class) from 4/2/1989 as the Head of the Department with assistance of Officers on academic side as well as the Administrative staff.

Name & Qualifications of the Head of the Department who held the Post during the year 1989-90 i.e. from 1.4.89 to 31.3.90

Sr. No.	Name of the Officer	Designation	Qualification	Period from to	Remarks
1.	Shri Deorao Uddhavrao Dandwate	Education Officer	M.Sc. Chem. (Ist) M.Ed. (Ist)	4.2.89 to till to-day	Appointed as Education Officer as recommended by M.P.S.C. w.e. from 4.2.89 vide their letter u/no. BN-19(a)/(5)/118/ IV of 1.7.87 and BN 19 (a)/(5) 118/IV C. R. No. 1048 15.2.88

SCHOOL PREMISES :

In order to meet the every 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 :-

Sr. No.		As on 31st March-1989 No. of School Premises	As on 31st March-1990. No. of School Premises
1)	Municipal Owned	382	395
2)	Rented Buildings	270	285
3)	Rent Free	23	21
4)	W.O. (Estate)	34	36
	Total	**709**	**737**

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

Teachers:

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

Private Primary Schools :

In addition to our own Municipal Schools, the department controls Private Primary Schools by

way of giving them recognition and grant-in-aid. The number of students in private primary schools is also increasing.

Special Education :

In addition to 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 centres	No. of children	No. of teachers
Marathi Hindi Gujarati English	15	650	46

Information regarding Junior Colleges of Education :

In addition to the Primary Schools the department conducts two Junior Colleges of Education for Urdu teaching, one-each for Males and Females at Mahim and Imamwada respectively.

Sr. No.	Name of the College	No. of students	Ist Year D. Ed.	IInd Year D.Ed.	Teaching staff
1.	2.	3.	4.	5.	6.
1.	Municipal Urdu Trs Jr. College of Education.	81	41	40	1. Principal - 1 2. Full Time Instructors - 4 3. Physical Part Time Instructors - 1 4. Special Trs. for drawing, music, craft & Marathi etc. - 4
2.	Junior college of Education Imamwada	233	116	117	1. Principal - 1 2. Full Time Instructors - 14 3. Special Trs. Part Time for Physical Education and Marathi etc. - 2 4. Special Part Time Trs. for Teachers for teaching Special subject viz writing experience Music & Drawing - 3

Name of the Section.	Activity	Name of the participants /Beneficiaries.	Name of the Section.	Activity	Name of the participants/ Beneficiaries
1.	2.	3.	4.	5.	6.
Senior Supervisor Physical Instruction	Physical Training Institute	Teachers completed the training in batches from June to March.	Bal Bhavan Cetres	Programme :- Organising different games, handicarafts, drawing, painting, dramatic elevation, etc. and other programmes at all centres after school hours.	45 centres 1780 participants.
	Drill competitions	10,164 Students			
	Game competitions	6,028 Students			
	Annual sports	98,256 Students	Audio Visual Section.	Schools	460
	Sprots for mentally retarded children	273 Students		No. of film shows	1593
				No. of students benefitted	2,25,750
	Mass Drill	25,000 Students	Teaching Training (T. A. C.)	Teaching Aid Centre for Inservice Teachers	1 Centre 300
	Wrestlingg competitions	1,114 Students			
	R. S. P. Units	Old Units - 70) 4,800 New Units - 30)		Teaching aid centre at Hindu Colony, Dadar-	1,000
	A Camp was conducted, Training was given with the help of police personnel.	Instructors - 70 Teachers - 100 Students - 400		Printing Section of Teaching Aid Centre printed 'PRAGATI' magazine & different invitation cards, for all activities of the department for its programmes & different types of forms.	5,00,000
Scout/Guide activities		Cub Masters - 142			
		Cubs - 2,840			
		Scout Masters - 124			
		Scouts - 2,976			
		Flock Leaders - 111			
		Bulbuls - 2,220			
		Guide Captains - 110			
		Guides - 2,640			
	Monsoon hike	70 Teachers/33 Officers			
	Revision course	Officers - 22			
	Patrol Ldr. TRg. Camp	1218 S/G & Teachers			
	Cub/Bulbul excursion	1276 S/G & Teachers			
	Patrol Hike	1000 S/G & Teachers			
	Judges Trg.Camp	116 Trs. & Officers incharges			
	Social Service Project	863 Students, Teachers & Officers			
	Scout/Guide Festival	1430 - do -			
	S/G Sports & Rallies	3500			
	25th President's Relly S/G/ Rally	17 including teachers			

Research Unit and Statistical Section :

(A) Detailed reports about the following activities were prepared :

1) School Library Students Project
2) The drop-outs during 1988-89
3) Attendence in Minority Schools
4) Middle School/High School Scholarship Exams-1988.
5) Achievement of Municipal School
5) S.S.C. Exam. 1989 March-Achievement of Municipal Schools.

(B) Observation reports of the following activities were prepared and forwarded :

1) Inservice Training Classes of teachers for Sanskrit.
2) Summer Classes
3) Children Learing Interest (Reading) Project.
4) Parisar Asha Project.
5) Key School Projects.
6) Special Classes for English/Mathematics for the students in std. X.

(C) **Reruitment Test :**

The test of 1100 teachers was undertaken, results prepared after checking the answer sheets and forwarded to E. O.

(D) The Floowing circulars were prepared by Unit :

1) Regarding remarks in the visit books of the schools.
2) Regarding keeping notes by the Class teachers about their observations and teaching.
3) Regarding maintaining detailed records about the attendance of the pupils by class-teachers.
4) Regarding recording attendance registers, Monthly Charts etc.
5) Survey of non-attending children in this age-group of 6 to 11 years.
6) Action Research Project reports competitions.

(E) Workshop organized by UNICEF/B.M.C. "Education for all".

(F) **Material Production :**

1) Evaluation Plan for the whole year as per New Education Policy and New Syllabus for std. I.
2) New pattern of the progress reports.
3) A brouchure containing information about the whole Deptt.
4) The cards to be sent by the H.M. to the parents whose wards do not attend the schools regularly.

(G) a) Up-to-date statistical information was colleced, summarised and kept ready with regards the various aspect of the department and educational process.

b) Statistical information was provided as and when required by Govt. of Maharashtra, various bodies of the Corporation, various private agencies and individuals.

c) Prepared year Book of the Education Department.

d) Yearly Administration Report of the Education Department.

e) Mayor Folder.

f) Information for civic Diary was propared

Language Development Project :

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

Department of English :
Teacher-Training :

1) A Correspondence-cum-Contact Course in English was conducted for 365 teachers. 280 teachers appeared for the final examination.

2) Teacher training was organized with the help of fifteen officers who have been trained at H. M. Patel Institute at Vallabh Vidya Nagar, Anand. About one hundred teachers were trained by the Inspectors at these centres and appeared for the final examination.

3) Full-day one-month Intensive course in English have been started from 18th Sept. 1989. Viewing of films and video films, listening to the audio active course of English, practising conversational English etc. are included in this course. In addition to regular lectures in Grammer, Methodology and Spoken English, audio visual experience are given to the teacher trainees. Demonstrational lessons are given by the trainee teachers. 240 teachers appeared for the final examination upto March, 1990.

4) A workshop on "Educational Journalism" in collboration with N.C.E.R.T. was organized and about 35 teachers and officers participated in the workshop.

5) The Project "Language Development through Drama Techniques" was in progress in the English lar guage. It was being conducted by Mrs Nawaz Hilloowala at Vileparle (W) Municipal Secondary School. As result of this project, 14 students appeared for the "Spoken English" Examination conducted by the Trinity College of London and passed.

6) Summer Vacation classes were conducted by members of the English department at Vileparle (W) Municipal Secondary School and follow-up work was also taken up.

7) Visits are paid to salected schools in order to check the class-room performance of L.D.P. trained teachers, the results were comparatively good

8) Mrs. Rosalyn Hurst and Mr. Fred Chambers from England visited the L.D.P. and some Municipal Schools to Study the impact of the L.D.P. in municipal Schools.

9) At the request of the following Jr. Colleges of Education and schools, the L.D.P. conducted half-day orientation programmes.

1) R. C. Mahim Urdu College	40 Trs.
2) Vanita Vishram Gujarati	40 Trs.
3) Anjuman Islam, Mahim	40 Trs.
4) Diamond Jubilee High School	40 Trs.

10) Support material for the use treachers and officers was prepared and distributed to them e.g. a small booket on "Convergational English", Units of simplified and revised grammer, an audio tape of std. V peoms and assignments for Spoken English.

11) All sort of help was given for the course in English, conducted for teachers at R. C. Mahim Junior College of Education.

Total No. of teachers & students trained in English

		Teachers	Students
1)	Correspondence-cum-Contact Course in English 1988-89	365	-
2)	Intensive Course in English (1st Sept. 1989 - 30 March 1990)	240	

	Teachers	Students
3) Intensive Course in English for S.S.C. students during vacation.	-	230
4) Training for students going to Japan	-	4
5) Part-time orientation to Trs.	200	-
6) Trinity College Spoken English classes.	-	14
	805	248

Marathi

Teacher-Training :

1) Marathi was taught to about 250 non-Marathi Municipal teachers at nine centres. Certificates were distributed to 225 successful teachers by Shri D. U. Dandwate, Education Officer. This year 135 non-Marathi teachers registered for the course out of which 134 appeared for examination on 17th March, 1990.

2) Eocution competitions were held at all the Marathi centres for non-Marathi teachers and prizes were given to the first two teachers in all the centres.

3) A five-day workshop on activities for the development of dramatic skills was conducted by Smt. Deepa Lagu, Smt. Meena Naik and Smt. Ratna Pathak Shah. About 35 teachers attended this workshop.

4) A five-day workshop on the oblique froms in Marathi was held during summer vacation for 10 non-Marathi teachers.

5) A literary programme was arranged at Birla Kreeda Kendra and the wellknown Marathi writer Shri S. N. Naware delivered a lecture on the "Moderntrends in prose in Marathi Literature". Another literary programme was arranged in collaboration with S.N.D.T. University and the wellknown post Shri Mangesh Padgaonkar gave a demonstration on poetry reading by reciting his own poems. About 600 teachers and officers attended each programme.

5) A demonstration-cum-lecture by noted musician Shri Bal Deshpande on the subject of "Music teaching in std. II" was organised for Marathi teachers of std. I at Dadar Hindu Colony. About 350 teachers attended this lecture-demonstration.

7) A three-day workshop for the prepartion of scholarship material, for teachers taking scholarship classes was organized at Shahaji Raje Marathi School. The material prepared by the teachers is being printed for distribution to various classes.

8) The follwing projects are being taken in Municipal Primary schools and regular weekly visits are paid by the Language Development Project Staff.

1) Colaba Marathi Primary School.
   Project of communicative skills.
2) Adarsh Nagar Worli Municipal School.
   "Supplementary Reading"
3) Kanjur Marg Municipal School
   Language games in std. I

9) Support material for using the new Balbharati introduced this year was prepared and orientation programme in two Marathi divisions on the treaching of language in std. I were organized. About 60 teachers participated in these workshops. Four workshops on "Writing Skill" for teachers were arranged at divisional level.

10) Regular guidance visits were being paid to Erangal Secondary School and students who were weak in Marathi, studying in std. IV and X and were given intensive coaching in Marathi.

The total number of teachers & students trained

	Teachers	Marathi
a) Non-Marathi teachers	134	-
b) Literary programmes :		
Shri S. N. Naware	625	-
Shri Mangesh Padgaonkar	630	-
Shri Bal Deshpande	315	-
c) Project Schools		
Colaba Marathi	10	253
Kanjur Marg Marathi	2	101
Adarsh Marg Marathi	2	120
Erangal prim. & Sec. School	-	29
d) Workshops -		
1) for the teachers teaching std. I-	153	-
2) for the teachers teaching std. IV	77	-
	1948	503

Hindi

1) A lecture by Dr. Chandrakant Bandiwadekar, Head of Hindi Department, Bombay University was arranged for Hindi teachers at Birla Kreeda Kendra. About 500 teachers attended this programme.

2) Essays were written by about 100 Hindi teachers and the same were corrected and analysed by the project staff. A workshop on spelling was arranged in Dadar Woollen Mill Lane Hindi school and the mistakes committed by the teachers were analysed by the resource persons.

3) Material for the scholarship examination for std. IV and VII was prepared, cyclostyled and distributed to various Hindi schools.

4) Support material for the newly introduced textbook of std. I (Balbharati) - I) was prepared by the project staff and workshops for teachers of std. I were organised. About 60 teachers were guided in the use of the new text-book.

5) Study classes were conducted at Lower level Hindi and composite Hindi in different Secondary Schools.

6) Material for S.S.C. students of Higher level Hindi was prepared and distributed in the schools.

7) A two day workshop was conducted by Dr. A. P. Singh on the basis of material prepared by him on 'Hindi Grammer' for Secondary teachers at Dadar Woollen Mill Lane. About 50 teachers participated in the workshop.

8) Shri G. P. Joshi, a noted Hindi expert is appinted to guide about 150 S.S.C. students in lower level Hindi at three centres.

Urdu

1) Workshops in Urdu script writing were conducted at the following Urdu schools for teachers teaching in std. I to IV.

1) Andhreri Cama Road Mun. Urdu School.
2) Umar Rajjab Raod Mun. Urdu School
3) Moreshwar Patankar Marg. Muni. Urdu School
4) Imamwada Muni. Urdu School. About 170 teachers participated in this programme.

2) An Urdu litearary programme was organised in the Hall of Umar Rajjab Road Urdu School for teacher of Std. V to VII. The fomous Urdu humorist Shri Yusuf Nazim was invited as a resource person. All Urdu Officers and about 180 teachers attended the programme.

3) A four day workshop on the preparation of material for scholarship examination in Urdu was organised at the project centre and 24 teachers were guided by the resource persons.

4) A similar workshop was organised for teachers on scholarship examination for std. VII.

5) A literary programme was organised at Birla Kreeda Kendra and the famous writer Smt. Salma Siddiqui was invited to give a lecture on "Image of Women in Urdu Literature" About 400 teachers and all Urdu Officers attended the programme.

6) At the request of Superintendents for Urdu Schools, two workshops were organised for the guidance about scholarship examination for Urdu trechers, taking scholarship classes.

7) Students in the lower classes were exposed to different kinds of language games for the development of the communicative skills in two experimental schools.

8) Four workshops for teachers of std. I were organised in different beats and support material prepared by the L.D.P. was given to them. About 240 teachers attended these workshops.

9) Exercises based on Balbharati book 4 were prepared and cyclolestyled material was distributed in the schools.

Gujarati

1) An audio visual show on the life and works of the late post Shri Umashankar Joshi was organised at Birla Kreeda Kendra, for Gujarati teachers, Students for Gujarati Municipal Project Schools recited the poems written by Shri Umashankar Joshi. About 400 Gujarati teachers and 100 teacher-trainees from colleges of Education attended the programme.

2) The project on "Language Development through dramatic techniques" was continued in Nityanand Marg Gujarati School and about 25 students of std. III were coached by noted film artist Ratna Pathak Shah.

3) Two sessions of the follow-up work of the Secondary School students was done at Borivli Secondary School.

4) A worksheet for the evaluation of reading skill of students of std. III to VI was prepared and distributed in six experimental schools and the teachers were guided in the use of these sheets.

5) An evaluation workshop in connection with the newly introduced language textbook for std. I was organised at the project centre and members of the textbook committee and Beat Officers of Gujarati schools participated in the discussion.

6) Supplementary material in the form of charts, reading cards, stories etc. was prepared for all Gujarati beats for students of std. I. Guidance workshop for the teachers of std. I were held at the following centres and about 300 teachers attended these workshops :

1) Nanachowk Municipal School
2) Sodawala Lane Borivli Municipal School
3) Shahaji Raje school, Vileparle (East)

7) A lecture on the "Summer-Hill School" was organised at Santacruz Municipal School. The noted educationist Dr. Rasik Shah gave the lecture on the subject. About 400 teachers and Officers attended the programme.

8) Guidance workshop for the prepation of material for the scholarship examination of std IV to VII was organised at the project centre and resource persons were invited to guide the teachers and officers.

9) Guidance was given to Gujarati teachers in their seminars on "Continuous evaluation" and "environmental study" at divisional level.

Production of material Booklets cyclostyled

English	5
Marathi	3
Gujarati	-
Hindi	1
Urdu	1

Scholership material was prepared in Hindi, Gujarati and Urdu. Printed scholarship material in Marathi was given to all Marathi schools.

Language	Video cassettes	Audio cassettes
Marathi	1	2
English	1	2
Urdu	-	1
Hindi	-	1
Sanskrit	-	2

No. of teachers and students trained through various programmes in the monther-tongue department

Programmes	Gujarati	Urdu	Hindi
Lietrary Programmes	1400	510	400
Workshops for std. I teachers	300	1 0	80
Workshops for scholarship exam.	40	110	100
Other workshops	20	70	-

Students

Programmes	Gujarati	Urdu	Hindi
S.S.C. Classes	80	-	-
Creative dramatics techniques	25	-	-
Project Schools	60	80	40

Visits or the Language Developments Project Staff

1) Shri Anil Joshi, Lanugage Training Officer in Gujarati attended the International Boets' Conference in Bhopal.

2) Smt. L. T. Dhawan, A.O.,L.D.P. was invited to review the Marathi text-book for std. II and III proposed to be introduced from the year 1990 by Maharashtra State Text-book Bureau, Pune.

3) Shri Islam Siddiqui of the Urdu department was invited to review the Urd Text-book for std. III by Maharashtra State-Text Book Bureau, Pune.

4) Smt. Panna Adhvaryu was invited to give two demonstration lectures by the All India Association of Educational Technology at their state level conference at Kolhapur.

5) Smt. Panna Adhvaryu is co-opted as a member on the board of studies in education by the Universty of Bombay.

6) Smt. Panna Adhvaryu, was invited to a conference at the H. M. Patel Institute at Vallabh Vidya Nagar, Anand, to discuss the status of English in the next decade.

7) Mrs. L. T. Dhawan was deputed to the International Conference for Marathi and she also distributed the Marathi material prepared by L.D.P. to various representatives from foreign countries.

MUSIC WING

EDUCATIONAL & OTHER ACTIVITIES

1. Training Classes in Music
   (a) About 900 Subject Trs Were Trained in music, dance and drama in (7) sessions.
   (b) 25 days Special Trg. classes for Music Trs.
2. Arranged six Lecture-cum-demonstrations in Vocal, dance, drama and instrumental Music, About 270 Music Trs. and others took part in it.
3. Training to Music Trs. of 5 Music Centres conducted every month end.
4. 7 Gunvikas Music and Dance Centre were conducted at different places. About 180 students have taken benefit of the same.
5. Monthly meetings of Music Centre incharge Teachers. and their Assistant Trs.
6. Special Training in Sanskrit Songs and Group singing to 198 Music Teachers.
7. Music composed for Sanskrit Poems and recording of the same.

MUSIC ACTIVITIES

1. Vocal, Instructional and dance competitions was organised. About 6145 Students, 1050 schools and 130 Music Trs. participated in it.
2. Bhakti Sangeet Programme was Organised on a/c of Ashadhi Ekadashi. About 360 Music Trs. and Subject Trs. & others participated.
3. International Music day and Music week was organised. About 460 Music Trs, 37 students & other music, dance & drama participated daily for seven days.
4. 16 Students apeared for Govt. Music Exams. at Gandharva Maha Vidyalaya Mandal's Centres.
5. 17 Students were selected by the Selection Committee for scholarship in Vocal, Instrumental, Dance and Dram for the year 1990.
6. Felicatation functions were organised for National Award winners in the field of Music, Dance and Drama.
7. Re-recording on 90 Spool Tapes and 180 Cassettes have been cmpleted.
8. Vice Principal (Music) with one Music Instructors represented the All India Music Teachers conference held at Kanpur on behalf of Education Department.
9. 3 Music Teachers were sent to attend workshop organised by the Maharashtra state Government of Pune.

SINGING OF VANDE MATARAM

1.	19.4.89	Inauguration 11 Music Trs. of Sanskrit Book - I
2.	1.5.89	Maharashtra Day 15 Music Trs
3.	7.7.89	Shiv Jayanti 17 Music Trs.
4.	25.5.89	Inauguration 21 Music Trs.
5.	18.6.89	Tree Plantation by Mayor 5 Music Trs
6.	13.9.89	Inauguration of Pragati Magazine 5 Music Trs
7.	1.1.90	Recording of Sanskrit Book-II 15 Music Trs.
8.	2.1.90	Inauguration of Sanskrit Book-II 15 Music Trs.
9.	26.1.90	Children's Rally (25000 children) 86 Music Trs.
10.	8.2.90	Endowment fund collection Programme
11.	5.3.90	Green & Clean Bombay Prize distribution 14 Music Trs.
12.	10.3.90	Listening Programme of Spools & Cassettes. 66 Music Trs.

ART WINGS

EDUCATIONA & OTHER ACTIVITIES

1. **Seminor & Gathering** 3/4 1 day
   250 Art Teachers

2. Subject : New Education Policy
   Guest : Prof. D. R. Parulaker
   Cultural Programme of 50 Art Teachers.

2. **National and International Child Art Comnetition**

	Parrticipants
I) Indo-Japan Competition -	120 Students
II) All India Camlia -	100 Students prizes to 20 students.
III) Tara Interprise Co. -	1st prize got to stuents of Chandanwadi School.
IV) World Wild Fund for Nature India.	10 students
V) Shankar on the spot painting.	5 students
Vi) Fire Service day painting	15 Students
VII) Mumbai Sakal Competition -	150 students
VIII) Soviyat Land Nehru Prizes - Delhi.	3 Students.
IX) "Shramik Vidyapeeth" Poster Competition. Javahar Balchitrekala	5 students. 10,000 students 4 shields Prizes about Rs. 25,000/- win by students.
IXI) Child Art Competitions of Muni. School Children	21,000 participants

Prizes of Rs. 15,000/- distributed
Participant Trs - 300 nos.
Winner Guide Trs. 20 nos.

3. **Competitions. Exhibitions. Functions**
   4 Exhibitions of 1000 pictures of students.

ART ACTIVITIES

1. **Art Exhibition on a/c of Music Week and International Music day**

   85 pictures on Music "Rangadarshan"
   Participant Art Teachers - 300
   Open for public for 8 days.

2. **"Rengoli Exhibition"**
   83 Rangoli from Municipal Staff

   Open for Public for 8 days.

3. **Picture Circulating Library**

   A Library is maintained for 30 pictures of 30 drawing Teachers. he same pictures are exhibited at Hospitals and important places and offices of Municipal Corporation. The picture will be exchanded after every 4 months.

4. **Parisar Sajawat**
   1500 sq. ft. Parisar of Hindu Colony School Bldg. decorated by 15 students, 10 Art Teachers and 4 Instructors.

   Guests : Wellknown Artists & Officers.

5. **Endowment Scholarship**
   From 1989, the endowment fund scholarship is started for talented students in Art. About 17 students are granted sholarship of Rs. 1200/- each for 3 years.

6. Felicitation accorded to the receipants of National Honorars for the year 1989-90 in the Field of Music, Drama, Dance--Stage decoration of Function.

7. **Photography Competition :**
   Open Photography Competition is held in April'90 at Birla Kreeda Kandra. 53 Artists are participated. A Exhibition of 234 Photographers, Open for public for 8 days.

8. **V.D.O. Cassettes**
   Video Cassettes of all activities were prepared and the same were showed to 200 Art Teachers.

9. **Syllabus of Endowrent Fund Scholarship :**
   Prepared for students who have selected for scholarship in Art.

EDUCATIONA & OTHER ACTIVITIES

4. Inservice Training Classes

Primary Teachers	850 nos.
Art Teahcers	25 nos.
Trs. who has given spl. Pay	30 nos.
Guide Trs. of Gunvikar Centres.	6 nos. (1 day in month)
Kendrapramukh - Upkendrapramukh	18 nos. (2 days in a month)
Gunkikas Centres 6 nos. -	250 students.
Month - end centres 6 nos. -	315 Trs.
Lecture-cum-demonstation	2 nos. 300 Trs.

ART ACTIVITIES

10. Conference on New Education Policy

A conference is conducted at C.T.I. for 65 Art Trs.

11. Other Activities :

i) Art Galary of Birla Kreeda Kendra - Planning of same.
ii) Portrate Painting - Proposal of painting of wellknown
iii) Artists in the field of Music & Art to be exh exhibite at Birla Kreeda Kendra.
iv) Selection & help for Ganesh Gaurao Puraskar.
v) Folders, Banners, Stage Decoration cover pages, drawing, Drawing, Invitition etc, Work at the time of various functions of A. M. A.

School Health Service

During the year. 3,00,727 childern were examined in 1,234 primary Municipal Shools. 25,714 children were examined in 49 secondary Schools. 2,87,823 (Primary) 22,614 (Secondary) children were found Defective. Totall defects noted among the children were 6,37,216 (primary) and 42,832 (Secondary) 14,782 cases were treated at the Mun. General Dispansary 1,53,966 (New & Old) cases were treated at th shool Clinics.

20,581 children were referred to the out patients Department of Mun. Hospital for expert opinion. 323 tonsils operations were performed at the school clinics. 961 childern were supplied with spectacles, 16 children were supplied with callipiors, 2 children were supplied with hearing aids. 782 cases of Leprosy and 856 cases of Tuberculosis were detected during the year.

Total number of students examined was 3.25.441 in 1989-90 & the parcentage of children suffering from different diseases in shown below.

Major Defects	Percentage
Dental defects	67.18%
Lymphadenopathy	34.07%
Malnourishment	27.07%
Vitamin Deficiencies	7.86%
Nose defects	13.67%
Throat defects	12.01%
Ear Defects	6.87%
Skin Defects	6.42%
Eye (External diseases)	2.03%
Eye (Refractive diseases)	3.04%
Orthopaedic defects	3.65%
Lung defects	1.27%
Heart & circulation	0.36%
Mental defects	0.57%
Speech defects	0.45%
Splenomagaly	0.02%
Anammia	3.31%
other diseases	2.83%

Health education was imparted to about 72,864. Parents & Teachers & children 15,586 domiciliary visits and revisits were paid. Health Parade Health Ministry & Health Trophy Competitions were arranged in schools in B, D, F/N, P/S, P/N, S and T Wards.

Immunization work done as under :

Diptheria and Tetanus	1,04,444
T.T.	1,68704

Report on Medical Inspection & Immunization in Special Municipal Schools for Mentally Retarded Children :

15 such schools were covered during the year 443 children (245 Boys & 198 Girls) were examined. 443 children were found defective (100%)

Total no. of defects defected was 1470 (3.32 defects per defective child).

The percentage of children suffering from the different diseases in shown below :

Major Defects	Percentage
Dontal defects	76.52%
Lymphadenopathy	20.32%

Major Defects	Percentage.
Malnourishment	20.99%
Vitamin Deficiencies	8.80%
Nose defects	11.51%
Throat defects	10.16%
Ear Defects	9.93%
Skin Defects	813%
Eye (External diseases)	11.51%
Eye (Refractive diseases)	4.06%
Orthopaedic defects	11.29%
Lung defects	0.68%
Heart & circulation	1.12%
Mental defects	100%
Speech defects	16.03%
Splenomagaly	-------
Anammia	2.93%
other diseases	5.86%

19 Childern were refrred to nearby Municipal Dispensaries for treatment of minor ailments. 53 children were referred to the school clinics for investigations and treatment of more mjor ailments. 31 children were immunized against Distheria and Tetanus with D. J. Vaccine.

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 Medidine	T. N. M. College
3. L.T.M.G. College	15 schools
4. K.E.M. Hospital	14 schools
5. Mobile Health Unit, Parel	82 schools

Their reports are not included in this reports.

Key School Project :

There is a key school centre in almost all the Divisions. According to the test and aptitutde of the pupils, different courses are prescribed for the pupils and training is being given by the Expert teachers with the help of concerned Superintendents., Beat Officers and Head teachers usually in the field of Language, Mathematics, Science, Music, instrument Music, drawing, etc.

Municipal Primary Schools Telented Children Development Fund

The Municipal Corporation have already established an Endowment Fund Known as "Municipal Primary Schools Talented children Development Fund" with a view to help the talented students of Municipal Primary schools to get the opportunity for development of their potential talents in the field of Music, Art, Drawing, Sports etc.

These potentials among such students are required to be recognised and opportunitites are to be made available to them to seek extra training and guidance from the experts in these fields. The Education department of the Bombay Municipal Corporation tries to help such students to the maximum extent possible, however the expertise guidance and follow-up in this direction requires individual attention and extra financial allocation. This fund has been established by the Bombay Municipal Corporation in the year 1985 and a fund of Rs. 5/- lakhs was collected through publishing advertisements in the souvenir. Talented students in the field of Music, Art, Drawing, Sports etc. are selected by the Selection Committee consisting of eminent experts in these fileds. The selected student is given Rs. 1200/- each as a scholarship for continuation for further advance learning in the particular field in which he is selected. Out of the interest income of the fund these scholarships are awarded to the

talented students. In the year 1989, 20 such students have been awarded scholarships where as in the year 1990, 36 students have been awarded these scholarships. To enlarge this fund to be able to give assistance to large number of students an appeal was made to the philathropist of the city of Bombay to donate generously towards this fund by inserting an advertisement in the souvenir during 1989-90.

There was an over-whelming response from the generous citizens of Bomby and about 6 lakhs of repees have been collected for this fund. This year the total amount of fund including the interst and Municipal Corporation's special contribution as at present is Rs. 16,47,751/-. The souvenir was published on 8th February 1990 at Shamukhanand Sabhagriha at the hands of Shri Ram Joshi former Vice Chancellor of Bombay University. Many eminent personlities in the field of art and music were present on this occasion.

Constant efforts will be made by he Education department of Bombay Municipal Corporation to enlarge this fund in time to came and to bring the benefit of this fund to the maximum number of talented students in Municipal Schools.

School Social Service Project :

Under the Education Department, social Development Officers are working through the school social service project centres. In this project, 20 school social project centres are working, 150 schools and about 1,00,000 pupiss are beneficiaries.

1) About 546 students have taken benefit through 18 non-formal classes.

2) For Non-Formal Education, one Workshop has been arranged and B.Os., Head teachers, A.Os. (schools) and Social Development officers of concerned are taken benefit of the workshop.

Teacher's Library :

1) Educations Department of Municipal Corporation of Greater Bombay, has 4 Libraries running for the benefit of treachers and Employees under Budget 'E'.

2) **Collection of Books :**

Sr.	Name of the Library	Books as on 31.3.89	Aided during 1989-90	Total
1.	Gilder Tank ...	56988	3690	60678
2.	Hindu Colony ...	4463	1175	5638
3.	Santacruz ...	19477	2922	22399
4.	Ghatkopar ...	11855	1416	13271
	Total Books ...	92783	9203	101986

3) **Membership:**

Sr.	Name of the Library	Previous member as on 31.3.89	New enrolled 1989-90	Total
1.	Gilder Tank ...	8080	1606	9686
2.	Hindu Colony ...	108	1047	1155
3.	Santacruz ...	2763	2680	5443
4.	Ghatkopar ...	1508	1912	3420
	Total Books ...	12,459	7,245	10,704

4) **Circulation :**

During the year 1989-90, 47019 books were issued from the above 4 Libraries and 35654 books have been received back. The total circulation of books stood 82673.

Municipal Free Reading Rooms and Libraries :

The Corporation has provided its description reading rooms and Libraries to cater the needs of citizens. 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 from 1st March, 1987 the Centre department of Chief Librarian, brought under the control of Education Officer and kept under supervision of Librarian, Municipal Teacher's Library. There are 31 Municipal Free reading rooms and Libraries. 3 more Libraries opened during 1987-88., that brings total strength of the Municipal Reading Room and Libraries to 34. Out of which 29 Libraries handed over to Mumbai Marathi Granth Sangrahalaya for Management.

Balkotsav :

As usual, Balkotsav, Cultural Programmes, Dramatic competitions and flok dance etc. were arranged and 27,900 students, 2,670 teachers participated which were enjoyed by 45,500 parents..

School Feeding Programme:

Under the School Feeding Programme of the Education Department of Brihanmumbai Mahangarpalika during the year 1989-90. Snanks in the form of Special Sweet Sliced breads with 4% soyabean flour and usal in the form of sprouted seed grain (i.e. chana, vatana, chavali, matki, sheera, upama, rajgira laddooes, etc.) were supplied to be Municipal School children in std I to IV.

Special Sweet Sliced breads prepared by the M/s. Modern Food Industries (I) Ltd. and M/s. Shah & Bactor Sons were supplied to 4,55,000 children of subs area and 90,000 students of city area from std I to IV in about 1200 Municipal Schools..

The P.S.M. Department of Nair, Sion and K.E.M. Hospitals have prepared and supplied snacks in the from of usal, khichadi, sheera to about 18,000/- children from 20 Municipal Schools in slums. Besides eleven registered womens organizations have also prepared and supplied snacks in the form of usal of sproued seed grains, Rajgira Laddoos and sheera, etc. to about 25,000 chidren from 99 schools. About 1700 shool children is distant shools such as Tansa, Vaitarna, Dharmangaon, Manori & Gorai were also supplied snacks by preparing the food articles in the school premises.

Inservice Training Programme :

Inservice Training Centre has carried out the following activties in the year 1989-90. A separate report of the activities will be sent by Sangit Kala Academy.

1. Inservice Training Course for Inspector (Schools) :

A seven days Inservice Training Course was conducted at C.T.I.&R.C., Borivli, for Inspectors (Schools). About 46 Inspectors were benefitted.

Another 7 days Inservice Training Course mainly for newly appointed Inspectors (Schools) was prepared in the month of March and April 1990. But due to some reason, it had to be postponed and the same will be conducted in the Academic Year 1990-91.

2. Inservice Training Classes for class-teachers:

As per Annual Programme, 4 Inservice Traning classes of 25 days each for the treachers of std. I to IV were conducted. Two classes of 25 days each for the teacher of std. I only were conducted to intoruduce new syllabus of std. I.

3. Seminar on New Syllabus and New Text-books of std. I :

This seminar was organised on 26th and 27th June, 1989 for all Officers, Community Delopment Officers and Physical Instructors in the Education Department. Experts for Text Book Burean and N.C.E.R.T. were invited for guidance. About 200 Officers of all cadres attended the seminor.

4. Inservice Training Course for Head teachers & Dy. H. Trs :

5 courses of 7 days each were conducted at C.T.I.&R.C. About 250 Head teachers and Deputy Head teachers were benefitted.

5. Sanstrit Training Classes :

Total 90 classes of 3 days each were organised on three centres at Hindu colony, Ghatkopar and Andheri. 60 classes of std. V to VII were arranged and about 9000 teachers in Marathi side given training.

A Proposal for training in Sanskrit for the primary teachers in Hindi and Gujarati Section is also prepared and sent for approval. The training programme on the same lime as for Marathi teachers will carried on in the Academic Year 1990-91.

6. A Workshop in New Sallabus in Mathematics for Primary schools :

A three days workshop on New syllabus in Mathematics for Primary schools was organised on 5th, 6th and 7th December, 1989 for Inspector (schools). Some renowned persons like Dr. Bhagwat from Homi Bhabha Institute of Science, Shri Madhukar Phadke from Maharashtra Gani Adhyapak Mandal and wellknown Mathemtician and author of many text-books in Methematics-Shri M. L. Vaidya were invited as Experts.

Shri R. D. Chikane and Shri V. G. Pande from State Institute of Science Education were present as Expert-leturess. About 40 Inspectors schools, some A.Os. (Schools) and some Superintendents were present for the workshop.

7. A Workshop for Hindi Creft Teachers :

5 classes of 2 days each in ORIGAMY were organised between 4th December 1989 to 19th December, 1989 for Head Hindi Craft teachres. One of the members of work Experience Syllabus Committee - Smt. Katawala assisted her 208 Handicraft teachers got the benefit of the workshop.

8. Sanskrit Book Publication:

The first Sanskrit book publication cermony was organised on 19.4.1989 at Birla Kreeda Kendra, Sanskrit Subhashit Sumanaha Book I was published at the hands of Municipal Commissioner Shri. S. S. Tinaikar.

The second Sanskrit Book publication ceremony was organised on 2.1.1990 at Hindu Colony, Dadar, Sanskrit Subhashit Sumanaha Book-II was published at the hands of Dr. Somaiya.

9. Training Course in Sewing for Handicraft teachers :

According to new syllabus prilminary cutting, stitching, sewing and knitting is to be introduced in the primary level as the part of work experience and as such sufficient knowledge of cutting, stitching sewing and knitting is necessary to the teachers. Education department had good number of craft teachers. With a view to use these Craft teachers as sewing teachers two training classes of 10 days each were conducted at Hindu Colony between 19.3.90 and 20.4.90 and necessary knowledge with practicals and demonstration was imparted in the class. About 70 craft teachers were trained in these training classes.

10. Special Classes for Music & Art teachers :

A 10 days Special Class for Music teachers and 25 days Special class for Art teachers were conducted in the month of March and April, 90. About 60 teachers were benefitted by these classes.

In addition to these activities Music, Art, Academy Physical Education Section and Teaching Aid Centre have prepared monthwise syllabus of Music, Art, Physical Education and Work Experience.

Sangit Kala Academy, Physical Education Section and Teaching Aid Centre have their teaching Aid Centre have their teaching staff. I.T.C. has no such teaching staff. Though I.T.C. has no teaching staff, A.O.(S) I.T.C. has successfully carried out all activities and programmes required for Education department or as ordered by Education Officer.

Free Distribution of Text-Books and Slates :

The Municipal Corporation has spent Rs. 46,39,236/- towards distribution of free text-books to the students of Municipal Primary Schools studying in std I to VII.

Summer Classes :

Total number of classes opened in March, 1989 onwards 1979 and the total number of clases was 107 where in 4353 newly entrants were involved.

Teachers Seminars :

he performance report of teachers and Head teachers held annually for all the language schools on topics of educational importance. The teachers seminars are held by the Superintendent's divisionwise.

Objectives of Seminars :

1) To improve the professional competency of the teachers by making aware of latest techniques and trends in education.

2) To help the teachers to come together and have a free exchange of views on educational topics and thus inculcate as spirit of helathy competition.

3) To make available the knowledge of experts in field of education by inviting them as resource persons.

Sr. No.	Language	Total Seminars	Total partici-pants	Total Resource persons.
1)	Marathi ...	17	4235	30
2)	Hindi ...	5	850	6
3)	Urdu ...	5	1475	22
4)	Gujarati ...	8	500	12
5)	S.I. & E. P. Sindhi	8	670	15

Elocution Competition :

Elocution competitions were conducted at Beat level in 3 groups.

1) Std II & III Story Telling
2) Std IV to VII subject given by Supd. & B.Os.
3) Std V to VII Eextempo elocution competition (subject given on the spot)

Prizes in each competitions are given to first five member children.

Handwritting Competitions :

Handwritting competitions was held for std. II & IV. Prize & Certificate is given one students of each division of std II to IV.

Competition of Children's Magazine :

In this year Children Magazine Competitions for pupil studying in std. IV to VII to VII in Marathi, Hindi, Gujarati, Urdu and South Indian Schools are held.

The Selection Committee has selected five Best magazines of each division. Total 55 Best magazines were selected for prizes. Addl. Municipal Commissioner Shri Girish Gokhale has distributed the prizes and inaugurated the exhibition of magazines.

Scholarship Workshop :

1) Preliminary Workshop for all language teachers was arranged by each Superintendent in the month of July/August 1989. The participants were guided on the teaching of appearing for Middle School Scholorships/and High School Scholarships.

2) A test was arranged on 11th April 1990 for publis appearing for scholarship Exam. The papers were printed/cyclostyled and properly distribued. The test was supervised by the best Inspectors.

3) A workshop for teachers preparing publis for scholarship exams. was arranged at Shahaji Raje Municipal School, Vileparle in which about 250 teachers partilpated. 8 experts, well-known in the fields guided the participants. This was arranged on 9th and 10th April 1990.

4) Books to teachers preparing pupils for Scholarship Exams. were supplied to each class during this year.

5) 27246 pupils appeared for the Examination.

Science Exhibition :

Education Department has started the competition in Science exhibit with objective to develop the concept since in school children and to develop ability of creativity and analysing object and preparation of Science exhibits in term of educational output for competition.

There were two groups (1) for std Ist to std-IV and (2) 2nd for std Vth to VIIth in Primary Schools.

The competitions were also held for the children in Secondary Schools.

Shri Joshi, D.M.C. (Z-III) has inaugurated the exhibition and Shri Gokhale, Addl. M.C. has distributed the prizes to prize winners.

The Science exhibition project was one of the best activity in Education department of Brihan Mumbai Mahanagarpalika in the month of February 1990.

Secondary Education :

The Municipal Corporation of Greater Bombay has undertaken the activity of Secondary Education since 1965.

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

No. of Secondary School	51
No. of Divisions	1,617
No. of Students	78,186
No. of Teachers	2,615

Different Activities :

To improve the S.S.C. result additional study classes were conducted for students in std Xth. The Question Papers in various languages were prepard to circulate to the schools for the benefit of S.S.C. students.

1) Special Coaching Classes & Extra Classes were conducted for the students in S.S.C.

2) Special Coaching Schemes were conducted in Diwali Vacation.

3) Municipal Secondary Schools were adopted by various Officers of the Education Department. to improve the result.

4) Students of S.S.C. classes were adopted by individual teachers of the schools, specially looked after these students.

5) Talented S.S.C. students were given special guidance from eminent Educationist from outside Agencies with help of L.D.P. Section.

Result of S.S.C. Examination of Municipal Secondary Schools is as follows :-

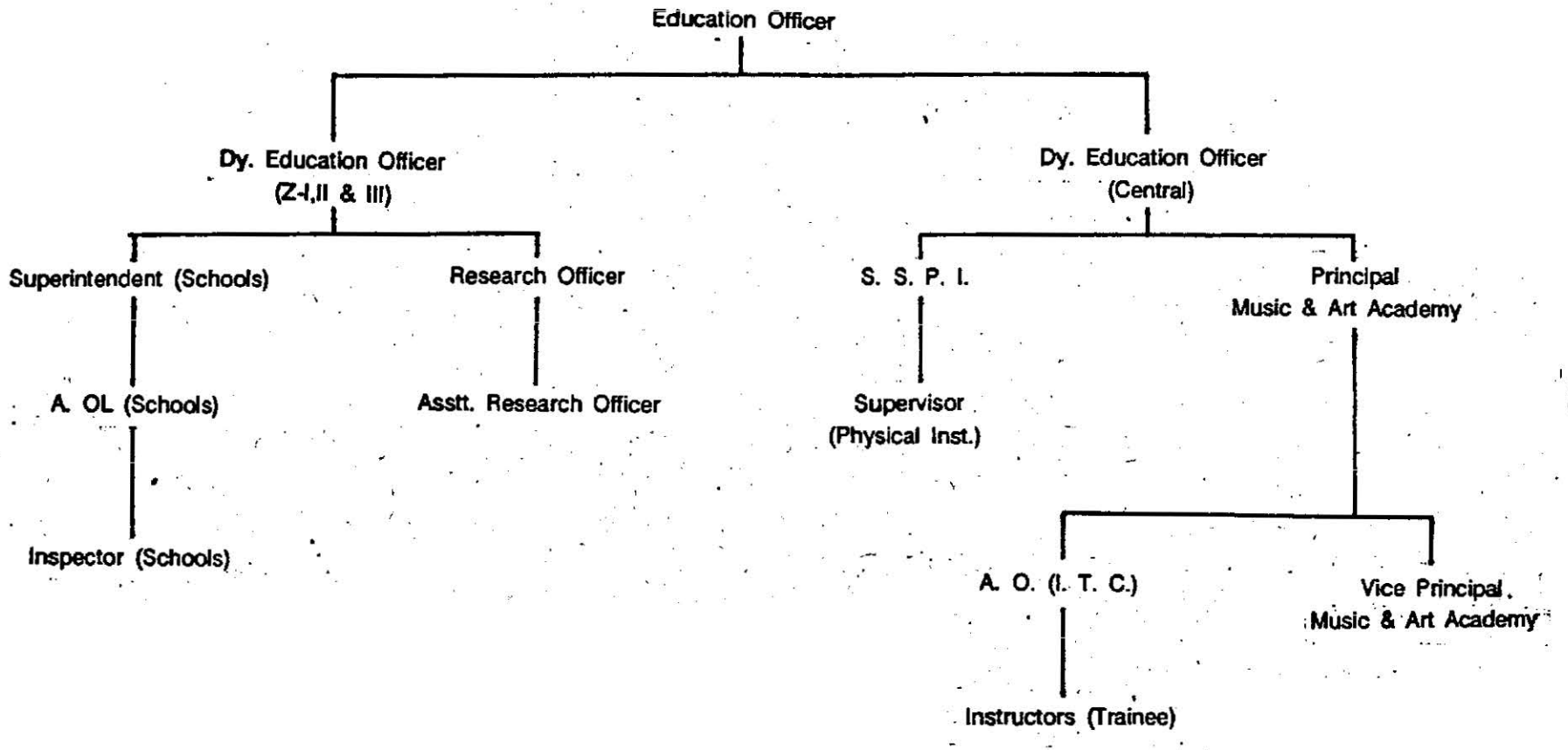
Year	Total appeared	No. of students passed	Percentage of passing
1989	8,889	2,901	32.62%
1990	9,225	3,118	41.39%

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

1) Kumari Sorna Mary Dharraraj of L. K. Waghaji S.S. - Tamil student who came first and second in Municipal Secondary Schools.

1) Kumari Rushsana Tourat Ali-Mohd. Umar Rajjob Raod S.S.	Ist	626/700	89.42%
2) Kumari Nina Kausar Usmani Vikroli P. Site S.S.	Ist	626/700	89.42%
3) Kum. Suresh K. Bhandari Naigaum S.S.	IInd	625/700	89.28%

ORGANISATIONAL CHART



Statement showing the number of Municipal Schools, Pupils and Teachers as on 31st March, 1990

Sr. No.	Medium	City				Suburbs				Extended Suburbs			
		Schools	Classes	Pupils	Trs.	Schools	Classes	Pupils	Trs.	Schools	Classes	Pupils	Trs.
1.	Marathi ..	235	1	111661	3196	204	1	157535	3767	129	-	92552	2302
2.	Hindi..	51	1	10667	312	53	2	13320	399	45	2	17481	482
3.	Gujarati ..	57	1	27527	632	80	2	53858	1151	47	1	39409	823
4.	Urdu ..	97	4	36535	988	88	3	63528	1405	37	-	13233	334
5.	Tamil ..	13	2	6279	158	14	1	5482	134	12	1	5172	133
6.	Telugu ..	16	4	6507	184	10	5	2828	69	8	3	2334	63
7.	Kannada ..	11	3	3273	97	23	2	5402	175	11	1	2687	100
8.	English ..	20	-	5526	139	12	-	4126	120	6	-	2317	67
9.	Sindhi ..	-	-	-	-	1	-	5	7	1	-	28	3
	Total –	500	16	207976	5706	485	16	306094	7227	296	8	175213	4307

Statement showing the No. of Private Primary schools & Pupils as on 31st March, 1990.

Sr. No.	Language	City				Suburbs				Extn. Suburbs			
		Recognised		Aided		Recognised		Aided		Recognised		Aided	
		Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils
1.	Marathi ..	28	14720	35	13479	29	12405	55	23610	5	4443	28	10278
2.	Gujarati ..	28	6109	21	5292	19	12932	19	13210	19	12087	26	17001
3.	Hindi ..	3	1770	10	5667	6	2440	12	4559	4	2707	9	3721
4.	English ..	145	64260	28	12387	162	68072	35	15146	79	32945	9	4533
5.	Urdu ..	3	1446	10	4789	8	1472	4	709	-	-	-	-
6.	Kannada ..	1	57	5	348	-	-	-	-	-	-	1	243
7.	Tamil ..	1	250	1	573	-	-	-	-	-	-	-	-
	Total ..	209	88612	110	42535	224	97321	125	57234	107	52182	73	35676

List of Municipal ward Winning Teachers for the year 1989-90

Sr. No.	Name of the Teachers.	Designation	Name of the School.
1.	2.	3.	4.
1.	Shri Kamlakar G. Patil	Head Teacher	Keshavrao Kadam Marg Vec. U. P. School
2.	Smt. Kaukabjana Haidar Hussain Iraki	-"-	Imanwada Urdu School
3.	Shri Aubul Latif Mehmood Chougule	-"-	M. H. B. Colony Urdu School No. 1. Mulund
4.	Shri Rajdeo Mahavir Tiwari	-"-	Santacruz (E) Hindi U.P. School
5.	Shri Rajaram Keshav Mule	-"-	Gushala Marg Marathi U. P. School No. 2
6.	Shri Husain Ishak Sahibole	-"-	Hasnabad Lane Vec. Urdu School
7.	Smt. Radha Sadashiv Mane	-"-	Jogeshwari Caves' Marathi U. P. School No. 10
8.	Smt. Juhi Zahir Sarkar	-"-	Ganesh Baug English Prim. School
9.	Shri Shantaram Narayan Gosavi	-"-	Bharucha Rd. Marathi U. P. School No. 1.
10.	Shri Shaikh Gafur Usman Patel	-"-	Shivdi X Road Marathi U. P. Prim. School
11.	Smt. Snehlata Anand Mulekar	-"-	Saneguruji Prathamik Vidya-mandir, Santacruz
12.	Smt. Hirnmahidasini Raghavendra Amin	-"-	National Education Society's High School, Vacola
13.	Smt. Pratima P. Save	-"-	Mahalaxmi Education Society's Vidyamandir Prathamik Shala, Vikhroli (E)
14.	Shri Sabaji Trimbak Rane	-"-	New English School, Kurla
15.	Shri J. N. Purohit	Head Teacher	Sanakardham Gurarati Vidyalaya, oregaon (E)
16.	Smt. Hemangini M. Matkar	-"-	Rajashri Shahu Maharaj Marg Marathi U. P. School No. 2.
17.	Shri Dinkar S. Sawant	Deputy Head Tr.	Shatabdi Schala Marathi U. P. School Wadala
18.	Shri Rajendraprasad R. Singh	-"-	Oshiwara Hindi U. P. School
19.	Shri Janbu K. Kamble	-"-	Sardar Nagar Marathi U. P. School No. 1.
20.	Smt. J. K. Vimala Jon.	-"-	Kamathipura Telugu School
21.	Shri Shankar R. Raul	-"-	Lord Harris Marathi U. P. Prim. School
22.	Shri Shaikh Khalid Ibrahim	-"-	Nehru Nagar Urdu Prim. School
23.	Smt. Minaxi Ratilal Tanna	-"-	Worli Naka Gujarati U.P. School

Sr. No.	Name of the Teachers.	Designation	Name of the School.
1.	2.	3.	4.
24.	Smt. Sushila H. Pimprikar	Instructor	Vileparle (E) Secendary School
25.	Smt. Urmila N. Desai	Trained Teacher	Nityanand Marg Gujarati U. P. School
26.	Shri Namdeo G. Bhoir	-"-	Kanjurgaon Marathi U. P. School
27.	Shri Raghunath R. Mahajan	-"-	Prabhadevi Secondary School
28.	Shri Narayan G. Patil	-"-	Babasaheb Ambedkar Marathi School No. 2.
29.	Smt. Pula Omprakash Uppal	Trained Teacher	Sanatan Dharma Prim. School Koliwada, Sion
30.	Smt. Sunita G. Rane	-"-	Supari Tank Marathi U.P. School
31.	Shri Suryankant G. Penkar	Drawing	Subhash Nagar Marathi U. P.
32.	Shri Hanumant S. Sapkal	Physical Tr.	Pnatnagar Marathi U. P. School No. 2.

PUBLIC HEALTH

HIGH LIGHTS

Expenditure

1) Maternity & Child Welfare Centres -	Rs.	4,83,99,378
2) Pre-school and School Health Services -	Rs.	75,76,152
3) Prevention & Control of Infectious Diseases etc. -	Rs.	2,49,75,694

INCOME

Issue of licences, certificates of Births, Deaths etc. -	Rs.	54,40,087

Control of Food Adulteration

Samples under P.F.A.Act -	1667
Prosecutions -	23
Fines realised	NIL
Adulterated. -	39

Food Establishments	Eating Houses	Bakeries
Grade I	780	-
Grade II	1073	12
Grade III	4016	496
Total	5869	508

HYGINE

Maternity and Child Welfare Services :

	Maternity Homes	Maternity Wards	Maternity & Child Welfare Centres.
	25	11	39
Deliveries conducted	44,179	37,489	
Cases treated at Clinics.	--	--	9,01,793

FOOD SANTITATION AND PREVENTION OF FOOD ADULTERATION

Food Sanitation comprises of Control and Supervision over the Rood 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 provisions 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 calssified 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 (cook and cookmates) 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.)	Friuts (Doz)
4,85,883	4,49,567	2,29,215	1,93,324

REGISTRATION OF BIRTHS & 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 1.1.82 & has replaced the relevant provisions of the B. M. C. 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 occurrance 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 births and thereafter on payment of prescribed late fee and compounding charges.

The Medical practtioners 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 facts recorded in the said report so as to avoid any mistake there in etc. Certificates of births and deaths occuring 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 & Control of Communicable Diseases :

The statistics regarding Birth & Birth Rate, Death and Death Rate, infant mortality, infectious and communicable diseases immunization, etc. are shown in the table No. 2 to 5.

Anti-Plague Measure
Rat Control Work :

Integrated rat control with the enployment of combinations of different measures was planned and executed. Total number of rats caught and destroyed was 6,50,625 No rat was found plague infected.

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

Cholera : There was no case of cholera. Preventive measures such as anti-cholera inoculations, disinfection of well water, distruction of over ripe and rooten fruits, were continued as routine measures. 21,342 persons were inoculated against cholera.

Tuberculosis : T.B. Control Unit continued its movities during the year. Majority of hidden cases have been brought on the register. During the year 20,166 T.B. cases were notified and deaths numbered 7011. Services of Health Visitors have been integrated with the services of Treatment Orgainisers working under Assistant Health Officer (T.B.) at Group of Hospitals for T.B. Jerbai Wadia Road, Sewri, Bombay - 400 015.

B.C.G. Vaccination : In view the new policy for B.C.G. vaccination in National T.B. Control Progremme all the new born Babies in Municipal and Private Maternity Homes are being given Neonatal 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 immunized 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 revcaccination is stopped.

Under the programme of B.C.G. Training, more narses 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.

MOBILE Health Unit :- The mobile Health Unit continued to perform 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 :

12,302 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 Exhibitions :

In addition to the general health education performed and the mass immunization carried through this units. 248 health drives were carried out and 46,095 persons were immunized against measles, T.A., T.A.B.C., T.T., D.I. 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 occurance 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 insesticides were continued. Insecticidal fogging operations were also resorted to serve a dual purpose of anti-malaria and anti- mosquito operations.

Precautions against yellow fever : Compaigns against Acdes Aegypty the vector for Yellow Fever and dengue diseases was continued throughout the year.

House Fly Control : For abatment of fly nuisance and to check fly borne diseases regular anti-fly measures were contined throughout the year and were intensified during monsoon months.

Entomological Survey : Entomological Survey to assess and delimit the transission 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 Practitioners 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 :- Fileria night control is functioning at Khar Danda Village at night for collecting blood smears and for giving treatment to positive cases.

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

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

CEMETERIES

There are 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.

SEXUALTY 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 tests carried out at the clinic's laboratory. Male and female patients are examined and treated in separate wings of the clinic, maintained in absoute 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 services to the patients attending the clinic. This clinic is presently perticipating in AIDS screening programme.

S.T.D. reference laboratory situated at Kamathipura Meternity Home premises, undertakes Blood, V.D.R.L. & Certification tests, Dark Ground. illunitation for Treponema Pallidum and extends facilities to patients referred by general medical practioners and medical insitutions free of charge.

LEPROSY

Leprosy cases in Greater Bombay are treated at the outpatiend clinics of thee 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 26.1.84, in Greater Bombay Corporation Area, the total expenditure of all the in-partient 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 cepital expenditure of the Greater Bombay Leprosy Scheme.

ELECTRIC CREMATORIUM

There are 4 Electric Crematorium - (i) Chandanwadi (ii) Sion and (iii) Oshiwara, Andheri (West), and (4) Shivaji Park. These are open 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 out-side Greater Bombay is issued at the office of Executive Health Officer during office hours and thereafter at the residence of zonal Dy. Executive Health Officers, 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 court once in the City and Suburbs and in Pune as Public Analyst in 2 cases.

Apart from the examination of samples of water, food, stuffs collected by Sanitary Inspectors and Food Inspectors, samples collected by the Food & Drug Administration and the B. P. T. authorities and samples of stores from Controller of Stores and samples from different department 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 Borivali.

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 provision of Secction 441C to 441C of the Bombay Municipal Corporation Act, stray cattle are seized and impounded in the Municipal Cattle Pound at Malad (West). The claimant of the animal isi prosecuted in the court and after the claimant is penalised by the court, the cattle 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 Humanitarium League on prescribed charges. The stray pigs are seized and sent to Deonar Abbattoir for destruction as per provision of Section 384(2) of B. M. C. Act.

During the year 1989 in all 2822 cattle were impounded and 1179 prosecutions were launched Rs. 13,60,763.50 were recovered by way of pound fees, transport charges and feeding charges while Rs. 1,75,703/- realised by way of fines, by the Court.

MATERNITY & 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 & Child Welfare Centres. The scheduled strength of Maternity Beds was 1581. The number of deliveries conducted was 81,668. The average stay of mothers in the maternity homes was 3 days. Domicillary care was rendered to impart health education and to carry out health propoganda amongst mothers. Institutional care included ante-natal, post- natal, infant and pre-school age child care, follow up work and health education by propogandas through posters, leaflets, grouptalk, demonstrations. and film-shows, etc.

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

Peadiatric Centres were conducted at 8 Meternity Homes with a view (i) to providing a services

to the community in which efficient, effective and comprehensive Paediatric care can be given out-side the hospital, by promoting good growth and development, providig immunization facilities, teaching family and community health as also nutrition (ii) to reducing the load of the hospital out-patients department by referring cases for different medical care and (iii) to providing a teaching field and education experience in the Urban centre to doctors, nurses and allied workers.

FAMILY WELFARE PLANNING

With a view to promote the small family norms, the instructions and guidance in spacing of births is given to married men and women and operation of male and female sterilisation 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 Hospital.

These activities are conducted under the supervision of the Special Officer I/c Family Welfare, F/South Ward Office, Dr. Ambedkar Road, Parel, Bombay - 400 012.

HEALTH POSTS

With a view to render basic integrated health and family welfare services to the urban poor at a place within walking distance from the slums and other slum like areas where they live, the Bombay Municipal Corporation has located 66 Health Posts in existing Family Welfare Centres.

About 35,00,000 population is covered through these post. The health Workers attached to these posts render preventive, promotive and curative services to the population such as family welfare, mother and child health care immunization, health education, advice of nutritution, prevention of anaemia in mother and children prevention of blindness.

PRIVATE VOLUNTARY ORGANISATIONS.

Efforts are being made to collaborate with the Private Valuntary Organisations working in the Health and Family Welfare Sector. Agreements of understanding have been signed with four Private Voluntary Organisations and more are going to be signed shrotly. The four P.V.Os. are (1) Streehikarni, (2) Bombay Mothers & Children Welfare Society, (3) Nagpada Nighbour Hood and (4) Worli Temple Trust.

We envisaged collaboration with F.P.A.T., I.M.A., S.P.A.R.C., Rotary Club, L & T etc.

A dicision is also being taken to give some space to the P.V.Os. to allow them to function better.

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 :-		19,908
Expenditure :-	Rs.	2,52,43,262.00

PHARMACY DEPARTMENT

The Pharmacy Department at this Hospital is under expansion to raise the production of P.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 Cerntre

718 persons were immunized against Diptheria, 1851 against Enteric Fever, 2214 aginst Cholera, 155 aginst Meningoccoccal Meningitis and 135 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.

Incentive 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 635 as against 651 during the previous year.

Paying Beds

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

Teaching

Lectures in Infectious Diseases were given to 330 students including under-graduates of Allopathic, Ayurvedic and Homeopathic. Student Nurses, Nurses, Health Vistitors, 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, Libriary 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 shown in Table No. 13.

Dispensaries

New cases treated at the 151 dispensaries and 7 mobile dispensaries were 13,82,302 and the total attendance was 39.92,114.

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 Meternity Homes, Hospitals and Dispensaries.

Maternity and Child Welfare Clinics.

2,78,381 new cases were treated at the 39 Maternity and Child Welfare Clinics and Total attendance was 9,01,793 during the year 1989.

Municipal Eye Hospotal, Kamathipura.

The total number of new cases and the total attendance at the out-patient department of this hospital was 23,970 and 65,112 as against 24,854 and 68,576 respectively during the previous year. The number of indoor patients amongst new cases and total attendance was 1586 and 10.296 respectively, as against 1609 and 14,132 respectively during the previous year.

Ambulance and Hearse Services.

Municipal Ambulance service is available at all Municpal 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 Tagore Nagar, Vikhroli. Ambulance under the control of Fire Bridge is available for removal of cases of maternity and street accident (free) and non-Infectious medical cases on payment within the limits of Greater Bombay.

Ambulance service at Sane Guraji 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 Hopital, Rajawadi Hospital, Mulund (W), Hospital, Borivali 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. In due to attendance of a large number of patients requiring dispensary treatment. With view to relieving the general hospitals of the heavy load to parients. 65 Municipal General Dispensaries were upgraded.

Integrated Child Development Service Scheme

In pursuance of the National Policy for Children, the Govt. of India have sanctioned the Integrated Child Development Scheme, integrating various services for the development of a child. The schme is in operation in the slums of 'P' and 'R' wards, Dharavi and has been extended to Andheri Slums recently. The main aspect of the scheme is to deliver basic health servlces such as Immunizations, Health Check-up of children upto the age of 6 years and expectants on the scheme is borne by the Government of India.

Expanded Programme of Immunization

Multi-purpose workers scheme is prevalent in Greater Bombay and includes expanded programme of Immunization. Under the scheme every child in Greater Bombay is contacted and Immunized for Diphtheria, Tetanus whooping, Cough, Tuberculosis within 1 to 1- $^{1}/_{2}$ years from its birth.

'Expanded Programme of Immunization' is implemented is 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 Diptheria, 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 Meternity Homes, Dispensaries and Hospitals and also in the slum areas for which special staff has been appointed under the programme for E.P.P.I., diseases mentioned above. It is proposed to cover 85% of eligible children (0-1 yrs.) and 100% pregnant women by the year 1989.

Anti-Rabic Treatment

Anti-Rabic Treatment is given at 14 Municipal Hospitals, 1 private hospital, 1 Government Hospital and 17 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 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 1989 in all 48,699 dogs were caught and 46,544 dogs were destroyed.

Control on Certain Treades & Cinema & Drama Theatre

Certain trades like hair dressing saloons, Pan shops Laundries, etc. are controlled from Public Health Health Point of view by imposing a licence under Section 394 of the B.M.C. Act.

Similarly Cinema Teatres, Drama Halls, etc. are inspected to control them from Public Health Point of view under the Prevention of "Maharashtra Cinema (Rules) Regulations 1965 and "Rules for Licensing and Controlling places for Public amusement" respectively.

Health Education

The citizen are educated through health film posters, and other publicity media in metters of environmental sanitation, good habits for healthy living immunization etc. Special educational compaigns are arranged on various Health subject from time to in slume.

REGISTRATION OF NURSING HOMES

Nursing Homes require registration under the Bombay Nursing Homes 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 Bomay Nurses, Midwives and Health Visitors Act, 1954 and the Rules and Bye-laws passed thereunder. The licence is issued on payment of prescribed 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 extend 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 passsport and keep the certificate with him by giving him an understanding that the certificate would be cancelled if he would not turn up within fifteen days of the inoculation.

Inoculation against yellow fever are given at the Seamen's Medical Examination Organisation, Nav Bhavan, Road, Karwar Street, Bombay - 1 and at Sahar Air Port.

MUNICIPAL CORPORATION OF GREATER BOMBAY
STATISTICS FOR THE YEAR 1989

Sr. No.		City	Suburbs	Ext. Subs.	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 1989	67450	84245	57630	209325
5.	Birth rate per 1000 Population census 1981.	20.5	27.4	30.4	25.4
	Mid Year estimated 1989.	16.1	21.6	24.0	19.9
6.	Death registered in 1989	32381	25952	15136	73469
7.	Death rate per 1000 Population census of 1981.	9.9	8.5	8.0	9.0
	Mid year estimated 1989.	7.7	6.5	6.5	7.0
8.	Total deaths among infants (under 1 year.)	3838	4451	2505	10794
9.	Infant death rate per 100 live births	56.9	52.9	43.5	51.6
10.	Maternal Deaths	52	37	29	118
11.	Maternal Death rate per 100 live Births.	0.8	0.5	0.6	0.6
12.	Still Births 1989.	2131	2246	1797	6174
13.	Plague, Cholera, Small Pox deaths.	-	-	-	-
14.	Tuberculosis death	4117	2046	848	7011
	Death rate	0.9	0.6	0.3	0.7
15.	Acute Anterior Pollomyelitis deaths	31	22	12	65
	Death Rate	0.0	0.0	0.0	0.0
16.	Deptheria Death	9	2	0	11
	Death Rate	0.0	0.0	0.0	0.0
17.	Typhoid Deaths	3	4	2	9
	Death Rate	0.0	0.0	0.0	0.0

TABLE - 1

PUBLIC HEALTH DEPARTMENT

NOTTIFIABLE DISEASES	ATTACKS	DEATHS-1989
1. PLAGUE	--	--
2. CHOLERA	--	--
3. SMALL POX	--	--
4. DIPHTHERIA	31	11
5. ENTERIC FEVER	163	9
6. INFECTIOUS HEPATITIS	1186	120
7. TUBERCULOSIS	20016	7011
8. MENINGOCOCCAL INFECTION	101	23
9. TYPHUS	--	--
10. PUERPERAL FIVER	--	--
11. INTERIOR POLIOMYELITIS	478	65
12. INFLUEZA	--	--
13.. VORIS ENCEPHALITIS	--	--
14. SCARTET FEVER	--	--
15. YELLOW FEVER	--	--
16. RELAPAXING FEVER	--	--
17. HAEMOREHATIC LEVER	--	--
18. LEPROSY	1845	8
19. DANGUE FEVER	--	--

PUBLIC HEALTH DEPARTMENT

	IMMUNIZATION	TOTAL DURING 1989
DIPPT. TETANUS	Ist DOSE	1,32,605
	IInd DOSE	9,089
	BOOSTER DOSE	1,683
TRIPLE	Ist DOSE	1,40,445
	IInd DOSE	1,05,913
	IIIrd DOSE	91,888
	BOOSTER DOSE	77,244
POLIO	Ist DOSE	2,08,937
	IInd DOSE	1,10,727
	IIIrd DOSE	97,603
	BOOSTER DOSE	31,237
T.A.B.	--	19,213
ANTI CHOLERA	--	21,242
TETANUS TOXIDE	Ist DOSE	4,65,886
	IInd DOSE	1,15,339
	IIIrd DOSE	25,408
	BOOSTER DOSE	10,248
B.C.G. VACCINATION		1,06,865
MEASLES		32,600

TABLE NO. 2

Deaths and Deaths Rates from Epidemic and Principal causes 1989

Cause of Death	Average of year 1983 to 1987		1988		1989	
	Deaths	Deaths Rate	Deaths	Deaths Rate	Deaths	Deaths Rate
SMALL PIX	-	-	-	-	-	-
MEASLES	208	0.0	97	0.0	179	0.0
PLAGUE	-	-	-	-	-	-
ENTERIC FEVER	31	0.0	37	0.0	9	0.0
INFLUENZA	-	-	-	-	-	-
CHOLERA	-	-	-	-	-	-
MALARIAL FEVER	-	-	-	-	-	-
DIPTHERIA	15	0.0	25	0.0	11	0.0
OTHER PRINCIPAL CAUSES						
TUBERCULOSIS	7782	0.8	7174	0.7	7011	0.6
MENINGOCOCCAL IMFARACTION	14	0.0	23	0.0	23	0.0
DISEASE OF NERVOUS SYSTEM	1073	0.1	969	0.0	439	0.0
DISEASE OF RESPIRATORY SYSTEM	11904	1.2	10604	1.0	8376	0.8
DYSENTRY, DIARRBOEA, ENTERITIES	3270	0.3	2465	0.2	1881	0.1
PUEPERINAL STATE	106	0.0	98	0.4	118	0.6
CONGENITIAL DIBILITY & EARLY INFANCY.	4475	0.4	3860	0.3	3625	0.3
SENILITY WITHOUT MENTION OF PSYCHOSIS.	2878	0.3	2097	0.2	1636	0.1
ACCIDENTAL CASES.	5648	0.6	7253	0.7	7213	0.7
OTHER CAUSES	35203	3.8	39504	3.8	42947	4.0
TOTAL :	**72630**	**7.7**	**74209**	**7.2**	**73469**	**7.0**

TABLE NO. 3

Death among Infants from principal causes by age period 1989

Age Period	Small Pox.	Measles	Malarial Fever.	Diarrhoea, Dysentry, Enteritis	Congential Malformation, disease at early infancy.	Diseases of Respiratory system	Poliomylitis.	Other causes	All cases	Percentage to the total of Infants Deaths.
Upto 7 days	-	1	-	31	3223	416	-	963	4634	142.93
1 to 4 Weeks.	-	-	-	75	275	302	-	685	1337	12.38
Total under 4 weeks.	-	1	-	106	3498	718	-	1648	5971	55.31
4 weeks to 6 months.	-	9	-	479	107	1033	1	1667	3296	30.54
6 months to 12 months.	-	24	-	300	20	409	18	756	1527	14.15
Total under 4 weeks to 12 months.	-	33	-	779	127	1442	19	2423	4823	44.69
GRAND TOTAL :	-	34	-	885	3625	2160	19	4071	10794	100.00

TABLE No. 4

Infant Moratality from Principal causes 1984 to 1989

Cause of Death	1984	1985	1986	1987	1988	1984 to 1988 Average(A)	1989 (B)	Difference between (A) & (B).
Poliomylits	24	62	60	69	11	45	19	-26
Small pox	-	-	-	-	-	-	-	-
Measles	103	89	10	3	97	60	34	-26
Malarial Fever	-	-	-	-	-	-	-	-
Diarrheoa, Dysentry Enteritis.	1531	1735	1421	1181	968	1367	885	-482
Congenital Malformation disease of early infancy.	4588	4001	4453	4533	3751	4265	3625	-640
Diseases of Respiratory system.	2777	2536	2959	3989	2512	2774	2160	-614
All causes.	13061	13282	12493	12468	11593	12579	10794	-1785

TABLE No. - 5

CASES OF NOTIFIABLE DISEASES REPORTED IN 1989

Ward	cholera	Small pox	Plague	Enteric Fever	Diphthe-ria	Typhus	Puer-peral	Tuber-culosis Fever	Releap-sing	Influ-enza Fever	Spinal Fever	Acute Interior	Scarlet Fever Polio Myelitis.	Infective Hepatitis	Laprosy	Total
A	-	-	-	03	01	-	-	173	-	-	-	01	-	26	9	213
B	-	-	-	18	01	-	-	1514	-	-	-	01	-	54	11	1599
C	-	-	-	01	-	-	-	759	-	-	-	-	-	14	10	784
D	-	-	-	12	01	-	-	2656	-	-	-	07	-	96	102	2974
E	-	-	-	49	02	-	-	895	-	-	-	31	-	187	123	1287
F/S	-	-	-	20	-	-	-	2612	-	-	-	15	-	78	137	2862
F/N	-	-	-	06	03	-	-	554	-	-	-	23	-	60	238	884
G/S	-	-	-	27	01	-	-	2591	-	-	-	10	-	83	113	1465
G/N	-	-	-	0	-	-	-	461	-	-	-	25	-	65	117	2802
H/E	-	-	-	01	02	-	-	625	-	-	-	18	-	41	74	597
H/W	-	-	-	-	-	-	-	682	-	-	-	03	-	08	52	688
K/E	-	-	-	04	01	-	-	832	-	-	-	20	-	43	119	869
K/W	-	-	-	01	-	-	-	598	-	-	-	10	-	12	93	948
L	-	-	-	02	-	-	-	471	-	-	-	30	-	44	97	771
M	-	-	-	04	02	-	-	618	-	-	-	63	-	75	109	724
N	-	-	-	0	-	-	-	455	-	-	-	20	-	34	45	718
P/S	-	-	-	03	01	-	-	263	-	-	-	17	-	19	-	495
P/N	-	-	-	02	01	-	-	263	-	-	-	23	-	21	168	478
R	-	-	-	-	03	-	-	1235	-	-	-	36	-	38	146	1458
S	-	-	-	-	01	-	-	509	-	-	-	09	-	37	-	556
T	-	-	-	01	01	-	-	282	-	-	-	05	-	12	82	383
IMPORTED	-	-	-	04	10	-	-	-	-	-	-	111	-	139	-	264
TOTAL :	-	-	-	**163**	**31**	-	-	**20016**	-	-	-	**478**	-	**1186**	**1845**	**23719**

TABLE NO. - 6

NATIONAL MALARIA ERADICATION PROGRAMME FOR THE YEAR 1989

	No. of Fever Cases dete-cted.	No. of persons given treat-ment	No. of blood smears			Found + ve	Parasite Species				Persons Treated		Imp.	Epidemiological Classification			
			Colle-cted	Exami-ned	Bro-ken		V	F	M	Mixed	Comple tely	Par-ti-ally		Ind.	Rela-psed	In-du-ced	Un tre-Cla-ated+ ssified.
1. ACTIVE																	
CITY	31,306	31,306	31,306	31,306	-	299	280	18	-	1	207	13	68	202	-	5	24
W. SUBS	76,744	76,744	76,744	76,744	-	170	140	30	-	-	123	02	113	149	-	5	3
E. SUBS	40,716	40,716	40,716	40,716	-	63	58	5	-	-	49	-	49	-	-	-	10
TOTAL :	**1,48,766**	**1,48,766**	**1,48,766**	**1,48,766**	**-**	**532**	**478**	**53**	**-**	**1**	**379**	**15**	**207**	**278**	**-**	**10**	**37**
2. PASSIVE																	
CITY	1,32,392	1,32,392	1,32,392	1,32,392	-	1,846	1,642	190	-	14	1,423	39	588	828	-	161	269
W. SUBS	87,163	87,163	87,163	87,163	-	567	503	61	-	3	399	20	248	104	-	58	31
E. SUBS	74.622	74.622	74.622	74.622	-	280	256	24	-	-	178	6	120	85	-	29	31
TOTAL :	**2,94,177**	**2,94,177**	**2,94,177**	**2,94,177**	**-**	**2,693**	**2,401**	**275**	**-**	**17**	**2,000**	**65**	**1,024**	**1,090**	**-**	**248**	**331**
3. MASS																	
CITY	12,780	12,780	12,780	12,780	-	43	42	1	-	-	39	3	10	32	-	-	1
W. SUBS	9,056	9,056	9,056	9,056	-	-	-	-	-	-	-	-	-	-	-	-	-
E. SUBS	9,622	9,622	9,622	9,622	-	6	6	-	-	-	6	-	5	1	-	-	-
TOTAL :	**31,548**	**31,548**	**31,548**	**31,548**	**-**	**49**	**48**	**1**	**-**	**-**	**45**	**3**	**15**	**33**	**-**	**-**	**1**

TABLE NO. 7
NATIONAL MALARIA ERADICATION PROGRAMME

Ward-wise Malaria Positive Cases with species and classification for the year 1989.

Ward	No. of + ves	Malaria Parasites V	F	M	Mixed	Classification Imp.	Inde genous	Untra ced	Uncla-ssified
A	203	171	28	-	4	36	114	25	28
B	84	73	10	-	1	26	30	14	14
C	56	50	6	-	-	17	17	8	14
D	277	251	23	-	2	98	127	18	34
E	378	327	50	-	1	147	151	19	61
F/S	721	695	22	-	4	184	451	27	59
F/N	105	94	11	-	-	49	27	4	25
G/S	246	211	35	-	-	66	119	24	37
G/N	106	83	21	-	2	45	20	20	21
H	312	282	30	-	-	153	128	15	16
K	140	123	16	-	1	75	37	20	8
L	69	61	8	-	-	34	25	5	5
M	82	75	7	-	-	18	43	12	9
N	643	57	7	-	-	39	14	4	7
P	166	133	30	-	3	118	29	13	6
R	128	110	18	-	-	85	118	18	7
S	68	64	4	-	-	27	24	5	12
T	69	66	3	-	-	29	27	7	6
TOTAL:	3274	2927	329	-	18	1246	1401	258	369

TABLE - 8

Admission, Deaths and Average Number of patients at Kasturba Hospital, Sane Guruji Marge, Bombay - 11.

Months.	Chic-pox.	Mea-sles.	Mum-ps	Ante-rior Polio Myel-itles.	Infe-ctive Hepa-titis.	Influe-nza.	Cho-lera.	Diarh-hoea & Vo-mitting due to Gastro Entritis.	Pla-gue.	Dipth-eria.	Ente-Fever	C.S. fever.	Typ-hus Fever.	Ery-sipe-las.	B.Dy-sent-ry.	A.Dy sentry.	Whoo-pping Cough	Other	Total	Dise arge.	Death	Daily Average No. of patients
Jan.	584	193	22	51	47	-	-	196	-	1	9	8	-	-	-	20	-	632	1763	1702	61	429
Feb.	849	145	38	27	82	-	-	180	-	2	4	17	-	-	-	1	-	542	1887	1837	50	511
Mar.	1054	98	35	26	82	-	-	241	-	3	4	22	-	-	-	15	1	597	2178	2132	46	532
Apr.	704	69	31	26	89	-	-	288	-	2	9	16	-	-	-	4	1	729	1968	1901	67	507
May	387	36	10	34	96	-	-	312	-	2	5	7	-	-	-	7	-	706	1602	1516	68	421
June	101	20	16	42	95	-	-	343	-	3	27	2	-	-	-	15	-	615	1279	1232	47	314
July	50	13	3	62	-	-	-	717	-	4	7	2	-	-	-	20	-	754	1710	1649	61	313
Aug.	65	6	20	59	132	-	-	591	-	3	22	6	-	-	-	-	-	948	1852	1771	81	409
Sept.	75	9	28	40	134	-	-	352	-	5	26	4	-	-	-	8	-	852	1533	1449	84	378
Oct.	42	10	35	33	116	-	-	291	-	3	5	5	-	-	-	6	-	745	1291	1248	43	317
Nov.	140	7	19	47	111	-	-	314	-	2	22	5	-	-	-	8	-	791	1466	1424	42	327
Dec.	250	21	27	31	124	-	-	249	-	1	23	7	-	-	-	24	-	622	1379	1342	37	327
TOTAL	4301	627	284	478	1186	-	-	4070	-	31	163	101	-	-	-	128	2	8533	19908	19223	685	398

TABLE NO. - 9

Admission from 1987 to 1990 at the Kasturba Hospital for Infectious Diseases.

Year.	Chic-ken pox.	Mea-sles	Mumps	C.S. Fever	Dip-theria	Influe-nza.	Who-oping Cough	Enteric ferver	B. Dy. sentry	A.Dy senry	Cho-lera.	Plague	Typh-us Fever.	Diar-rhoea & Vo-mitting due to Gastro-Ente ritis.	Ante-rior Polio Myeli-tis.	B+ve Hepa-titis	Other	Total	Death	Discharge	Daily Average No. of patient
1986	2263	1168	396	183	38	-	-	192	1	92	-	-	-	4125	999	777	8072	18306	804	17502	376
1987	2118	724	371	150	43	-	-	165	1	121	-	-	-	3837	1032	732	7852	17146	763	16386	377
1988	2741	895	481	113	67	-	6	137	-	390	-	-	-	6041	418	1062	8298	20649	696	19952	383
1989	4301	627	284	101	31	-	2	163	-	128	-	-	-	4074	478	1186	8533	19908	685	19223	398

TABLE NO. - 10

Average cost per patient admitted at the Kasturba Hospital for Infectious Diseases, Sane Gurji Marge, Bombay-400 011.

Particulars	1986	1987	1988	1989
Drug, Dressings & Disinfectants	51.24	51.94	78.26	60.69
Diet	48.09	81.34	64.12	51.59
Clothing	6.86	9.24	10.64	8.75
Stores	14.98	6.44	16.94	20.65
	121.17	**148.96**	**169.96**	**141.68**

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	7.37	-
Stores & Linen	4.21	0.51
Drugs, Dressing & Disinfectants	8.67	3.01
Lighting, Miscellaneous	21.42	0.05
Repairs	6.79	-
Establishment	129.95	6.05
	129.95	9.62

TABLE NO. 12

Immunization done by Mobile Health Unit in 1989 in field

	In field	Total
1. Immunization		
1) D.T. 1st Dose	3,073	3,073
D.T. 2nd Dose	3,199	3,199
2) Triple 1st Dose	539	539
2nd Dose	170	170
3rd Dose	214	214
Booster Dose	3,994	3,994
3) Polio 1st Dose	632	632
2nd Dose	204	204
3rd Dose	507	507
Booster Dose	5,303	5,303
4) T.A.	-	-
5) Cholera	-	-
6) T.T. 1st Dose	11,014	11,014
2nd Dost	-	-
7) Measle	2,716	2,716
Total	**31,565**	**31,565**
2. Health Drives	248	
3. No. of film show Audiance	Nil (Post vacant from 1983)	
4. Patients treated with Folice Acid	16,339	
5. Patients treated with Vitamin 'A'	16,858	
6. Patients treated with Iron Folic Acide Syrup	-	
7. No. of families surveyed	29,865	
8. No of population surveyed	1,90,816	

TABLE NO. - 13

Work done at Municipal General Hospital under the Executive Health Officer during the year 1989

	Khursheji B. Bhabha Hospital Bandra	Vishnu Prasad Nandraj Desai Gen. Hospital Santacruz (E)	Dr. R. N. Cooper Hopital Juhu	Khan Bhadur H. K. Bhabha Hospital Chembur	Diwalibai Mohanlal Mehta (Maa) Hopital Chembur	Seth V. C. Gandhi & M.A. Vora Gen. Hospital Rajawadi Ghatkopar	Shri M. W. Desai Memorial General Hosp. Malad (E)	Shri Harilal Bhawati Hosp. Borivali	M.T. Agarwal Gen. Hosp. Mulund (W)	Municipal Gen. Hosp. Mulund (E)	Sant Muktabai Gen. Hosp. Brave Nagar Ghatkopar	Municipal Centenary Gen. Hosp. Govandi	Municipal Centenary Gen. Hosp. Kandivali (W)
Children Ward	58	27	60	36	20	76	30	60	33	25	20	30	30
General Male Ward	60	75	195	70	28	42	30	80	40	25	20	20	30
General Female Ward	60	75	195	40	12	37	30	40	37	20	20	20	20
Maternity Ward	114	30	90	60	-	110	30	60	–	20	40	30	25
Septic & Gynaec. Ward)		40	-	-	10	60	16	–	18	10	–	–	5
Others) –	186	4	-	50	4	235	–	135	–	–	–	60	–
Total No. of Beds	478	251	520	256	74	560	136	375	128	100	100	180	120

	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE	ANNUAL ATTEN-DANCE	DAILY AVER-AGE
In-patients	1,39,795	383	58,582	161	1,64,157	491	62,721	171	18,668	51	1,47,421	404	29,837	82	16,394	45	40,072	110	24,292	66.05	19,319	64	37,922	132	31,399	86
Surgical Operation	22,432	49	8,694	29	14,619	61	3,360	10.20	2,002	5	15,389	52	2,775	9	14,673	40	4,736	18	626	4.24	596	1.19	5,521	17	2,855	12

	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	NEW CASES	TOTAL ATTEN-DANCE	REW CASES	TOTALL ATTEN DANE
OUT PATIENT DEPTT.	2,60,542	7,84,869	1,22,748	2,63,413	1,88,814	5,80,442	1,10,160	4,72,839	79,213	3,20,792	2,77,250	7,97,175	49,564	1,29,042	1,07,664	4,67,090	59,952	2,68,494	46,839	1,54,308	62,373	1,57,102	99,405	3,84,869	55,220	2,15,195
In-patient remained on 31.12.88	343		145		441		144		46		398		88		256		82		58		85		87		78	
Admitted in 1989	18,698		13,035		28,098		11,814		3,699		29,048		8,460		16,394		8,037		4,970		5,360		13,664		8,195	
Total no. of patients treated in 1989	19,078		13,192		1,84,157		82,7221		3,549		29,446		29,042		84,314		3,08,508		1,54,308		7,500		37,222		2,15,195	
Discharged cured	18,999		112,927		25,782		11,674		3,548		22,301		7,823		15,782		5,645		2,384		5,470		13,280		7,878	
Other	495		-		871		-		90		5,382		250		545		230		844		160		122		350	
Died	543		265		1,855		261		67		1,381		179		1,514		173		110		37		221		137	
In-patient remaining on 31.12.89	383		161		479		140		70		404		82		190		89		46		84		129		110	
Daily Average (Out Patient)	3,083	-	878		848		1,295		1,036		584		353.5		1,279		905		422		523		1,323		717	

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.
	1,84,20,220	133.50	1,77,60,600	182.32	3,22,33,761	90.86	1,63,85,204	184.91	57,50,200	176.76	3,92,06,711	159.61	6,42,351	44	2,66,91,000	161.85	1,71,34,375	80.99	17,78,741	44.45	66,17,205	237.31	1,32,26,72	153.02	63,84,366.70	112.46

TABLE NO. 14

Examination of food and water samples during the year 1989.

I. Chemical Examination :-	
1) Food (1) P. F. A. Act -	3142
(2) Other than P. F. A. Act -	7876
2) Water Samples -	5840
3) Controller of Stores -	190
4) Hospitals -	73
5) Miscellaneous -	325
TOTAL : -	**17446**
II. Bacteriological Examination :-	
1) Water from City, Suburbs & Extended Suburbs.	25793
2) From B. P. T. Area -	385
3) Water (Private) -	983
4) Foods -	295
5) Ice -	A
6) Miscellaneous -	-
TOTAL : -	**27460**

TABLE NO. 15

Wardwise confinements in Institutions in Greater Bombay during the period 1989.

Sr. No.	Ward	No. of Institutions	Total No. of Beds	No. of Maternity Beds	Live Birth	Still Birth	Total Confinements	Deaths among Mothers	B. C. G. vaccination given
1.	A Ward	19	2792	599	7940	158	8798	10	7882
2.	B Ward	6	225	121	2686	52	2738	–	711
3.	C Ward	8	253	2190	1161	17	1178	–	1059
4.	D Ward	54	2190	733	10690	151	9820 (2 twins)	10	9463
5.	E Ward	17	4035	388	9556	268	13964	18	8367
6.	F/N Ward	35	1598	422	13734	230	18076	40	11061
7.	F/S Ward	14	2729	500	17640	436	5469	–	1347
8.	G/N Ward	37	531	373	5381	88	8310	–	4500
9.	G/S Ward	16	998	365	8190	120	6570	–	6554
10.	H/E Ward	14	379	132	6459	111	12051	2	7649
11.	H/W Ward	41	1057	455	11931	120	14056	15	15440
12.	K/W Ward	48	1720	639	13660	396	13040	–	7756
13.	K/E Ward	45	1287	559	12797	243	7797	2	7823
14.	L Ward	11	452	143	7683	114	7797	2	7823
15.	M/W Ward	21	270	185	6068	110	6178	–	475
16.	M/E Ward	8	509	148	8725	166	8891	1	7105
17.	N Ward	30	2661	494	18328	565	18893	5	13349
18.	P/S Ward	22	300	243	7084	159	7224 (19 twins)	–	5284
19.	P/N Ward	43	789	439	11083	188	11271	1	10678
20.	R/N Ward	38	788	465	10414	282	10696	–	7878
21.	R/S Ward	21	804	276	7846	132	7976 (2 twins)	1	7250
22.	S Ward	25	642	357	7816	172	7988	–	8580
23.	T Ward	29	919	330	9815	268	10083	–	5561
	TOTAL	**600**	**27928**	**8454**	**216687**	**4546**	**22108 (25TW)**	**105**	**154847**

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

HOSPITAL :

			Rs.
I.	**EXPENDITURE :**		
(A)	On In-patients.	..	..10,60,11,653.00
	On Out-Patients.	..	.. 4,63,81,135.00
(B)	**Average cost per :**		
	(i) In-patients per day.	.. ..	230.16
	(ii) In-patients admission.	.. --	1,694.72
	(iii) Out patient attendance.	..	108.55
	(iv) Out-patient admission.	.. --	336.00
II	**RESULTS :**		
(A)	1. Schedule Bed strength.	.. ..	1615
	2. Daily Average In-patients in wards.	.. ..	1610
	3. Admission Including those brought over from the pervious year 1988.	.. ..	62215
	4. Patients discharged :		
	(i) As cured.	.. ..	48,317
	(ii) Otherwise.	.. ..	9,354
	(iii) Expired	.. ..	4518
	(iv) Remained in the Hospital on the last day of the year 1989.	.. ..	1466
	5. Average stay of In-patients (in dyas.)	.. ..	9.44
(B)	1. New Out-Patients attendance.	.. ..	317021
	2. Daily average of New out patients.	.. ..	1064
	3. Out-patients New & Old.	.. ..	14,85,274
	4. Daily average of Out-patients attendance.	.. ..	4,984
	5. Casualty cases (Medico-legal)	.. ..	20,090
(C)	**Operations :**		
	Major.	.. ..	21804
	Minor.	.. ..	34829
(D)	**Confinements :**		
	1. Booked cases	.. ..	3571
	2. Emergency cases.	.. ..	268
	3. Normal.	.. ..	3070
	4. Abnormal.	.. ..	769
	5. Neonatal & Maternal Deaths.		
	1. Maternal Deaths.	.. ..	30
	2. Neonatal Deaths.	.. ..	110
	3. Still births.	.. ..	113
	4. Premature live Born Infants.	.. ..	
III -	**SPECIALISED TREATMENTS :**		
1.	Artificial Kidney Departments :		
	(i) Peritoneal Dialysis.	.. ..	317
	(ii) Haemodialysis.	.. ..	2918

2.	**I.C.U. WARD.**		
	No. of admissions.	.. ..	884
3.	Open Heart Surgery.	.. ..	758
4.	Other Operations (Heart)	.. ..	590
5.	Neuro surgery :		
	Operations.	.. ..	829
6.	Sterlisations :		
	Male	.. ..	21
	Famale	.. ..	1007
IV -	**RADIOLOGY :**		
1.	General Radiology.	.. ..	1,17,525
2.	Vascular Radiology.	.. ..	23,521
3.	Neuro Radiology.	.. ..	1,548
4.	Orthorpaedic	.. ..	57,083
V -	**BLOOD BANK :**		
	I - No. Of Blood Samples Collected From :		
1.	Voluntary Donors.	.. ..	15031
2.	Relatives Doner.	.. ..	8028
3.	Indoor Volunrary Donors	.. ..	407
4.	Other Hospitals.	.. ..	2564
II.	No. of Bottles supplied.	.. ..	23845
III.	Total No. of grouping & X-matching.	.. ..	26,368
VI -	**SCHOOL CLINIC :**		
1.	**School children treated:**		
	New.	.. ..	3,023
	Old.	.. ..	16,000
2.	Total expenditure on clinic.	.. ..	4,43,820.28
VII -	**PHYSIO THERAPY DEPARTMENT.**		
	Attendance at the Centre:		
	i) Out patients.	.. ..	19,426
	ii) In-patients.	.. ..	2,98,681
2)	**Treatment given to :**		
	i) Out-patients.	.. ..	75,068
	ii) In-paatients.	.. ..	2,23,613
3)	Students admitted during the year.	.. ..	40
4)	Students in the School.	.. ..	141
5)	Students graduated during the year.	.. ..	28
VIII -	**OCCUPATIONAL THERAPY DEPARTMENT :**		
	A) Patients treated at the Centre.	.. ..	69,389
	B) Treatment given to :		
	i) Students admitted in the school during the year.	.. ..	40
	ii) No. of students in the school.	.. ..	128
	iii) Students graduated during the year	.. ..	28
COLLEGE:			
	i) Total expenditure on Hostel.	.. ..	4,69,104.52

II) Revenue from Tution Fees, Hostel Rent. 8,41,422.00

III) Revenue from Post-graduate Fees. .. 2,87,025.00

STUDENTS:

	Male	Female	Total.
Ist M.B.B.S. (June 89 Amd.)	100	084	184
Ist M.B.B.S. (Causual)	024	012	036
IInd M.B.B.S.	195	196	391
III rd M.B.B.S.	156	141	297
IIIrd M.B.B.S. -Casual.	037	025	062
Interns.	095	076	171
B.Sc. (P.T.)	012	206	218
B.Sc. (O.T.)	041	233	274
Total	**660**	**973**	**1633**
Post-graduate students Including Research.	270	230	500
Total	**930**	**1203**	**2133**

OCCUPATION OF PARENTS :

1. Service. 109
2. Medical profession. 34
3. Misc. Occuption. 27
4. Legal Profession. 02
5. Engineering. 12

The king Edward VIIth Memorial Hospital & Seth Gordhandas Sundardas Medical College are functioning since 1925-26. The Hospital is the largest Civic Medical Institure in the city, fully Modernised and well equiped with various department. The G.S.M. College provides training facility in almost al the faculties of Medical & Surgery. Both the institutions are managed by the Dean with assistance o Medical Personnel of high repute and numberous para-medical and other staff will trained in the line

D E A N : Dr. G. B. Parulkar, M.B.B.S., M.S ,FACS, PAMS, FASC. (Retired from 1-12-1989.)

D E A N : Dr. (Smt.) P. M. Pai, M.D., D.C.H., F.I.A.P. (Appointed from 1-12-1989.)

Asstt. D E A N : Dr. (Smt.) S. R. Sotoskar, M.B.B.S.

Asstt. D E A N : Dr. G. R. More, M.B.B.S., M.D., D.C.H.

OCCUPATIONAL THERAPY SCHOOL & CENTRE :

Occupational Therapy Training School and Centre continued to progress satisfactorily inspite o sewere problems of space, equipments and staff. The school progressed well during the year 1989.

Staff members at present.	..	52
Students at present on Roll.	..	128
Students graduated during the year.	..	28
Students admitted in School for B.Sc. (O.T.)	..	40
Students admitted in the school for M.Sc. (O.T).	..	5
Students passed M.Sc. (O.T)	..	5
Attendence of the patients.	..	11,866
Total no. of treatment given.	..	69,389

Weaving, winding, printing, carpentary, tailoring work & other activities were given to the patients

as a part of their physical & mental restoration programme. Some of the needy patients were paid for the work as a part of thier vacational rehabilitation.

Weaving acctivities : Weaving & windings work was given to the patients. Patients produced handloom products like bed-sheets, towels, bankees, rug mats etc. This year the sale money amount to Rs. 12,915,00/- was credited to P.B.C. Fund of the K.E.M. Hospital.

Printing Activities : During the year Rs. 97,491.00/- worth priniting work was done & amount collected Rs. 31,480.00/- was credited to P.B.C. Fund of the K.E.M. Hospital

Splints : Total 929 splints worth of Rs. 22,287.00/- were prepared and given to the patients. The total amount recovered for these were Rs. 19,214.50/- which was credited to the P.B.C. Fund of the K.E.M. Hospital. This year 4 new Orthoplast worth of Rs. 1,800/- were prepared and amount was credited to the Imprest Account.

The academic activities of the department are going on progressively inspite of shortage of space, discrimination in payscales and lack of funds to purchase the equipments etc. On the whole the 1989 was a year of progress.

PHYSIO-THERAPY SCHOOL & CENTRE :

Physiotherapy School & Centre was started as a joint venture of Govt. of India, Govt. of Maharashtra and the Municipal Corporation of Greater Bombay. For the last several years, the entire cost is borne by the Corporation. Seth G.S. Medical College has been granted extension of affiliation by the University of Bombay for conducting courses leading to B.Sc. degree in Physical Therapy from 1967 and M.Sc. degree in Physical Therapy from June 1978.

Forty students were admitted in Sept. 1990. 141 students are undergoing undergraduate studies at present. 29 students appeared for the final examination during the year out of which 26 passed. Six students appeared for M.Sc. Physical Therapy examination out of which 4 passed. Nine students were registered for M.Sc. Physical Therapy during the year.

Several research projects are being continued at the E.C.I. Institute of Electrophysiology. Research papers dealing with clinical problems and of fundamental nature, were presented at the various conferences, both national and international.

LIBEARY DEPARTMENT :

The Library is being used heavily by all the categaries of usere and it is now becoming the heart of academic and research activities.

In view of the financial constrainte the Library is trying to have 'Resources Sharing of the Journals' with the other two Medical Colleges.

To have judicious selection of books from the limited grant for the books and also to expose the Library users to the latest publications in their subject fild regular book Displays are arrangd in the Library.

Xeroxing facility to the students and staff are extended for aademic purposes, This service has enabled the Library to deposit Rs. 32,855.50/- to the Municipal Treasury as we are charging for the xeroxing work.

10 MEDILARS Search were sent to the National Infromatics Centre, New Delhi.

One PC/AT IBM Compatible Computer has been acquired by the Library for house keeping of books & journals, correspondence with publishers for Journal subscription to begin with.

Financial Report of the Llabrary 1989.

1.	Allotted Grant.	..	Rs.	6,00,000.00
2.	Additional Grant.	..	Rs.	6,06,922.31

a) Including Rs. 1,50,000.00/- ear-marked for the purchsed of books for Departmental Library for the 1st.

3. Expenditure :

a) Subscription to 1989 journals	..	Rs.	42,751.45
b) Subsription to 1990 journals.	..	Rs.	8,33,516.35
c) Books for Central Library and Departmental Library.	..	Rs.	3,30,654.51
	Total	**Rs.**	**12,06,922.31**

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINS :

Principal Activities of the Department :

Teaching : Under-graduate, Post-graduate, Interns and Nurses.

Under-graduate Teaching :

No. of Field Visits	..	..	11
No. of Deadecti lecures : Clinical Clerkship :	..	..	100 hrrs.
Regular Clases	..	..	60 hrs.
Regular Classes	..	..	60 hrs.
Revision Classes	..	..	10 hrs.
No. of Demanstrations.	..	..	16 hrs.
No. of Seminars.	..	..	8 hrs.
No. of Practicle	..	..	10 hrs.
No. of family visits	..	..	10 hrs.

Post-graduate teaching :

Seminars, Journal Club, Lectures and Practicals.

Health Education :

1) Total No. of interns trained in the Health Education.	..	250
2) Total No. of Undergraduate medical students trained in Health Education.	..	400
3) Total No. of nursing students trained in H.E.	..	120
4) Total health deucation promotors trained in Textile mills.	..	96
5) Total no. of health promotors trained in Textile mills.	..	1250
6) Textile workers of M.O.A. and N.T.C. mills.	..	65000
7) Total Nos. of slum health education programme.	..	100
8) Total slum dwellers educated with help to valuntary organication.	..	12000
9) Total no. of Health promotors (for slum dwellers of Kamgar Kalyan Mandal trained.	..	150
9) Health education by way of mass media. - like (Television, Radio, Uncountable news paper articles, Magazine etc.		12 T.V. 2 Radio Programme.

NAIGAON AND LOWER PAREL COMMUNITY :

I : Universal Immunisation Programme :

1) Total population covered under U.I.P.	..	60,703
2) Total 0-5 years population covered under U.I.P.	..	4,936
3) Total 0-1 year population cover under U.U.P.	..	1,128

4) **Immnisation given :**

A) Primary :	I st does	373
	II nd does	215
	IIIrd dose	181
B) Measles.		299
C) Boosters :	1st dpse D.P.T.	478
	D. T.	240
	2nd dose. D. T.	548
D) Vit-A supplementation		2910
E) Inj. T.T. (Children above 6 years)		27

5) Health check up and tratment of children 0-6 years. 4936

6) Health Education to Mothers every 3rd Thursday. (Total 13 talks) 260

Name of the topics covered :

1) Personal Hygience.
2) Nutrition for pregnent Mothers and children.
3) Immunication.
4) Diarhoea & preparation of O.R.E.
5) Preparation of nutritions, dishes for family
6) Demonetration, 1 compitition.
7) Distribution of milk powder. 150 families.

II) Under Five's Clinic :

1) Total No. of families cover in Under Five's Clinic.	500
2) Total No. of students trained.	1644
3) Total No. of children treated in UFC.	2480
4) New Registration to K.E.M	197
5) Cases referred to K.E.M.	197
6) Distribution of oil (families) & milk powder. (families)	150 & 343
7) Home visit & follow up.	1827
8) Health Education to mothers.	1644
9) Parents motivated for family planning.	520

10) **Immnisation done in Under Five's Clinic.**

A) Primary :	1st dose	: 486
	2nd dose	: 415
	3rd dose.	: 349
B) Measles.	9 manths - 12 months.	
	1 - 3 years	
C) Boosters : 1st dose		248
2nd does		165
D) Vit. A supplemention.		302

E) Inj. T.T. to pregnent women

Total No. of camps organised in 1989 : Two

Total No. of children beneficicaries	270
Immunisation given	240
Dewarming	70

Water surveillance programme in K.E.M. & G.S.M. College.

1) Total No. of water samples collected	520
2) No. of water sample tested with for Chlorine content.	520
a) and found to have chlorine content mote than 0.5 P.P.M.	500
b) found to have chlorine content 0.1 to 0.4 PPM.	500
3) No. of water sample tested for colliform organisation.	9
a) and found to have no bactericlogical growth	8
b) with backtelogical growth (Irregular type II)	1

Universal Immunisation Programme.

		O- months	More 1 year
D.P.T.	1	5132	1034
	2	4669	910
O.P.V.	1	6161	1339
	2	5266	1048
	3	4834	898
D.P.T.	1st Booster	..	5817
O.P.V.	1st Booster	..	5852
T.T. (Pregnant Women			
	1	..	5636
	2	..	4301
B.C.G.	(0-1 year)	..	5920
	(Mora than 1 Year)	..	23
Measles	(0-1 Yrs.)	..	3347
	(More than 1 year)	..	1183
IInd Dooster.	(DT)	..	3614
	(O.P.V.)	..	3418
T.T.	(10 Yrs.) 2	..	965
T.T.	1	..	87
	(16 Yrs.) 2	..	2598
No. of under six years children given oral Vit-A		..	12,056

Report of programme for Preventive and control of Rheumatic Fevey and Bheumatic Heart Disese.

1) Programme implementation started from June 1989.

2) Departments involved in the implementation of the programme :
   a) Department of P.S.K.
   b) Department of Paediatrics.
   c) Department of Molecular Fiology.

3) No. of Doctors of School health department trained in the RPORND control programme.-	36
4) No. of nurses/health visitors trained. -	40
5) No. of schools teachers trained. -	1200

6) No. of children suspected to be suffering from more Throat/RF/RHD referred to school clinic by doctors, nurses and teachers. 540

7) No. of referred children Investigatted/trated of school clinic. - 460

8) No. of childen given health education - 900

9) No. of parents given health education - 1800.

Report of child health care camps organized by P.S.M. Deptt.

1) Urban Slums : Comprohensive child Health care camps were organised in collaburation with the local voluntary agencies in about 18 differnt aslums.

No. of children given health care services. - 5400

Follow up services are being provided to these children benificaries by monthly visits to the name committee.

2) RURAL AREAS : Comprehensise health care camps was organised in collaboration with PRIDE India in the community covered by about 27 villages in Mahad Talika, No. of children between-18 years provided health care service : 1501.

Follow up camp has been organized in March 1990.

MALVANI HEALTH CENTRE :

I : CURATIVE SERVICE. : O. P. D.		
Male.	..	8514
Female.	..	15745
Children.	..	12955
		37214
(B) UNDER FIVE'S CLINIC. :		
Children seen :	..	9277
O. R. S.	..	856
Refer to N. R. C.;	..	203
Health Education:	..	7289
Home Visits	..	360
(C) MOTHER CRAFT CLINIC. :		
Total Patients Regd.	..	1498
Follow up visit	..	4320
Home visits.	..	360
(D) SCABIES. :		
Patients.	..	490
Family members given bath. :		1041
(E) LEPROSY. :		
New Patients. :	..	57
Follow up treatment.	..	1015
(F) TUBERCULOSIS. :		
New pts. :	..	145
Follow up. :	..	1292
Home visits. :	..	564
T. B. Deaths. :	..	27
II : IMMUNISATION.		
.. O. P. V.	..	6564
.. D. P. T.	..	6724
.. Measles.	..	7161
.. B. C. G.	..	1189
		21,638

INJECTIONS O.P.D.		
.. T. T.	..	3169
.. T. T. (Mother Craft)	..	2439
.. Inj. Streptamycin	..	2758
.. Inj. Inferon.	..	4219
School Health Programme O.P.D.		
Periodical Health checkup.	..	6571
Health Education with demonisation.	..	9406
Vit-A.	..	6454
4) Camps. Dental camp.	..	881
Opthalmic camp	..	985
Family Planning. T.L.	..	178
Family Planning I.U.C.D.	..	140
Post. partum T.L.	..	056
		374
5) Pathological Investigation : Urine	..	5,786
Stool	..	90
Blood	..	8,893
Sputum	..	524
Malaria Slides	..	1,234
+ ve slides	..	7
6) Rehabilative Services For Socially Handicapped.		15

Total Urine	Albumin		Sugar	
	Trace	+	Trace	+
5,786	449	162	42	25

Total Stool.	Cyst. Bacteria Alect.
90	44

Total Sputum.	AFB-ve
524	25

Blood.	Hb below 10gm %
8,893	1,149

F/south diagnostic centre, parel

Sr.No.	Dose	O.P.V. Below 1 years	O.P.V. Above 1 year	O.P.V. Total	D.P.T. Below 1year	D.P.T. Above 1 year	D.P.T. Total
1.	I	556	061	617	556	061	617
2.	II	486	069	555	486	069	555
3.	III	489	057	545	489	057	546

Booster

B1	D.P.T.	429	D.T.	106	Total. 537
B2	-	-	D.T.	381	Total. 381

Others

Doses	Below 1 year	Above 1 year	Total
Measles	379	068	447
Vit.	-	-	1076
Health Education	-	-	3600

F-South Investigations

	Nos.	Percentage
No. of total Hb done.	2951	-

F/south Investigations :

Name of the Investigations.	Nos.	Percentage.
No. of Hb below 10 gms.	737	25%
No. of Unrine Ablumin done.	2636	-
No. of Urine Albumin +	659	25%
No. of Urine Sugar done	2717	-
No. of Urine Sugar. +	679	25%
No. of Urine microscopic done.	1324	-
No. of Urine Bile Salt & Pigment done.	1127	-
No. of Urine Bile salt & pigment. +	161	15%
No. of Stool done.	191	-
No. of Round worm.	87	46%
No. of Hock worm.	23	12%
No. of Amoebas.	81	42%
No. of Sputum done.	216	-
No. of AFB + ve.	-	-
No. of Semen done.	17	-
No. of motile sperms	-	-
No. of Immotile sperme	17	-
No. of RBCs done	10	-
No. of WBC (T) done.	2538	-
No. of WBC (D) done.	2538	-
No. of ESR done.	613	-

Mother Craft Clinic, Malavani Health Centre.

No. of patients. ..	1441	-
No. of Hb done.	1441	-
No. of pts. Hb. below 10 gms %	523	36%
No. of pts. Hb with 10 gms %	209	15%
Total no. of blood group done.	1441	-
Group - A	365	25%
Group - B	560	39%
Group - A B	109	8%
Group - O	462	32%
Rh-ve	85	6%
No. of VDRL done.	1502	-
+ VDRL.	14	1%

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 Hosital, at Juhu, Municipal Hospital at Malad, part at Santacruz Hospital Bhabha Bandra & Bhabha Kurla Hospitals.

Hospital Services :

Clinical lead of anaesthesia has increased during last couple of years while the dept. is extremely short of staff. However, the clinical work, Anaesthesia OPD services Accupunture clinic and Pain Clinic run by anaesthesia dept. worked satisfactorily.

Teaching Programme :

Teaching programmes for undergrauaes and post graduates students continued as usual. It was decided to conduct a local examination for all the candidates who are registerd direcly for M. D. Anaesthesia. This could be on give proper assesament of residents for giving independent work. It is also propose to conduct a prelime examination for all M.D. examination going candidates.

Anaesthesia dept. is facing an acute shortage of staff, monitoring facilities and anaesthesia ventilators. Monitorint & anaesthesia ventilators will help to improve the patient care & safety to greant extent. Within the available resouroes the administration was extremely co-operative with dept.

Phe-Operative check Up O.P.D. 7A :

Month.	Code No. From - to	Cases	New Cases	Old Cases	Total	HB Alb	Urine Sugar
Jan.	—	750	150	900	106	106	106
Feb.	—	601	100	701	160	160	160
March	1 -790	811	50	861	180	180	180
April	791 -1614	825	9	834	263	263	263
May	1615 -2460	815	17	832	266	266	266
June	2461 -3388	900	101	1001	325	325	325
July	3389 -4085	762	110	872	223	223	223
Aug.	4086 -5017	942	105	1047	261	261	261
Sept.	5018 -6880	970	158	1128	240	240	240
Oct.	6881 -7535	715	101	616	222	222	222
Nov.	7536 -8583	993	124	1117	278	278	278
Dec.	8584 -10074	853	133	986	208	208	208
Total		**9,937**	**1,158**	**11,095**	**2,732**	**2732**	**2732**

Accupuncture O. P. D.

Month.	Old Cases	New Cases	Total
Jan.	100	9	109
Feb.	80	10	90
Mar.	120	13	133
April	158	11	169
May	104	5	109
June	116	8	124
July	60	7	67
Aug.	68	12	80
Sept.	84	7	91
Oct.	68	5	73
Nov.	60	4	64
Dec.	68	2	70
Total	**1,086**	**93**	**1,179**

ARTIST SECTION :

The following work is carried out in the department during the year - 1989.

1)	Patients photographs.	2697
2)	X-ray films exposed.	6804
3)	Specimen etc. exposed.	852
4)	Book pictures charts, Graphs, typed matter and other material.	8411
5)	Stencelling charts, graphs drawing etc.	780
6)	Function's photographs.	575
7)	Slides prepared.	15207
8)	Prints prepared.	8109
9)	Colour photographs taken	385
10)	Microphotographs taken	1112

MEDICAL RECORD DEPARTMENT :

The Schedule bed strength during the year was 1,615. There was constant over crowding in the hospital, particularly in children wards, and in the female surgical & Medical wards and Orthopaedic wards, even after strict scrutiny and restriction on routine admissions.

Death Classified : Out of 4518 deaths 941 died within 24 hours of admission, 703 after 24 hours but within 72 hours of admission and 2874 after 3 days or more from the date of admission. The figures are exclusive of 9 still births, prematurity and Neonatal deaths. Deaths rate was 7.26% against 7.35% during the last year.

Confinement and Abortions : Total no. of confinrments was 3954 and that Abortion was 941 (Including M.T.P. also).

Medico Legal Cases : Resident Medical Officers attended the various courts for giving evidence in 645 Medico-Legal cases, as follow :

Metropolitan Magistrate Court :	352	Labour Court :	35
Coroner Court :	6	Juvelian Court :	2
Session Court :	30	M.A.C.T. :	200

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

I)	Opinion & Fitness.	19,580
II)	Compensation.	228
iii)	Insurance.	262
iv)	Injury.	215
v)	Injury to Police (Free).	1298
vi)	Municipal Staff.	9,528

Anti-Rabic Vaccination givven during the year :

Post-Mortum Notes : 260 P.M. Notes were issued to the different Police Stations and Coroner's Court during the year as under :

a)	Police stations.	205
b)	Coroner's Court	55

Total collection of OPD/IPD Forms, 4th Delivery Charges and Ward Collection Is as under (1-4-89 to 21-3-90)

Rs.

I) O.P.D. Collection.	..	18,16,245.00
II) I.P.D. Collection.	..	5,49,750.00
III) 4th Delivery Charges.	..	7,950.00
Iv) Ward Collection.	..	10,14,930.00
Total	..	**33,88,875.00**

SOCIAL SERVICE DEPARTMENT :

The Social Service Department of the K.E.M. Hospital was strted in 1954. At present there are 15 medical social workers.

The following are the notable activities of the Social service Dept. In addition to the routine activities.

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

2) Medical Social Workers arranged various entertainment programmes, Film Shows, Diwali, Christmas celebrations, Educative talks & outings for the patients.

3) Free food to Indoor patients relatives, who are from out of Bombay, milk powder, old clothes, fruits in wards, biscuits to patients and their relatives given through charitable organisations.

Miss V. Goswami supervised student Social Workers from Test Germany. Mrs. D. Zhaveri, Mrs. V. Naik, and Miss V. Goswami attended Conference on 'Crisis Interventions Management' at Tara Institute of Social Science, Chembur, Bombay. Miss V. Goswami attended 'Education Programmes on AIDS at J. J. Hospital and Seminor at Children's Orthopaedic Haji Ali Bombay, on Existing Govt. Facilities for the Desabled' She gave a talk at Tata Institute of Social Science on 'Situation of all kinds of handicapped in India and programmes in Maharashtra. She Spoke at L.T.M.G. on' My experience working with paraplegics'.

Mrs. A. P. Shah's paper on 'Community need community people' was accepted by Indian Society for the Rahabilitation, Jabalpur. She to attended 'Existing good facilities for the Disabled' at Children's Orthopaedic Haji Ali, Bombay.

Mrs. A. C. Dalvi, who was working as a Medical Social worker took valuntrary retirement and in her place S. Jena, was appointed. Mrs. A. C. Dalvi was a very active and enthusiate worker which our dept. will miss.

The old patients come regularly to the Social workers for follow up for services like case work, medical aid and rehab. etc.

The total number of new cases referred to the Social Service Department is 5,796. (from Jan. 89 to Dec. 89) Those are Further classified. According to the different types of services rendered.

1)	Material aid (medicines, appliances for heart sugery, Kidnsy Transplant, mild powder, clothes & prosthesis etc.) and overstay assessment.	..	3,390
2)	Case work & rehabilitation.	..	1,192
3)	Follow up.	..	321
4)	Rehalation and Refering to ther Agencies.	..	331
5)	Discharge.	..	321
	Total	..	5,975

SETH DHURUMAL BAJAJ ORTHOPAEDIC CENTRE & RESEARCH INSTITUTE

Principal Activities of the Department.

Teaching : Under-grauate.
-Every day tutorials.
-O.P.D. Clinics.
-Ward rounds.

Post-graduate :

-Spine Update Meeting.	-Alternate month.
-Trauma Update Meeting.	-Alternate month.
-Spine Radiology Meeting	-1st Monday of every month.
-Spine Neurology Meeting.	-1st Wednesday of every month.
-Lectures.	-Lecture programme.
Clinics.	-Dr. R.S.Dhir. -Thursday.

Clinical Services : Nature of diseses treated in Department.

1)	Conginital.	CTEV.
	..	CDH
	..	Pseudo Tibis.
	..	Scoliosis.
2)	Traumatic.	Fracture/dislocation of extremities & spine.
	Associasted Complications.	Neurological.
	..	Chest, Abdominal, Vascular.
3)	Degenerative.	OA Knee.
	..	LCS/Disc.
	..	L & C spondylisis.
4)	Infections.	Osteomyelitis.
	..	Tuberculisis of bones & joints & Spine.
5)	Neoplastic.	Benige-ABC, Exostosis etc.
	..	Malignant-Primary : Plasmactytoma. Multiple myelome etc.
	..	Metastasis.
6)	Special Surgeries :	Tumour reconstructions.
	..	Palliative surgery for metastatic deposits in the pine with cord compression.
	..	Muscle pedicle BG for non uniton TC fracture neck femur.
	..	Occipito-cervical stabilizations using Hartstill rectangle.

In the month of March 1990-department received sanction of 40 Beds additonal beds to facilitate to develop subspeciality in the department.

This department organised Spinal Surgery Demonstration Workshop from 1-4-90 to 6-4-90 in which 50 delegates participed All the surgeries were covered on video and recorded cassettes are being editted for future reference.

Research :

"Use of Fibrogamen (Factor XIII) Injections for Healing of nonunions of tibia and femur fractures in collaboration with Hoechst Pharmacoutical West Germany "Dr. R. S. Dhir & P. B. Bhosale.

(4) No. of New & Old O.P.D. Cases treated ruting the Year :

New O.P.D. cases		:	29,177
Old O.P.D. cases		:	38,447
(5) No. of admissions during the year		:	4,447
(6) No. of Operations or procedures carried out :			
Routine Operations done. :	Major	:	683
	Minor	:	355
Emergency Operations done :	Major	:	1482
	Minor	:	4511
(7) No. of Investigations carried out in Laboarory :			
Total working days.		:	297
Total blood collection		:	30552
Total Blood investigations		:	10067
Total Blood Collection		:	2439
ESR		:	7634
HB		:	7634
WBC - Total		:	7634
WBC-Diff		:	7634
Bl. Time		:	1
Clothing time		:	1
NF		:	14
Total Urine Collection		:	5098
Total Urine Investigations		:	10196
Rediciogical Investigations :			
Old X-Rays. Total		:	14555
New X-Rays. Total		:	19505

DEPARTMENT OF OBSTETRICS & GYNAECCOLOGY.

Obstetric Cases and Operations :

Total No. of Confinements.	..	..	3954
Total No. of Deliveries.	..	..	3839
Abortion	..	..	115
Registered Cases.	..	..	3571
Emergency Cases.	..	..	268
No. of premature deliveries	..	..	228
Normal Deliveries.	..	..	3070
Abnormal Deliveries.	..	..	769
Lower Segment Caesarian Section.	..	..	336
Vacum	..	..	89

Forceps	.. ..	113
Breech.	.. ..	61
Face.	.. ..	16
Twins	.. ..	41

MORTALITY :

Total No. of Still birth.	.. ..	113
Total No. of Neonatal deaths.	.. ..	110
Total No. of Premature deaths.	.. ..	223
P.N.M. Rate.	.. ..	58/1000 births

Maternal Mortality :

Total No. of Maternal deaths.	.. ..	30
Booked.	.. ..	3 20%
Emergency	.. ..	24 80%
N. M. R. Booked	.. ..	168/100000
M. M. R. Emergency	.. ..	8955/100000

Course of Death :

Directs :	Haemorrhage	.. ..	5
	Sepsis	.. ..	5
	P.I.H.	.. ..	3
	Other	.. ..	1

Associated :

	Heart disease	.. ..	5
	Hepatitie	.. ..	3
	SLE	.. ..	1
	Anemia	.. ..	6

Unrelated.

OBSTETRICS OPERATIONS :

Total No. of obstetrics operations.	.. ..	4137
Major Operations	.. ..	2329
Diagnostic laparoscopy. ..	.. ..	1010
L.S.C.S.	.. ..	336
M.T.P. with laparoscopy.	.. ..	316
Abdominal T.L.	.. ..	304
Lap. Sterilisations	.. ..	315

EXPLORATORY LAPUROTORY FOR :

1) Ictopic prognancy	.. ..	48
2) Tubo Ovarian Mass	.. ..	8

3) M.T.P. Performations	.. ..	4
4) Obstetric Hysterectomies	.. ..	4
5) Twisted ovarian cysts.	.. ..	2
6) Rupture of uterus (Suturing of uterine teus)	.. ..	2
Cvum Pick up.	.. ..	39
Exchange transfusions of blood for the neonates	.. ..	26
Incision and Drainage of pelvic Abscesses	.. ..	7
GIFT	.. ..	3
Hysterotomies T.L.	.. ..	2
Vaginal Re-exploration of Post Hyst. Ek Blood	.. ..	2
MINOR OPERATIONS :		**1759**
Check cureattage	.. ..	818
Delatation and curettages	.. ..	416
Emeredyl Instillation for IInd Trl. M.T.P.	.. ..	132
M.T.P.	.. ..	124
Sec. Suturing	.. ..	68
Cervical Biopay	.. ..	54
Cerclage for Incompetent cervix	.. ..	46
Hysterosoopies	.. ..	23
Bartholin's cyst excisions	.. ..	14
Vesicular Mole evacuations	.. ..	11
Exainations under anaesthesia	.. ..	9
Cryosurgery	.. ..	7
Internal Podslic versions.	.. ..	5
Chorimic Villi Sampling	.. ..	5
Menual Removal of Placenta	.. ..	5
Cervical Cutettage	.. ..	4
Vulval Bippsies	.. ..	3
Laminaria Tent Insertions	.. ..	3
Removal of Embedded IUCD	.. ..	3
Change of veginal mould	.. ..	2
Miscellaneous.	.. ..	49
GYANECOLOGICAL CASES & OPERATIONS :		
Total No. of Gynaecological Operations.	.. ..	1166
Vaginal hysterectomy.	.. ..	708
Abdominal hysterecctomy.	.. ..	168
Exploratory Laparotomy.	.. ..	38
Tuboplasty	.. ..	61
Purander & cervicopexy	.. ..	27
Shirodkar & Vaginal Repair	.. ..	24

Westheim's Operation.	17
Ovarian Cystectomy	16
A. P. Repair.	14
Burch's Repair	12
Fothergill's operation.	9
Kelly's Repair	8
Shirodkar' sling.	6
SUI Repeir.	5
Vault prolapse	4
Incisional hernia.	5
V. V. P. Repair	3
Ras Repair	3
Lefort's Operation	3
RVF and III Perineal tear.	3
Vagino-plasty	2
Miscelleneous.	6

No. of the Investigations carried out in
Dr. N. A. Purandare Gynaec & Obstetrics Research Centre & Cytology Laboratory.

Blood collection for Hb, Blood Group and V. D. R. L. for antenatal patients.	3399
Haemoglobin estimation for antenatal patients	3472
Haemoglobin estimation for M.T.P. patients	297
Haemogram for Wared patients	4469
V. D. R. L. investigation	8650
Blood collection for Gynaec patients only for biochemical test	3365
Semen analysis	1547
AID samples given	1124
Blood grouping	6639
Rh antibody titre	271
Coomb's test.	266
Amniotic fluid gental maturity	12
L/S Ration	18
Spectrophotometry.	4
Urine Pregnancy Test.	796
4 hrs. urine albumin	43
T. T. C. in urine	28
Blood Sugar	5774
BNN.	3337
Creatinine	1883
Total proteins	1788
Albumin	1788
Uric Acid	1706

Biltrubin	1726
SGOT.	1726
SGPT	1726
Fibrinogen.	86
Urinary Orestinine Clearance	5
Glyecserated Hacmoglobin	63
Toxoplasma. Jgm.	536
(Serodlagnisis) Igm.	536
Chlamydia IgG. (Serodlagnosis)	235
Prothromin Time	21
Platelet Count.	105
RBC Count & Norphology	49
Diff. Cell Count	328
Blood cell Indices.	25

CYTOLOGY :

No. of patients attending Gynace O.P.D.	8918
No. of patients attending Antenatal O.P.D.	3450
No. of Miscellenous patients	547
Total	12915
No. of abonormal smears	125
Mild Dysplasia	11
Moderate Dysplasia	2
Severe Dysplasia	14
Carcinoma In Situ	5
Microinvasive carcinoma	1
Invasive carcinoma (clin-ve)	16
Invasive carcinoma (Clin +ve)	76
No. Specific Inflammatory Semars :	
Herpes.	7
Condylloma	42
Tuberculosis	9
Chlamydia	62
Trichomonas	337
Monilia	853
No. Endometrial Aspiration Smears	37
No. of Colposcopies.	87
Normal	42
Abnormal	45

POST PARTUM PROGRAMME SECTION :

Tubectomy. 1007

Vasectomy. 21

I. U. C. D. 775

Oral pills packets. . . . . .934 packets.

Condoms pieces. . . . . 44480 Pieces

M. T. P. 941

	O. Pills	IUCD	ML	Mu	LP
Total No. of new cases.	75	773	-	-	-
No. of cases continuing at the end of the year.	520	3751	784	96	246
No. of cases closed.	60	358	32	4	4

Total no. of Laparoscopic camps. 7

Total no. of Lectures in Comunity 11

O. P. D. Attendance :

Total No. of Gynaec O. P. D. Patients. 12,538

Total No. of Gynaec Indoor patients. 3,229

Total No. Obst. O. P. D. Patients. 4,694

Total No. of Obst. Indoor patients. 7,466

SPECIAL CLINICS :

Family Planning, Leucorrhoea clinic, Cytology, Oral contraceptive centre, IVF-ET.

Special Equipment :

The Laboratory is equipment with two spectrophotometer a matalar precision balance, Laboratory and regrigerated Centrifuge, Thin layer chromatographaccessories, Microscope, Vertex mixer, Colposcope, Ovan Incubators, Autoclave, Cautary machine, Hystroscope, Laparoscopes, Slide Projectors, Fetal monitor, Ultrasound Machine combined with Radiology Department.

Achievements and New Pacility Created :

Set up a Microsurgery Lab as a part of Centre of Excellence established at K.E.M. Hospital under the suspecious of Govt. of India, AVSC & UNFRA.

AWARDS :

Feliciationn for outstanding work in Obet. & Gynaco-K.E.M. Hospital and Seth G. S. Medical College, Award received to (1) Dr. M. S. Bhottacharya (2) Dr. S. S. Sheth (3) U. R. Krishna.

Best scientific paper prise received to Dr. V. S. Salvi, Lecturer, at All India Obstetrics & Gynsecological Conference' - Mysore, for 'Destructive Operations in Obstructed labour' January-1989.

C. V. T. C. LABORATORY :

The Cardic-Vascular & Thoracic Centre Laboratory has following sections :

1) Clinical Pahology.

2) Clinical Biochemistry.

3) Histopathology.

4) Research Section.

The tests which have been a carried out in the Laoboratory during the year, 1989 were as follows

I) CLINICAL PATHOLOGY :	No. of Samples.	No. of Tests.
a) Complete Haemogram.		
(Haemoglobin, RBC,) Total & differenctial count & ESR)	11270	56350
b) Mararial Parasites	65	63
Lupus Erythematours	21	21
c) Routine snalysis of Urine, Stool, Sputum & Body fluid including microscopic examination.		
Urine.	3632	10396
Stool.	1581	3162
Sputum.	2690	2690
Pleural fluid.	128	128
Total :	19387	73312

II) A) BIOCHEMEICAL SECTION :	No. of Samples.	No. of Tests.
Liver Fonction Test	6651	33255
Alkaline Phosphatase.	97	97
Prothrombin Time	2941	2941
Clotting Time.	244	244
Bloding Time	35	35
Serum Glutemic Oxalacetis Transaminase	7706	7706
Serum Glutemic Pyruvate Transaminase	7706	7706
B) Carbohydrate metabosism.		
Blood Sugar.	8740	8740
Urine Sugar.	680	680
C) Kidney Function Tests.		
Blood Urea Nitrogen	10296	10296
Creatinine.	2355	2355
Uric Acid	89	89
D) Serum Electrolytes. (Soduim, Potasium & Cholorides)	22537	67611
Calcium.	92	92
P. O.	57	57
	No. of Samples.	**No. of Tests.**
Bilurubin.	47	47

R. A.	247	247
Misc.	13	13
RBC Plet.	102	102
Total :	**70635**	**142313**
Grant Total :	19387	73312
	70635	142313
	90022	**215625**

BIOCHEMICAL SECTION :	**No. of Tests.**
Cholesterol.	3056
HDL Cholesterol.	2845
VLDL Cholesterol.	2842
LDL Cholesterol.	2842
Triglyeerides	2950
Tripoprotion Electrophoresis.	2581
Protein Electrophoresis.	141
Creatine phosphokinase C P K.	133
C P K Isoensymes.	96
Lactate dohydragenase.	150
Urine V. M. A.	144
Fibrinecen A I.	67
HDL2	192
HDL3	192
APO B	1564
APO A	1564
Total :	**21259**

IMMUNOLOGY SECTION :	**No. of Smples.**
Immunoglobulin	
IgG	246
IgG	181
IgM	181
COMPLEMENTS	
C3	323
C4	28
Alfa Pato Protein	
AFP	40
C. Reactive Protein	
C R P	151
A S L O	199
T. Cells Count.	14
Cryoglobulin.	12

C S P - Ig		14
C S P - CRP		32
Anti. T. T. Antibodies.		4
Broncho Alveolar Lavage Cytology.		36
	Total :	**1461**

HISTOPATHOLOGY SECTION :

1. Surgical Slides Prepared.	1837
2. Autopey speimen received	409
3. P. M. Blodes stained.	11999
4. Cytology Slides stained.	576
5. Speical stains on P. M. & Surgical.	470

IMMUNOLOGY DEPARTMENT :

Routine work :

Serum Immunoglobulin G	246
-"- -"- M	181
-"- -"- A	181
Complement third component.	323
C4	28
C-Reactive Protein	151
ASLO	199
CSP IgG.	14
Alphafetoprotein.	40
T. Cell Counts.	14
Cryoglobulin detection.	12
CSP CRP	32
Antitetanus antibodies.	4

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

Principle activities of the Department:

Teaching:

Undergraduate teaching programme: Clinics, case presentation daily.

- O. P. D. patients.	Daily.
- Lectures.	Twice a week.
- Seminars, Clinic.	Monthly, weekly.
- Video session	Teaching.

Post-Graduate: Clinic, seminars.
- Journal club once a week.
- Video sessions twice a week.
- Temporal bone dissection session.

Clinics: CSOM, vertigo.
- Head and neck cancer/swelling.
- Tonsillitis.

- Deafness.

Research : 1) Styloid process in 'T' plasty.
2) Meniere's diseases.

4) No. of new & old cases during the year.

	Male	Female	M/Child.	F/Child.	Total
New	8823	6141	2085	1660	18664
Old	13248	9211	3127	2490	25960

5) No. of admission during the year :

	Male	Female	M/Child.	F/Child.	Total
Dr. S. B. Ogale	702	498	159	139	1498
Dr. M. V. Ingle	569	413	176	129	1285

6) No. of investigations carried out in the laboratories:

No. of Audiogram	3669	Follow up	:	2306
Special Test	1811	Impedence	:	389, Clycerol : 200
		(Machine not working from April to Oct. 89.)		
Speech cases	187	Follow up	:	1123

7) No. of Operations or procedures carried out : 2334

TUMOUR CLINIC:

This clinic has only out patient activity only. It is run by Dr. C. V. Patel, M. S., P.R.C.S. (Prof. of Surgery) on monday from 12.30 p.m. to 1.30 p.m. The ativity of clinic consists of

i) Follow up to malignancy case.

ii) Planning treatment of malignancy cases &

iii) Treatment of advanced cases.

On an average 250 patients are seen in outpatient department and about same number of indoor patients are opined on annually. There is no financial grant for the Clinic.

DEPARTMENT OF MEDICINE :

January-December 1989, 691 admissions were 284 Tetanus, 407 patients.

A beark up to the specific conditions are listed below. The acute problems requiring attenition included shock, renal failure, status apilepticus, coma, respiratory failure, disbetl ketoacidosis, parenteral, coma, respiratory failure, diabetic ketoacidosis, parenteral alimentation, disserminated intravasouls Coagulation, acute pulmonary edema. The Unit has the following facilities for cars of critically ill patients-Pressure respiratore, volume cycled ventilator, cardiac monitore, monitor for pressure menitoring.

Disease	Survied/Total	Morthlity
Tetanus.	184/284	35.2
Hapat.	15/42	64.3
Septicemis.	29/49	40.8
Poisoning.	58/79	26.6
Disease	**Survied/Total**	**Morthlity**
Obst./Gyn.	19/30	36.7
Coma status Spiliepticus.	12/41	70.7

Resp./Card. arrest.	2/16	87.5
Snake bite.	5/7	28.6
LVF	12/28	47.2
Shock	9/17	47.1
Other than septic shock.	4/16	75
Misc.	48/82	41.5
	397/691	**42.55**

Principle activities of the department :

Teaching : Teaching the nurses, physiotherapy and occupational therapy students, undergraduate and postgraduate students of dept. of medicine.

Under-graduate : Students rotate through the department in 3 phases. Jr. Clinical, 1st and 2nd medicine terms. During the junior clinical cotating term of about 2 month, three lectures a week on incitiation into the subjects are conducted. About 10-12 lectures a week are also conducted during the 2nd medicine term of 2 months. In addition, during all the above terms students a reexpected to be in the wards for minimum or 3-4 hours daily during which individual unit teachers conduct Bed side clinics, emergency medical care and procedures etc. Some units conduct weekly seminar on certain topics.

Post-graduate : 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. Beside that individual unit have separate journal Review/Death conference as an extra activities at unit level. Beside unit teaching activities there is a departmental combined teaching activities. This includes postgraduate clinic on Tuesday and weekly medical conference every Wednesday. In both, the postgraduate students present and discuss the cases. On Thursday interesting clinical material from different medical units are presented and discussed. On Friday, there is a postgraduate disseration cell meeting is conducted. In this meeting the postgraduates are guided for their disseration work. On the same day, there is a journal club by the department of medicine.

Clinical : The department has six independant units which conduct out-patient days and have indoor beds for management of the full spectrum of diseases in internal medicine. In addition; specialised sections include weekly Rheumatology and Geriatic clinics. Specialised indoor facilities include a tetanus ward and a six beded intensive medical care unit which is manned round the clock. In addition, the department has fullfledged Radio-isotope laboratory which carries out different diagnostoic work up for indoor as well as outdoor patients of entire hospital.

No. of new and O.P.D. cases treated during the year :

	New O.P.D. cases.	
Medicine. (General) ..	40,027	
Rheumatology & Arthritis.	497	
Geriatric.	260	1820
Nuclear Medicine Endocrine OPD		

No. of admission during the year to the department : 15,535.

No. of investigations carried out in the laboratories. (Nuclear Medicine Lsb. 43.)

A) Scintigraphy	Dynamic	Static	Total
1) Liver scan ..	153	+ 864	1017
2) Hepatobiliary scan.	--	392	392

3) Brain scan. ..	12	+ 79	91
4) Bone scan. ..	69	+ 685	754
5) Renal scan. ..	194	+ 207	401
6) Renal suphjur colloid.	108	+ 208	316
7) Bone morrow scan.	--	41	41
8) Gated blood pool.	--	30	30
9) Myocardial perfusion.			
a) Thllium ..	--	24	24
b) TBI ..	--	90	90
10) Ascitic scan. ..	4	+ 4	8
11) Git blooding. ..	--	+ 6	6
12) Gastric emptying time.	--	6	6
13) Deep Vein thrombosic.		2	2
14) Gastroesophageal reflux	--	18	18
15) Thyroid scan (T ce)	--	126	126
16) Miscellaneous. ..	--	8	8
			3330

B) Thyroid Function tests :

Radioiodine uptake tests 731

Radioiodine thyroid scan. 378

Radioiodine therapy. 105

C) ENDOCRINE OPD ATTENDANCE :

Old patients. 3,592

New patients. 1.971

DEPARTMENT OF SURGERY :

Principal Activities of the Department :

Clinical : The Department has six Independent unite which conduct out patient clinics once a week and have Indoor bed for management of the fullspectnum of diseases in general surgery. In additions, specialised sections include weekly on cology, Sport Medicine, Ano-rectol, Gastroenterology Surgical Clinics and Dermate Surgical Clinics. The department also runs the diagnostic and therapeutic Gastroenterological and Urological Endoscopy & Lasaroscopy services on OPD as well as Indoor basis. It runs a round the clock emergency andoscopy service. The dept. has a six bedded Intensive Surgical Care unit and two bedded anasthesia recovery room. It manages a resuscitation word consisting of 10 beds for acute surgical emergencies, an observation word of 10 beds & a minor surgery department.

It was a Isolation Word of 4 beds, for patients requiring Isolation care.

It helps to run the Casualty services and maintainsnce OPD Dressing Department.

Besides this there are 4 operation theatres vis. Jan Mohd Operation Theatre, Minor Surgery Opration Theatre and Isolation theatre.

Experimental Surgery : The Department has a fulfilledged experimental Surgery Laobratory in which all the 6 units conducts various research projects.

Teaching : This includes teaching to the nurses, physiotherapy and occupational therapy students,

undergraduate and post-graduate students of Dept. of Surgery. It also runs PG Clinics where all the Bombay University M. S. Students attend.

Undergraduate : Studnents rotate through the department in 3 phases. I) Jr. Clinical Ii) 1st Surgery and iii) 2nd Surgery term.

During the Jr. Clinical therm the students are introduced to the words and about 2 month 2 lectures a week are taken. They are taught the art of history taking and basic clinical exams.

For the 1st surgical term students are posted in a particular unit for aperiod of 3 months. They are taught 10-12 hours a week and teaching includes Clinical surgery such as bedside clinics, surgical pathology instruments and operative surgery.

In the 2nd surgical tern 10 lectures a week are hold to cover the theoretical aspect of surgery. Besides this the clinical teaching in the wards continues with regard to routine and emergency surgical care. They are expected to attend emergency once a week through the surgical term, and operation theatres once a week.

Post-graduate : Every unit has a postgraduate teaching round which is conducted 3 times a week. The postgraduates are also taught in the operation theatre and a majority of the operations are performed by the postgraduates under the supervisonon of the staff. Besides, this individual units have separate journal review sessions. Besides. unit teaching setivities there is a departmental combined teaching programme which includes weekly conferences on every Thursday in which a units is either asked to review common clinical topics or it presents few interesting clinical cases with a review of literature and discussion. We hold a monthly Death Conference to discuss the deaths during the month. In addition to this the students are taught on either clincial cases of surgical pathology, Rediology, Operative Surgery anatomy and other relevant specialities. Each student is expected to present dissertation to the University before M. S. Examination under the guidance of his P. G. Teacher.

No. of New and Old cases treated during the year : 23,212.

DEPARTMENT OF NEPHROLOGY :

Principal Activities of the Department :

Training :	Under-graduate :	M.B.B.S. physio and Occupational Theraphy.
	Post-graduate :	D. M. & Diplomate of National Board In Nephrology and M.D. Medicine. M.Sc. Ph.D. (Applied Biology)

The Department was recognised as an independent postgraduate department for D.M. Course in Nephrology and since than a total of 4 students have completed and 6 students have registered for D.M. course in Nephrology. Besides this of 5 of them are being trained for Diplomate of National Board in Nephrology. The staff members are involved in teaching the M.B.B.S. & Physio and Occupational sessions for them. The training programme for nurses, technicians and students of biotechnology from other Institutions is being conducted as usual. There are 7 students doing M.Sc. and Ph. D. with Dr. V.N. Acharya.

CLINICAL :

The department carries out its O.P.D. service in the following 4 outpatients that it runs:

1) The Renal Clinic an important component which looks after the preventive aspects of renal disease and renal failure continues to run by appointments on Monday.

2) The special Renal Diabetic Clinic continued to be run once a week on Thursday afternoons

and has been proved very useful in prevention and early detection of diabetic renal diseases. In addition two more outpatient section have been started functioning in the department.

3) The Nephrology O.P.D. is run on Tuesday morning between 9.30 a.m. to 12.30 p.m.

4) 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 profile of these patients is obtained on regular basis for renal package studies. being carries out by Lab. No. 44 as in the previous study year.

The indoor patientsof the department have a total of 34 beds assigned between Ward No. 34, 34-A, Wd. No. 12 and Wd. No. 4.

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

A total of 6970 patients were seen in the above various outpatient clinics run by the department, the breakup of which is as follows.:

	New	Old.
1) Renal Clinic & Renal Diabetic Clinic. ..	371	2980
2) Renal Transplant Clinic. ..	19	621
3) Nephrology O.P.D. ..	812	2167
..	1202	5768

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 and sensitivity. 3218
   a) Mid-stream and uring and cathether Samples. 3081
   b) Bladder puncture samples. 137
2) Blood culture. 145
3) Peritoneal dialysis fluids. (Pre. & Post.) 621
4) Miscellenous cultures. 615
   a) Catheter tip. 143
   b) Ascitic fulid. 34
   c) Swabs from no unds. 426
   d) Pleural fluid. 12
5) Immunoglobulins (IgG, IgA, IgM). and Complement (C3&C4) estimation. 150
6) Australia Antigen and Australia Antibody Detection. 292

No. of operations or procedures carried out if any :

Minor Operations. :	Kidney biopsies.	249
	Fine Needle Aspiration Cytology (FNAC) ..	160
	A-V shunts. ..	230
Major Operations. :	Hemodialysis. ..	2918
	Peritoneal dialysis. ..	317
Total. ..		3235

lasmapheresis. .. 22

Very major Operations : Kidney transplantations. : 19

These patients on an average needed dialysis for a period of 3 1/2 months in prepartion for transplant and were looked after in the Intensive Care Unit of Wd. 34-A for a period of 3-4 weeks each after transplant.

DEPATMENT OF GASTROENTEROLOGY

Principle activities

a) Teaching :

Under-graduates : The department participantes in the lectures series for undergraduate students as part of the programme of the Dept. of Medicine.

Post-graduate : The department participates in the lectures series beside clinics and clinical conferences under the Dept of Medicine Programme. In addition, we conduct bedside clinics histology, Medico-surgical and radiology sessions, journals club and subject review sessionservery week for the post-graduate and postdoctoral students in the Department of Gastroentorology.

b) Clinical Services :

All diseasce pertsining to the gastrointestinal tract and hepatobillary system are treated in this department. Liaison with G.E. Surgeons and radiogists has made possible surgical and interventional rediological procedures as well.

Specialised services offered include all upper and lower G.I. endosoopic procedures (routine and emergency) including esophageal variceal sclerotherapy and ERCP.

c) Research :

1) Evaluation of Liv. 52 in chronic liver diseases.

2) Evvaluation of essential phospholipide in alcoholic liver diseasse.

3) Evaluation of B blockers in the prevention of variceal bleeding.

4) Effect of lectobacillies on C. pylori associated acid peptic deseasses : an in-vivo study.

5) Effect of collocidal bismuth on NUT.

6) Effect of Isosorbide-5-mononitrate in extrahepatic portal hypertension.

7) Evaluation of Measacol in ulcerative colitis relapse.

8) Gastric luminal and mucosal flora in health and disease.

9) Correlation of plasma-Ascitic flud albwain gradient with wodged hepatic venous pressure in alcohclic liver disease.

10) Evaluation of quinfamide in amebic cyst passers.

d) O. P. D. Cases :

New : 1843

Old : 2050

e) Admisssions. : 291

f) Laboratory investigations :

Ha ogram, liver function tests, serum smylase, routine stool & urine examination, facal fat, D-xylose

absortion tests, done by attahed laboratory for the department.

g) Procedures :

Upper G. I. Endoscopy (Disgnostic and therapeutic)	:	3220
ERCP (Diagnostic and therapcutic).	:	120
Laparoscopy.	:	5
Signodoscopy.	:	200
Colonoscopy.	:	27

DR. J. C. PATEL, DEPARTMENT OF HAEMOTOLOGY :

Department continuous to offer its useful services to patients, majority of whom are referred from various departments of the hospital, other hospitals from the city and from all over the country. There were 141 indoor and 5068 OPD patients. Large number of investigations were carried out. Teaching and Research activities of the department are prograssing well. There were nine research projects during the year; three have been complected while six are still on going. Staff members and students presented 8 papers at 3 different conferences during the year. Dr. B. C. Mehta continuous to be the Vice-President of International Society of Heamatology. Asian Public Division and Editior of Indian Journal of Haematology. He also is President of Bombay Heamatology Group. He delivered nine lectures at various conferenes and Medical Colleges in the Country. For P. G. students particlpated in the Essay Competition organized by Bombay Heamatology Group. Dr. Parab passed his M. D. Exam. and Miss Yogin Patel was swarded Ph. D Thesis, Miss Goral Mehta was awarded her grant by Birla Smarak Nidhi of Bombay Hospital which enabled her to go to Royal Post-Graduate Medical School, London to receive training in quality control in Haematology. Nine papers were published in Scientific Journal. Dr. Mehta has been invited to be the sectional editor of the API Text Bookk of Medicie. Dr. B.C. Mehta has submitted his publications of last 20 years on Iron Deficiency for award of D.Sc. of Bombay University.

Principle Activities of the Department :

A) Teaching : Undergraduates : Lectures, 12 per year.

Post-graduates : Ward round twice a week,
Slide session twice a week.

B) Clinical services : Investigations and treastments of various haematological disorders which includes Iron deficiency anaemia, nutiotional anaenia, leukaemias, Bleeding disorders, Haemaglobionopathies, Thalessemias, ITP, AIHA etc.

C) Research :

i) Interation between Iron dificiency and Thalassemia.

ii) Bffect of Danasolon FVIII levels in Haemophilia.

iii) Clinical spectrum of bleading disorders.

iv) Immune response in IDA.

v) Prevelance of BTT in Lonana community and pregnant frmales.

vi) Sensitivity & specificity of NESTROFT.

vii) HIV Infection in Haemophiliace & Thalassesias.

viii) Non- A Non - B hepatitis.

ix) Clinical trial of Ferrum - Fol.

No. of new patients attending OPD.	:	1200
No. of Old patients attending OPD.	:	3868
No. of admissions.	:	141

No. of Investigations stions carried out :

Haemoglobin	:	2276
packed Cell Volume	:	2200
Reticulocytes count.	:	2300
Giesma Stain.	:	2276
Total W.B.C.	:	1998
Differential W.B.C.	:	1900
Erythrocytes Sedimentation Rate.	:	140
L. E. Cells.	:	24
B. M. aspiration & Biopsies	:	290
B. M. Iron Stain.	:	288
Urine Haemosidrin.	:	50
Sucroselysis	:	55
Acid Maemtest.	:	9

Haemoglobinopathies : (From 28-9-89 to 31-12-89)

Screening Test. 975
Complete Camotic Fragility 15
Suckling Test 396
Foetal Haemoglobin 449
Hb-Eletrophoresis 449
Serum Iron 434
Total Iron Binding Capacity 434
Trans Saturation 434
Setum Ferritin 300

Coagulation Study. (From 27-9-89 to 31-12-89)

Bleeding Time 102
Clotting Time. 102
Prothombin Time 105
Partial Thraboplastin Time 137
Thrambin Time 09
Thromboplastin Generation Test 11
Clot retrection 125
F VIII antibody Screening 11
F - VIII antibody quantitative 3
Fibrinogne assay 5
F VIII assay 92
Correction study 9
F XIII- (Qualitative) 100
Oryoglobulin. 3

Liver Function Test

S. Billrubin	105
S.G.O.T.	102
S.G.P.T.	102
Hbs. Ag.	100

DEPARTMENT OF ENDOCRINOLOGY :

Principle Activities of the Depatment :

TEACHING :

Undergraduate : Dr. Bhandarkar and tutors participated in undergraduate teaching programme of the department of medicine. They gave a course of lectures on Endocrinology every three months to the final year students doing 2nd medicine term.

Postgraduate : A detailed ward round was taken by Dr. S. D. Bhandarkar every Wednesday. The other teaching activities were a) a journal review club once a week : b) a seminar once a week : c) a group presentation and discussion of cases attending the puberty and growth clinic every saturday..

Patient Service :

The department give patient service as follows :

	New pts.	Old Pts.
Diabetes Clinic.	1004	12884
Endocrinology Clinic.	1971	3592
Puber & Growth Clinic.	418	1218
Total	**3393**	**17694**

Total No. of admissions during the year. : 173.

Investigations done in the laboratory of the department :

Blood sugar.	16323
Total proteins.	891
Albumin.	891
BUN.	891
Creatinine.	923
Cholesterol.	922
Haemoglobin.	1194
WBC.	2228
ESR.	1194
Urine routine.	1200
Urine Osmelelity.	354
17 KGS	57
17 K G	57
T4.	505
T3.	422
TSH.	296

Acid load test. 9

Creatinine Clearance. 20

24 hours urine protein. 13

Water load test, ...17

Dashe's dhydration test. 15

Bar body. 61

TOTAL 28483

DEPARTMENT OF CARDIOLOGY (UNIT-I : DR. A.S. VENGSARKAR)

Principal Activities of the Department :

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

Post-graduate Teaching : Each senior staff member : Dr. A. S. Vengsarkar, Dr. L. S. Shah, Dr. S. c. Munsi are University Teachers and have 1-2 PG studentns at a time for PG training in the subjects of Cardiology. PG training is as follows :

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

Department conferences : 2 per week for postgraduate training Inter Department conferences with surgeons for PG training and clearing surgical cases.

Inter Hospital conferences : Once/ month - arranged by Dept. of Cardiology of teaching hospitals of Bombay in turn and of Cardiovascular and Thoraccic surgeons.

Cardiological society of India (Bombay Branch) conference :

3-4- year. National and International speakers of reputations are invited to spean on 'Update Cardiology'

CSI - National Conferences - one/yr. papers of teaching interest are presented by staff members and PG students. PG students are taught Invasive and non Invasive procedures. Invasive procedures include Cardiac Catheterization in various types of cardiac lesions. Special procedures like septostomy and valve dilatations PTCA are performed. Similarly pacemaker implantations, arrhythmia recognition, EPS, HBE etc. are done regularly. Non invasive procedures like 2-D imnsional echocardiographic studies with doppler assessment, computerized and regular stress tests, Holter monitoring are done.

No. of New & Old cases during the year (Unit-I Unit - II)		
New patients	6332	
Old patients.	11344	
No. of admissions during the year	Ward-35 ICCU	884
	Ward-35	1548

No. of investigatikns carried out:

ECGs.	6740
Treadmill stress test	453
Computerised Stress Test	40
Catheter and Angio	425
Ballcon Dilatation	55
PTCA	13
2-D Echocardiography	2005

No. of operations or procdures carried out :

Rehabilation programme :

a) Occupation therapy.	207
b) Physio-therapy.	1788
Cardiopulmonary Resuscitation	405

Invasive studies :

- His Buldle Electrocardiography.	21
- Transvenous Bedside pacing.	155
- Permanent pacemaker implantation ..	23
- Beside hemodynamic studies.	144

DEPARTMENT OF CARDIOLOGY - UNIT - II. (Dr. P. A. Kale)

Principle activities in the department :

Teaching :

Undergraduate : One clinic per week of 2 hours for students of Dr. S. G. Dalvi's unit. Lectures on various topics of Cardiology to undergraduate students as per the time table prepared by college office.

Post-graduate : Clinical bedside rounds 3 times a week. Hemodynamic interventional cardiology procedures, work in Cardiacc cath. lab. 3 times a week and 2 conference per week (Tuesday/Friday).

Teaching to patients and paetient's relatives on Thursday on medicca1 education.

Research :

1) Pre-operative and post operative profile of TOF-Haemodynamic Angiographic study-20.
2) Myocardial Biopey- Clinical and Histopathologic correlation - 8.
3) Pericardial biopsy - clinical and histopathologic correlation - 25.
4) Balloon pulmonary valvuloplasty -15 (1989).
5) Balloon aortic valvuloplasty - 20 (1989).
6) Ballon dilatition of cosrctation of Aorta - 3.
7) Antimyosin antibodies in patients of AMI.
8) Multidisciplinary programme for prevention of RF/ IHD.

No. of patients :

New O. P. D. ..	6332
Old O. P. D. ..	11344
No. of admissions during the year.	858

No. of investigations:

2-D Echo ..	2000
Stress Test. ..	370
E. C. G. ..	4361

No. of procedures or Operations.

Cath. Angio	424	Occ. Therapy	355
Angioplasty	6	Physic Therapy	1659
Balloon dil	45	Telemetry	12
Temp. Pacing	34		

SN RT 34

Permanent pacing 22

DEPARTMENT OF UROLOGY :

During the year 1989, the department maintained at a high level its overall activities in the fields of patient care Operative work and innovations undergraduate and post-graduate teaching and research acthvities. A number of new pro-jects investigative and operative were commenced during the year.

Patient Care :

There was an increase in the O.P.D. attendance in the Urology O.P.D. Male Infretility O.P.D. and stone Clinic. The total attendance of new patients in the O.P.D. was 1840 patients. A total number of 892 patients were admitted in the varilus urological wards during the year. In the field of operative work total of 1011 operations were carried out which included 459 opern urogogical operations and 424 ednoscopic operations.

Diagnostic Endoscopic examination (Cystocopy) was done in 1750 patients. Operative techniques included kidney transplants (19). Percutaneous Renal surgeries (89). Microsurgery (41) and Adrenal Surgery.

Two innovative operative techniques were introduced as highly specialised managment during the current year ; these included Percutaneous Bladder Neck Suspension by a double needle technique for Streee Urinary Incontinence in Women and Transure thral incision of the postate and bladder neck, in cases of small BPH and bladder neck obstruction. The total number of Endoscopic and Open surgical procedures during the year was 2761.

Medical Education :

Under - graduate Teaching Programme : A series of 9 lectures are given every 3 months on various subjects of Urology.

Post - graduate Teaching : An intensive regular programme for post-graduate teaching is organised every month which includes presentation of clinical cases by P.G. Students, Uro-radiology Meetings, Uro-nephrology Meeting, Uro Quis. Journal Review Meeting Morbidity and mortality Meetings. A total number of 70 teaching sessions were held during the current year.

The P. G. Students were encouraged to interact with teachers & students from other centrrs. Dr. Gulanikar vvisited two prominent centre of Urology at K.M.C. Manipal, Dr. Anant Kumar, Asst. Prof. of Urology, Sanjay Gandhi P.G.M.I. Lucknow visited out Urolgy Dept. on a Travellin fellowahip. The P. G. Students were encouraged to participate in academic activities and scientific urological me at local and national level.

Other Academic Activities :

The Department of Urology losted the monthly meeting of the Bombay Urological Society on 30-3-89 were number of interesting clinical cases were presented and discussed, by the Dept. of Urogy.

Members of the staff and student attended workshops on Paediatric and Reconstructive Surgery at Jaipur and Bladder Entrophy and Epispadias at Bombay.

Dr. D. S. Pardanani, Professor and head of Urology attended a workshop on Strress Incontinence at Innsbruck Austria and also attended Urological Centre at Mannheim to see the latest development - the field of ESWL.

He also visited factories of Karl Store in Tuttlinghen and Angiemeal in Karl-Sruhe (W. Germany)

The Urology Laboratory made significant contribution in the fields of patient care and reseach work. A large valume of routine and specialised tests were carried out in the lab.

The high-lights of the departmental activities during the year included :

I) Kidney Transplantation.

ii) Microsurgery.

iii) Percutaneous Renal Surgery.

iv) Investigations and Treatment of Impotence.

v) Investigations and Treatment of Male Infertility.

vi) Techniques and Research in the field of family planning.

vii) Large volume of clinical and research work.

viii) Intensive Urological teaching for undergraduate and postgraduate students.

ix) Development and Evaluation of Newer Operative Techniquee.

x) High--profile participation in Urological Conferences at localm National and International levels and publication of a number of scientific papers.

OPERATIVE WORK DONE :

Endoscopic :

Cystoscopy	1746
TURF.	106
TUIP.	40
TURB.	18
Other Endoscopic Surgeries	260

Percutaneous :

PCN.	39
PNCL.	87
Endopyelotomy	2

Open Surgeries :

Transplant.	19
Micro Surgery	41
Other Open surgery.	382
SUI	5
Pheochromosytoms.	2
Adrenal Surgery.	1
Penile Implants.	2
Auto Transplant.	1
Augmentation Cysto plasty	1
Radical Cystectomy.	1
Ileal Interposition	1
Transpubic urethroplasty	1
Young Becs Bladder Neck Reconstruction.	1

Work Load Of The Urology Laboratory for the year 1989 :

1. Semen Analysis. ..	1832
2. Urine culture. (OPD)	1540
3. Urine Culture (Ward)	672
4. Haemogram. ..	574
5. Urine Routine. ..	210
6. Testicular Biopsies.	85
Total.	**4913**
1. Blood Sugar ..	640
2. Renal Chemistry ..	1536
3. Uric acid.	432
4. Ca/P	863
5. Acid Phosphatase.	72
6. SGOT.	142
7. SGTP.	142
Total :	**3828**

DEPARTMENT OF PLASTIC SURGERY :

1.	Weekly out patient clinic held every Thursday in the afternoon. ..	1047
2.	Follow up clinic conducted by the professors - Thrice a week. ..	2918
3.	Patients referred from other departments to this department. ..	873
4.	The feeding duidance clinic held every Sunday morning for cleft lip and palate patients. ..	362
5.	Keloid clinic for Denacort Injections held every Thursday in the morning.	305
6.	Patients referred from Casualty Dept. ..	3483
7.	Indoor patients admitted in Ward No. 16 & 16-A. ..	784
8.	Patients treated in Burns Unit. ..	178
9.	Operative procedures carried out in Plastic Surgery Theatre. ..	4060
10.	Emergency procedures carried out in MOT. ..	325
11.	Outdoor dressings carried out in the Dept. ..	4315

DEPARTMENT OF CHEST & ENVIRONMENTAL POLLUTION RESEARCH CENTRE:

Principal Activities of the Depatment.

A) Teaching: This department teaches undergraduate students in respiratory medicine and T.B. (divided as batches for 2 weeks) in a 3 yr. trainings period. In this there are clinical teachings, demonstrations and classroom lectures (6 per semester). The deptt. does postgraduate teaching for MD. (Resp. Dis.) students twice a week, clinical meeting once a week, radiology meeting once a week and clinical teaching rounds.

B) Clinical Services: This deptt. runs outpatient clinic 3 times a week, runs and indoor word of 30 beds deal with investigationisa and treatment of various lung diseases and complication incuding chronic bronchitis, bronchial asthma, bronchiectasis, respiratory paralysis, central respiratory weakness, post traumatic problems, respirstry failure following poisoning interstitial lung disease, pneumoconiosis, inhalational lung toxicity and T.B.

Pulmonary function and blood gas laboratory: various functions including voulmes, mechanics of breathing, gas exchange, exrecise studies, flowrates are studied on patients normal subjects, atheletes and community research personnel. we also provide physiologic investigations on research topics and blood gas services on cases being treated aroung the municipal hospitals.

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

New Cases	2,554
Old cases	13,285
No. of admissikons during the year.	812

No. of investigations carried out the Laboratories:

Name of Investigations:

Blood Gas :	Ward samples	10655
	Artery puncture study	44
	Catheter samples.	3678
Pulmonary Function Test:		
	Old & Indoor Patients	1100
	Reserch patients	130
	Community subjects	838
No. of operations carried out in 1989		36

EPRC Survey Work:

In the month of Jan. 89 twocommunities were selected in Chemmbur are a) Tolaram Nagar and b) Telecom factory. After identifying suitable residential buildings a census of 2 areas was done.

Subjects were studied by simple random sampling from the census population. For each subject clinical history, examination, lung function test was done and abnormal subjects were investigated. The floowing table shows the number of subjects covered with the number of subjeccts from the sample population whose lung function tests were done.

The follwing table gives the subjects covered:

Area	Tolaram Nagar	Telecom Factory
Census subject	1318	1254
No. of subjects studied.	421	97

The families were studied by random matching between these two areas according to monthly income, areas of floor. In each family selected we studied clinical history, examination, lung funtion test and abnormal subjects were investigated.

The following table shows lung function test :

Area	Tolaram Nagar	Telecom factory
Lung function test	365	356

Follow up of previous 4 areas was done. The details are given as per table

Area	1) Maheshwari Udyan.	2) Haji Ali/ Paddar Rd.	3) Parel	4) Khar
Subject Studied.	210	236	244	269
Lung Function test	187	212	218	221
COHB.	169	82	60	–

DEPARTMENT OF NEUROLOGY :

Teaching activities of Department:

Under-graduates : 6 lectures 3 times a year for MBBS.
Post-graduates : 2 clinics/week.
1 neuropathology sesslong/week.
1 neuroradiology session/week.

OT/PT student, : One Necture a week.

Nurses. : S. N. D. T. Univversity.

Medica students : College of physicians & ourgeons.

No. of New & Old O.P.D. cases during the year.

Neurology O.P.D. 2487

Epilepsy OPD. 1674

Referral cases seen by Registrars approxl. 20-25 per week.

No. of admission during the year. 496

No. of Investigations carried out in the laboratories :

a) No. ECGs. 1532

b) No. of EMGs & Evoked potentials 828

DEPARTMENT OF NEURO-SURGERY:

TEACHING:

Teaching sessions on Monday mornings continue. Guest peakers from other departments are invited from time to time to contribute expertise not available here.

OUT-PATIENTS SERVICES AS DR. R. N. COOPER HOSPITAL

These continue without interruption. In the year under review 61 patients were transferred to this hospital from Dr. R. N. Cooper Hospital. 304 new and a large number of old patients were seen at our OPD on Wednesday afternoons at Cooper Hospital during 1989.

Statistics on Out-patients and In-patients - 1989

Total No. of Out-patients	6172
New cases	2817
Old cases	3355
No. of Admissions	803

Total No. of Referral patients	2895
Total No. of Investigations	1548
Total No. of Operations	829

(Operation theatres closed for repairs between 10-9-89 8-12-89)

DEPARTMENT OF PAEDIATRICS:

Indoor Patients :	3123
Male ..	1749
Female ..	1374
Outdoor patients :	
New Bornne (Postnatal wards) Total live briths.	3746
Total Still briths	110
Admission in 14-n ICU.	632
Admission in Ward-I ICU	397
Perinatal Mortality for 1989.	40.8/1000
Neonatal Mortality.	32.83/1000

Speciality OPD Attendance :

Unit - I	Genetic Clinic	1239
	- High Risk Infant OPD	
	New cases.	501
	Old cases.	1367
Unit - II	**Pediatric Chest Clinic**	**549**
	New cases	68
	Old cases	481
		170

Paediatric gastoenterology.

	New patients.	25
	Ward referries.	4
	Old patients.	10
Unit-III	Rhcumatogoly OPD	613
	Nephrologu OPD	130

Well Baby Clinics (All Units):

Measles	841
Polio	10084
DPT	7020
Booster	1276

Urban Health Programme :

Under this programme comprehensive care is provided to infants and under six clinics conducted for treatment of monnor silments, developmental assesament, Immunisation, nutrition advice education, Nutritional supplementation etc. at following centres :

1) Prabhadevvi child welfare centre, Unit - II.

2) Nelgaum child welfare centre Unit - III.

At Nalgaum child welfare centre, pediatrics Dept. Unit - III and USN Dept. collaborate on six clinics and undergraduate training programme. The undergraduate students have to adopt a material infant pair and trace the postnatal course on the line of maternal and child health programme.

School Health Clinic : Under this programme, children from Municipal Schoold in 'F' and 'G' wards are transported to K.E.M. Hospital for regular check-up, investigations and treatment.

Post-graduate Teaching Programme

1) University Lecture Series held on 'Gastroenterology and Livver Discordere' & 'Immucology' - Nov. - Dec. 1989.

2) Journal Club once a week. New format adopted for each post-graduae to read and discouse one major publication and abstract three or four more articles in short.

3) Postgraduate seminars were held on the following subjects :
   a) Recent Advances in Pediatric On cology.
   b) Chronic Diarhoea.
   c) Jaundice in the newborn.

4) Pediatric Death Conference once a month with Dept. of Pathology.

5) Interhospital Pediatric Clinical Meeting once a month.

6) Pediatric Radiology meetings - interaction between Head of Dept. of Rediology and Pediatric and rediolegy residents on intersting x-rays - once a week.

7) Guest lectures by persons from outside the institution -
   a) Epliepay in children - Dr. Bernard D'sousa of P. D. Hinduja Hospital.
   b) Hormanal Evaluation of Endoorine Disorders by M. P. Shah (P. D. Hinduja Hospital.)

8) Examination Clinics ("Mock exams") for exam-going post-graduates-twice a year leasting $1^1/_4$ months. Each post-graduate presents to two examinars from among the senior staff members with a schedule laid lown befors.

Under-graduate Teaching Programme:

The undergraduate teaching programme comprises 3 months clinical posting in IIIrd M.B.B.S. year.

The term includes 50 lectures, about 60-70 bed side clinics ward round, ODP attendance, emergency attendance with instructions on emergency pediatric management through clinics by Registrar and 10-12 sessions of self teaching by audiovisual aids The entire syssabus of pediatrics as recommended by the Medical Council of India and the Indian Academy of Pedirics is covered. The Studetns' performance is evaluated in the last week of the term as floows.

Theory : 100 marks.

Practicals including clinical cases and viva : 100 makrs.

Pediatric Research Laboratory :

The laboratory has been ranked 9th out of 440 labs in the country that are evaluated for Quality control by ACBIONC Hospital, Vellore for the period June 1989.

Newer techniques have been pursued much as amalotic fluid culture followed by karyotype for prenatal diagnosis or chromosoamal disorders and chorion villus biopsy.

Social Events :

1) 90 munite symposim conducted by Department members attached to Genetics chapter of IAP at Agra at IAP Conference held on 'Ingrastruture for setting up of a Genetic Clinic' Oct. '89

2) National Seminor on Pediatric Airway Disorders and Tuberculosis in childern" Nov. 89 at MLT, K.R.M. Hospital under the joint auspices of Respiratory and Tuberculosis Chapters of IAP/Bombay branch of IAP and Department of Pediatrics, K.E.M. Hospital, Dr. M. D. Shah was the chair person, Dr. Keya Lahiri and Dr. M. K. Joshi, the organising secretaries.

The seminor was well attended from different parts of India, Eminent speakers delivered lectures and disussed the preventive, diagnostic and management aspects of various airway discorders and pulmonary tuberculosis. Workshop included pulmonary function testing, allergen testing and chest physiotheapy.

Visitors :

The M. P. Bhagat Memorial Oration for 1989 delivered by Dr. R. K. Chandra of Hospital for sick Children, Toronto, U. K. He is the professor of Pediatrics & Medicine and Director of Immunology. His subject was 'Immunology of preterm energy malnutrition.

Cross Teaching Programme :

1) For OT/PT students - Lectures series for IIIrd year OT students on related pediatric subjects all senior staff and lecturers.

2) For I.M.B.B.S. students - 3 lectures on 'Normal growth and develpment in children' condutcted by Dr. B. A. Bharuch.

Unit - I : Dr. N. B. Kumta

Total No. of Admission	1059
Total No. of deaths	100
Well Baby Clinic :	
Polio:	
OPV - 1.	494
OPV - 2	602
OPV - 3	510
OPV - 4	434
OPV - 5	333
Total :	2373
D. P. T.	
DPT - 1	620
DPT - 2	566
DPT - 3	491
Total :	1677
Measles	221
Booster	
Booster - 1.	200
Booster - 2	47
Total :	247

Premature

New 154

Old 440

L.S.C.S.

New 113

Old 266

Forceps

New 69

Old 191

Miscellaneous

New 74

Old 225

Breaches :

New 20

Old 41

Birth Asphsia :

New 42

Old 108

TWINS:

New 24

Old 66

L. V. F.:

New 5

Old 30

Paediatroic Reserch Laborstory :

1) Leucoyte seperation 99

2) Leucocyte Lysate seperation 99

3) Protein by Lowry's method 99

4) B-Hexosaminidase (total)

Leucocyte 99

Villia. 05

5) B-Hexosaminidase % of

Leucocyte 99

Plasma 99

6) B-Hexosaminidase EPP. 99

7) B-Galactosisase (Leucocytes) 99

Villi 05

8) Aryl so4ase (Leucocytes) A + B 99

Villi. 05

9) B-glucuronidase (Leucocyte) 05

10) B-glucosidase. 14

11) B-galsctosidase . . . . . --

12) 2-B galactosidase (Krabbe's) . . . . . --
13) Sphigomyelinase. 12
14) -L-Fucesidase. 12
15) -D-Manosidase. 12
16) -N-Aceryl glucosaminidase (Plasma) 12
17) RBC glycogen. . . . . --
18) Oligosac charides. 36
19) Mucopolysacchrides EPP 87. 36

Plasma and Urine Amino Acid Chromatography . .2208
(Interpretation)
1) Aminoacidogram (Plasma, Urine) 2208
2) Perphyrine (Blood, Urine) 1088
3) Sugar chromatography. 1088
4) T. L. C. 1902

M. R. Tests :

1) FeC13 test. 2208
2) Nenedict's tests. 2208
3) Cynide mitroprusside tests. 2208
4) 1.2 Nitrosonaphtol tests. 2208
5) Alcian Blue Spot tests MRS/MPS 1160
6) Toludine Blue Spot Tests MRS/MPS 1160
7) C.T.A.B. Turbidity tests. 1160
8) D. N. P. H. teste 2208
9) Isatin tests. . . . . ---
10) Ninhydrin tests. 2208
11) P. Dimethyl Amniobensaldehyde tests. 2208
12) Conc. H2SO4 2208
13) O. Toludine tests. 1160

M P S:

1) Albimin turbidity tests 1046
2) CPC Turbidity tests 1040
3) E. P. P. for Dioferentiation 184
4) Quant. astimation of MPS 752
5) Alcian blue spot test 1160
6) Toludine spota tests fro MRS/MPS 1160

1) Ammonia 324
2) Bilirubin total & Direct 304
Indirect. 884
3) Cholesterol. 89
4) Creatinine (Serum & Urine) Serum 504
Urine 74

5) Copper 121

6) Cerulopamin. 121

7) Sweat chloride . . . . . --

8) Calcium (Serum & Urine) Serum 1089
Urine 68

9) Hair bulb test. 3

10) Phosphorum (serum & Urine) Serum 919
Urine 78

11) PRoteine & Protein EPP. Protein 863
Post EPF 148

12) Uric Acid serum. 58
Urine 10

13) Lactic Acid (Blood) 58

14) Alkaline Phosphatese 914

15) Hb-EPP. 163

16) Hb-A2 163

17) Fe-TIBC 163

18) G-6-PD 163

19) Sickling 57

20) Urine Albumin 216

21) Creatime Clearance 4

22) Blood Sugar 304

23) Osmatic fragility incubated 106

24) Urinary copper 94

25) CSF Lacti Acid 6

Genetic Clinic

Total No. of Genetic cases in 1989. 1239

Neonatology Division (Dr. S. F. Irani)

Periatal morthality. 40.8

Neonatal morthality 32.83

Total deliveries. 3816

Total Live births 3746

Total still births 110

Total Neonatal deaths. 123

% of low birth weight 35.05

14-A ICU admissions. 632

Ward ICU admissions. 397

Deaths 94

% mortality. 23.67

% Prematurity 8.97

UNIT: II - DR. M. D. SHAH

Total No. of admissions 771

Total No. of Deaths 76

WELL BABY CLINIC:

Polio:

OPV-1	711
OPV-2	745
OPV-3	591
OPV-4	440
OPV-5	256

D. P. T. :

DPT-1	797
DPT-2	653
DPT-3	493

Booster :

B-1	191
B-2	70
Measles	242

PRABHADEVI CLINICAL WELFARE CENTRE:

Milk Distrubution :

Morning	3730
Evening	575
Att. of milk	902

Clinic visits:

New	186
Old	575

Home visits:

New	427
Old	537
Health Education:	84
Referred to KEM H.	11
No. of Deliveries	1327
P. Sterilization	380
Still Births	15
Twins.	8
Infants Deaths.	4
Admisions.	29
M. T.	7
B.C.G.	1865
Measles.	523

Triple:

1st dose	1020
2nd dose	971
3rd dose	319
Total :	2810

Booster:

1st dose 496

2nd dose 254

ORAL POLIO:

Ist dose 1020

2nd does 1667

3rd does 971

4th dose 819

5th dose 717

D. T. :

Ist dose 114

2nd dose 33

Inj. T.T. :

I. 1724

II. 932

Vit. A :

I. 1076

RB. 1217

Prophylaxix 902

PEDIATRIC CHEST CLINIC :

New Patients. 68

Old Patients. 481

Total : 549

GASTROENTEROLOGY DIVISION - DR. M. K. Jain. Unit - II

New Patients. 25

Ward referrals 45

Old Patients (fellow up) 108

Total : 178

Unit - III : DR. P. P. Kandoth :

Total No. of admissions. 1303

Total No. of deaths. 63

WELL BABY CLINIC:

OPV-1. 970

DPT-2. 916

OPV-3. 865

DPT-4. 793

DPT-5. 754

D P T -1. 951

D P T -2. 744

D P T -3. 868

Measles. 378

B1 374

B2 394

NIGAUM MATERNITY HOME PAEDIATRIC CENTER:

Polio:

1st dose.	486
2nd dose.	415
3rd dose.	349
B.	248
Total :	1498
1st dose.	503
2nd dose.	412
3rd dose.	351
B.	241
Total :	1507
Measles.	287
B. G. G.	1037
O. T.	86
No. of deliveries.	957
No. of att. N. C.	2598
No. of att. milk	27271
No. HE class.	1644

Vit-A

1st.	302
Re.	687

No. of Clinic Attend.

Infant.	1080
Ted.	1400

Home Visits :

1st.	449
Re.	1396
Total.	1827

Tonic given :

1st	330
Re.	1244
Total.	1574
No. of Ref.	197
No. of Medical Students.	1644
Investigations.	82
No. of students Nureses.	336

RHEUMATIC/NEPHROTIC OPD :

Rheumatic	613
Nephrotic.	130
Total.	743

URBAN HEALTH PROGRAMME
PRABHADEVI CHILD WELFARE CENTRE :

The urban health centre at Prabhadevi was started and is attended by senion staff members namely lecturer, Reader and Honorary Prof. from Dr. M. D. Shah's Unit. The visits are on monday and wednesday from 10.30 a.m. to 12.00 .

This centre caters to the under give children is that area, it deals with day to day complaints, immunises against tuberculosis, Deptheria, pertusis, measles, tetanus, polio, supplies milk to the under fives, vitamins and other supplements on routine basis, Antibiotics, multivitamines and deworming agents are prescribed as per their need.

The Sister-in-charge conducts the health pertaining to mutrition, clearliness, family planning awarenees to common problems, sanitation, overall care of child and early referal to centre for may major problem. Demicilry visits and talks are also given.

PRABHADEVI CLINICAL WELFARE CENTRE :

Milk Distrubution :	
Morning	3730
Evening	575
Nutrition Classes :	
Class.	52
P.H.S.	2042
Clinic visits:	
New	186
Old	575
B.C.G.	1865
M. T.	7
Trible :	
I.	1020
II.	931
III.	319
Booster. :	750
Polio :	
I.	1667
II.	1020
III.	971
IV.	819
V.	717
Booster.	750
Vit-A :	
1st.	1076
Re.	1217
Home Visits	427/537
Measles.	523

DEPARTMENT OF SKIN & V. D. AND LEPRESY

Principle Activities of the Department

1) **Under - graduate:**

9.00 a. m. to 10.20 - Case demonstration
10.30 a.m. to 11.30 a. m. - Clinic.
6 Leprosy lecctures.
4 S. T. D. Lectures.
15 - Dermatology Lectures.

2) **Post-Graduate -**

Monday - P. C. Clinic/case discussion/Surgery clinic.
Tuesday - Ward rounds & discussion/Vitilige clinic.
Wenesday - Histopathology session.
Thursday - Ward rounds and disccussion.
Friday - Journal Club/Seminar.

3) **Nursing Lectures.**

4) **O. T. & P. T. Lectures** - 20 lectures.

Clinical Services:

Nature of disease treated in the department. Skin diseases together with sexually transmitted diseases.

Leprosy.

The common skin contions like Pyodermas, skin infestations, pigmentary disorders, Eczemas, fungal and viral infections of the skin,

Non gonococal urethritis and leprosy.

Special Clinics:

Monday 10.00 a.m. to 12.00 noon Surgery.
Tuesday 9.00 a.m. to 12.00 noon Vitiligao.
Thursday - 10.00 a.m. to 12.00 a. m. - Psoriasis.
and Tuesday, Friday & Satturday Leprosy Clinic.

Mycology Section :

The patients undergoing mycological investigation during the year 1989 in the Skin Department were as follows :

Total Scraping done 940
Cultures done out of Which 370
T. Corporis 35
T. Cruris 15
T. Barbac. 3
T. Capitis. 15
T. Pedis. 11
T. Axillaris 4
T. Manum. 12

Onycgintcisus. 19

Monilliasis. 25

Mycetoma. 11

Deep mycosis uncluding, CSF, Sputum, Pus, Fluids, Gastric lavage, Biopsies etc. for culture. 220

Opthalmic scraping sent from theatre. 102

Stains, routing media and speccial media are prepared in the Laboratory.

DEPARTMENT OF PSYCHIATRY

Services:

OPD : The dept. operates daily Out-patient services.

a) New psychiatric cases are registered and examined in the OPD from 8.30 to 10.30 a.m.

b) Deaddiction OPD daily between 10.30 - 12.30 p.m.

c) Walk in Clinic : Here new patients are screended and given prompt attention.

d) Follow-up clinic: Old cases are followed up between 8.30, 9.30 and 11.30 to 12.30 p.m.

e) Consultancy services are offered to the other departments of the hospital.

Emergency Service :

Patients are received in the casualty at any time of the day. A psychiatry registrar is available round the clock to manage the psyciatric patients in the Casualty, psychiatric emergencies arising on the indoor service of other specialities and those in the neighbouring hospitals (E.G.Wadia Hospital).

Indoor Facilities :

Patients are admitted both from the OPD and casualty. The no of beds available are as follows-

Male Pasychiatric Ward	-22
Male neuropsychiatric Ward	-14
Femele General Ward	-16
Paediatric General Ward	-8
Total	-60

Investigations : pasychological testing is done by the clinical psychologists. Social data is collected by the psychiatric social workers.

EEG and polygraph tracing is recorded whenever required. The department offers use of the EEG facility to other specialities.

Laboratory pathological and radiological investigations are carried out where necessary by the respective departments.

TREAMENT PROGRAMMES

1. Drug Theraphy : Most of the essential psychotropic drugs. are available free of cost in the hospital pharmacy for the O.P.D. patients when stocks are available. Indoor patients receive the drugs which are onschedule at the Hospital.

2. Electroconvulsive Therapy : The E.C.T. service runs every day in the morning for O.P.D. and indoor patients, in the department of psychiatry.

3. Psychotherapy (Individual and Group) : Offered to suitable in the morning and evening sessions.

4. Behaviour therapy clinic : Behaviour therapy is carried out in selected patients.

5. Group Psychotherapy for sexual problems of males : Se. education and Therapy clinic is conducted twice a week in the evening.

6. 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.

7. Occupational Therapy : All the indoor patients and selected OPD patients attend the occupational therapy department.

8. Biofeed back : Used for psychosomatic illnesses eg. tension headache, asthma, tachycardia etc. is carried out by the senior technician.

9. Deaddiction Programme : Facilities for the diagnosis and treament of patients suffering from substance abuse disorders (alcohol, canabies, 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 encourage to attend the OPD 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, disulfram therapy and yoga therapy. Alcoholic patients also attend meetings of Alcoholic Ananimous which are conducted in the department in 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 :

I. Postgraduate : Twelve students were registered for D.P.M. and six students for M.D. (Psychiatric) during the last year. Emphasis is on active learning in postgraduate sudies.

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 following theses were submitted and accepted by the University of Bombay for M.D. (Psychological Medicine) Examination.

1)	Dr. Ashwin Patkar	- A controlled clinical study of the psychiatric sequelae of Limb Amputation in adult civilian population.
2)	Dr. Suma Balgopal	- Psyohiatric Morbidity in the Partial Epilepsics. A correlation with Seizure Patteras and Psychosocial Functioning is Adult patients.

3) Dr. Vivek Kini - A Controlled clinical study of patients suffering from depression.

4) Dr. Anuradha Kataria - A study of Premenstrual tension.

5) Dr. Piyush Johari - A study of Irritable wel syndrome.

6) Dr. Turun Israni - A study of patients with Dysthymic Disorder.

EXAMINATION RESULTS :

	Term	Appeared.	Passed.
M. D. (Psych. Med.)	Jan. 1989	5	5
	June. 1989	2	2
D. P. M. - Part - I.	Jan. 1989	4	4
	June. 1989	3	3
D. P. M. 0 Part -II	Jan. 1989	6	4
	June. 1989	3	2

II - Under-graduate :

A. Didactic lectures on spychiatric topics are taken by the Honorary Professors and Lectures.

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 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 Instutute of Social Sciences, student clinical psychologists and B.Sc. and M.Sc. University students of SNDT and students of Nirmala Niketan attend the departments for clinical field work training. Students of Medical Electronic engineering from Bhagubhai Mafatlal Polytechnic Instutute attend the department for lectures on electrophysiology.

IV. - Continued Education :

Department hosted Bombay Psychistricc 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.

Other Activities :

1. **Division of Adictionology :** The department has been conducting alcohol and drug deaddication programme for the last few years. During the year under report the programme has been intensified and a division of adictionology has been started. O.P.D. are conducted from 10.30 a.m. to 12.00 noon every day. Emergency cases are managed in the casualty round the clock. Admissions are provided to the deserving cases are and when the beds are available. Group psychotherapy and family councelling services are conducted by Mrs. Hema Shah, Lecturer in the department of preventive and social Redicine who is collaborating for this programme since its inception. Apart from providing treatment

to the patients training of undergraduate medical students, occupational therapy and nursing is carried out. Educational programmes are conducted from medical practitioners. The staff members partisipate in seminers and conferenoes arranged by the Government and non government agencies. The staff members help other govt. agencies. The staff members help other organisations in setting up deaddiction programmes.

2. **Division of Suciodology :** Patients admitted on the medical wards for posoniting, patients on the surgical and orthopaedicc 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 assisted in this work by inical paychologist and psychiatric 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 in diagnosis and management of suicidal patients.

High Lights :

1) Indo-UK training workshop in counselling and rehabilitation of Drug abuse - may 1989.

2) A training workshop of social workers from family planning association of India in counselling of drug abusers.

STASTICAL INFORMATION:

Number of Patients offered various services in 1989.

1. New patients seen in O P D. 7677
2. Follow-up O P D visits. 33400
3. Indoor admissions. 1372
4. Electro-convulsive Therapy (ECT) 534
5. Behaviour therapy. 50
6. Alcohol gorup therapy. 650
7. Child Guidance Clinic. 164
8. Sex education therapy 415
9. Occupation Therapy OPD cases. 550
   Indoor cases. 1980
10. Electroencephalograms (EEC). 757
11. Worlkoad of clinical psychologist psychological testings.
    A) Rorscchach. 564
    B) M. M. P. I. 656
    C) Intelligence tests (IQ & SQ) 1170
    D) TAT and CAT. 129
    E) B. G. and WMS. 412
    F) Miscellaneous (TMAS, HARS, HPRSD, HQQ, MRS) 308
12. Workload of Psychiatric Scocial Workers:
    a) Collection of social data. 762
    b) Social case work - Short term. 324
       Long term. 22
    c) Brief psychotherapy. 10
    d) Family therapy. 27
    e) Orientaltion to parents of mentally retarded children. 107
    f) Maritalc ounselling. 58
    g) Referal to school for mentally retarded. 89
    f) Free drugs supplied to patients. 435

l) Fund arrangement for poor pts. requi: expensive investigations. e.g. CT Scan etc.) 25

DEPARTMENT OF RADIOLOGY:

Procedures.	No. 10.	No. 53	Oc.
Abscess Lung Drainage.	-	7	-
Anglogram 4 vessels.	43	-	-
Angioplasty.	-	35	-
Aortogram.	-	292	-
Arterlogram			
Cerebral.	397	43	-
Peripheral.	-	209	-
Spinal.	7	6	-
Visceral.	-	212	-
Arthrogram.	-	-	11
Biopsy			
Percutaneous.. fluroscopic	-	54	-
Ultrasonographic.	-	297	-
Bronchogram.	-	127	-
Cavitogram.	52	-	-
Cholangiogram, transhepatic.	-	11	-
Cholangiogram T - tube.	40	-	-
Cholangiopancreatogram, Endoscopic, retrograde.	85	-	-
Cholecystogram, oral.	107	-	-
Cisternogram myodil. conray studies. of GIT.	1	-	-
Cystourethrogram.	-	258	-
Distal cologram.	38	-	-
Dhilatation, esophaugus.	-	8	-
Dilatation Urethra.	-	4	-
Drainage biliary transhepatic.	-	44	-
Emholisation transarterial	-	71	-
Enema Large Bowel.	474	-	-
Small Bowel.	23	-	-
Esophagogram Barium.	515	-	-
Facet Injection.	-	7	-
Gastrointestinal Lower series.	1284	-	-
Upper series.	1138	-	-
Hypotonic Duodenography	13	-	-
Lymphangiography.	-	27	-
Myclogram.	338	-	203

Nephrostomy, percutaneous.		89	
Plain radiographs.	1,12,811		33,860 Old O.C. 13,209 New O.C.
Pneumoperitoneaum.	-	1	-
Pyelogram, antegrade	-	2	-
retrograde	-	8	
Siagogram.	46	-	-
Splenoportogram.	-	83	-
Tomogram.	111	-	-
Ultrasonography.	-	21,149	-
Urethrogram, retrograde.	-	165	
Urogram excretory.	-	155	-
Venacavogram	-	24	-
Venoogram Jugular Obtiral.	2	-	-
Peripheral.	-	87	-
Visceral.	-	46	-
	1,17,525	**23,521**	**57,083**

DEPARTMENT OF PATHOLOGY

Principle Activities:

1) **Teacching** : Undergraduate & Postgraduate students of II M. B. B. S., M. D. (Pathology), Diploma in Medical Lab. Technology and Occupational Physio-therapy courses.

2) **Services** :

Total No. of Surgical biopsy.	..	..	12,000
Total No. of Autopsy.	..	..	2,147
Total No. of Hemoto-ogical and other clinical Patholigical investigations.	..	..	4,20,321
Total No. of biochemical invvestigations (Routing and Emergenrcy)	..	..	2,36,557

3) **Other Services provided are :**

Fine needle aspirations cytology, Immunofluorescence technique, Arterial blood gas analysis, Immunological investigations.

4) **Research :**

Nine research projects in Cytopathelogy, nephropathology, Neuropathology, Gastrintenestinal pathology.

5) **Other Academic Activities:**

The members of staff have participated in various Nationl Conferences and other scientific meetings, 22 Scientific papers have been presented and there have been 13 publications. The Staff members have also participated in various symposium and seminors. They were involved in organishing National Conference of IAPM in Bombay.

The Blood Bank and Plasma Fractionation Centre have made svailable blood components for

use of patients in KEM and also other hospitals.

A) Teaching; (Undergraduate)

1. II M. B. B. S. students - About 400 students (3 terms)

Lectures: In general Pathology, systemic pathology and clinical pathology. 4 lectures per week for 1st and 2nd term students.

Practicals: In General pathology, Systemic Pathology, Clinical Pathology - 5 days in a week.

Revision Lectures and Practicals for 3rd term students.

2. **Occupational Therapy and Physiotherapy Course:** Only lectures.

B) Teaching (Postgraduate):

1. **M. D. Pathology :** Postgraduate teaching and training programme consists of working in various laboratories such as clinical Pathology and Haematology, Clinical Biochemistry, Blood Bank, Surgical Histopathology, Neuropathology, Cardiovascular and Lung Pathology, Pediatric Pathology, Gastrointestinal Pathology by rotation. In addition, postgraduate students have the assignments of carrying out Autopsy examinations and emergency investigation. They participate in regular weekly teaching sessions of gross meetings, slide meetings, daily autopsy meetings and monthly journal reviews, care presentations, open forum discussions etc.

2. **D. M. L. T. Course :** 10 students per year. The course consists of 18 months - 3terms. First two terms consists of lectures and practicals and regular practical training in various laboratories. Third term is entirely practical training in laboratories.

II Services:

The Pathology department has the following sections and offers services in various laboratories scattered all over the hospital.

a) Surgical Histopathology.
b) Autopsy service (Round the clock).
c) Cytology - Fine needle aspiration cytology.
d) Clinical Pathology - Haematology - Central Clinical Lab.
OPD 4 Lab. / Orthopaedic Lab.
e) Chemical Pathology.
f) Neuropathology.
g) Blood Bank.
h) Immunipathology.
I) Emergency Laboratory : Clinical, Biochemical Investigations, Urgen Haematological Investigations, CSF. Arterial Blood gas and electrolytes.

CHEMISTRY BIOCHRMISTRY LAB:

No. of samples.	58,037
No. of investigations.	1,50,519

HAEMATOLOGY AND CLINICAL PATHOLOGY:

Blood:	No. of samples.	32,248
	No. of investigations.	1,37,125
Urine:	No. of samples.	14,203
	No. of investigations.	42,609
Stools:	No. of samples.	4,003
	No. of investigations.	8,006

C.S.P.		
Other fluides:	No. of sample	1,676

OPD-4 LABORATORY:

Blood:	No. of samples	35,993
	No. of investigations	1,02,429
Urine:	No. of samples.	22,328
	No. of investigations	66,984
Stool:	No. of samples.	6,987
	No. of investigations.	13,974

ORTHOPAEDIC LABORATORY:

Blood:	No. of samples.	10,073
	No. of investigations	30,548
Urine:	No. of samples.	5,098
	No. of investigations	15,294

EMERGENCY LABORATORY:

No. of Blood samples	32,612
No. of Biochemical Invest.	86,038
No. of sampls for arteral Gas analysis	10,720

HISTOPATHOLOGY (SURGICAL):

No. of tissue received.	11,433
No. of block prepared.	23,514
No. of slides prepared including special stains.	28,433

HISTOPATHOLOGY (POST-MORTEM):

No. of postmortems performed.	2,147
No. of blocks prepared.	12,707
No. of slides prepared.	12,781
No. of P.M.s in Which histology seen & papers completed.	1,398

CYTOLOGY -

No. PNAC.	1,618
other fluid cytology.	614

Neuro-pathology Laboratory:

A - Neurochemistry

No. of Blood samples.	1,855
No. of investigations	8,196
No. of complete haemograms	1,259
No. of CSF and other fluids	334

B -Neurohistopathology:

1 - Surgical:

No. of biopesy tissue recd.	413
No. of blocks prepared.	995
No. of stained slides .	816
No. of urstained slides.	1,950

C. S. F. Cytology		134
2. Post-morte:		
No. of brains received.	184	
No. of blocks prepared.	1,407	
No. of slides prepared.	1,509	
Work of Renal Pathology.		
No. of kidney biopsies.	220	
No. of postmortems studies.	210	
Immuno flurorescence - tissues recieved.	110	
6 sections of each tissue cut.		
Staining with FITC tagged antihuaman.		
IgG, IgM, IgA, C3 & Fibrinogen carried out.		
FNAC renal transplant - No. of aspirates received	150	
2 dilutions each of FNAC & blood sample		
carried out. 4 slides/samples studies.		

Special stains - PAS - 220 biopsies & 210 PM renal tissues.
SM - 220 biopsies & 50 PMs.
Fibrin - 50 biopsies & 25 PMs.
EVG - 10 biopsies.
Throflavin T - 20 biopsies.
Cong red - 20 biopsies.

BOMBAY MUNICIPAL BLOOD CENTRE :

1) No. of Outdoor Voluntary Drives.		115
2) Blood procurement details:		
a) Opening Balance.		226
b) Collection from Relative donors		8,028
c) Collection from Voluntary donors.		15,031
Colleges.		2,179
Industries/Offices		3,075
Club/Social groups		9,777
d) Indoor Vol. donors		407
e) Brought from other hospital		2,564
Debit/Credit	614	
Against Vol. card.	1950	
Total No. of Blood Bottles collected.		26,256
3) No. of grouping and cross matching.		26,368
4) Total No. HBsAg EBISA tested.		11,425
Total No. RPHA HBsAg tested.		17,511
Total No. VDRL tested.		15,387
5) Total No. of Components Table		
Stored plasma.		15,430
P. P. P.		6,439
Cryo		4,188
Platelets.		1,985
P. R. P.		10
S. W. P. C.		206
6) Blood Supply:		
To K. E. M. Hospital.		18,554

To Wadia Hospital.		92
To other Hospital.		2,702
a) Municipal.	842	
b) Govt.	675	
e) Public/Private	1185	
Total Blood Bottles supplied.		23,845
Total discarded.		1,625
Closing balance.		785

Blood supplied in various departments in Hospital on Replacement Basis.

Unit	Supplied.	Replaced.
General Surgery.	4320	1916
Cardiac surgery.	3382	2839
Cardiac Med.	578	234
Ortho.	2876	1686
Gyneac.	852	730
Urology.	399	279
Plastic Surgery.	315	201
A. K. D.	1131	505
Neurosurgery	662	550
Paed. Surgery.	1159	248
Paed. Medical.	1327	148
Other Medicine.	1353	642
Total.	18554	9978

DEPARTMENT OF MICROBIOLOGY:

Total 61697 investigations were carried out in the department of Microbiology in the differnt sections of Aerobic Bacteriology, Anacrobic Bacteriology, Mycology & Serelogy - Immunology.

The acrobic bacteriology, anaerobic bacteriology & Seiology sections were shifted to 7th floor new bldg. in 89. This has provided clean work place surroundings to MICROBIOLOGY. We are extremely greateful to suthorities for providing much needed clean space to Microbiology Department.

In addition to the routine investigations number of other activities are carried out in the department.

AIDS surveillance laborotry which is working since Sept. 1986 has carried out 4032 HIV antibody testing and 182 are positive. (4.5%) Total 2873 K.E.M. Indoor and Outdoor high risk patients were scremned. 52 are positive for HIV antibodies.

In order to prevent tranmission of HIV through blood transfusions Central Govt. has established 8 Zonal Centres in Bombay. Our Centre is one of them. Total 42,704 blood units are screened from Jan. 89 to Dec.. 89. 479 are ELISA positive. Total 22314 samples from K.E.M. blood bank are tested & 168 are positive. Our Zonal Centre caters 20 blood banks including K.E.M. Blood Bank. The blood bottles which are positive for HIV are discarded.

Workload of Aerobic Bacteriology (from Jan. to Dec.'89)

Nature of Samples	No. processed.	ABS done.	Total.
Pus.	8230	5073	13303
Urine.	7944	3574	11518
Blood. (Including 3 subcultures)	3705	998	4703

C.S.F.	3186	470	3656
AFB.	3968	-	3968
Sputum.	1168	453	1621
Stool	442	108	550
8. Hospital Sterility	-	-	2343
9. P. M. Samples	353	-	353
10. Sugar/Biochemicals.	-	-	4201

Total No. of Test done. 46216

ANAEROBIC BACTERIOLOGY WORKLOAD: (Jan. to Dec. 1989)

1) Routine Anaerobic samples for clinical cases :

Wound swab for gas gangrene	84
- Pus & Wound swab for Anaerobic culture	90
- Tape (Pleural & Periteneal fluid)	18
- C. S. F. for Anaerobic culture.	14
- Aprirate from Brain abscess cases.	67
- Stool culture for Anaerobes in Diarrhoea cases.	94
- Blood culture for Anaerobes.	17
- Bile culture for Anaerobes.	18
- Samples from Dental cases.	20

2) Samples : from SFI's Unit,

- Blood culture,	462
- C. S. F.	10
- Placental tissue for culture	50

3) Samples from other Paediatric Wards:

- Drain tip, Drain Fluid, Pus & Wound swab & stool from anaerobic culture.	174

4) Samples from Gynae & Obstetrics Wards :

- Cervical/Vaginal swab from P.I.D. cases & IUD cases.	70
- Clinical samples from Gastroenterology from C. Pylori.	300

5) Per & Post Fumigation swabs from Paedistric Wards & Operation Theatre. 369

Total : 1890

MYCOLOGY : Wokload from 1989 from Jan. to Dec. 1989.

The patients undergoing mycological investigation during the year 1989 in the Skin Department were as follows :

Total Scraping done.	940
Cultures done out of which	370
T. Corporis.	35
T. Cruris.	15
T. Barbae.	3
T. Capitis.	15
T. Pedis.	11
T. Axillaris.	4

T. Manum.	12
Onychomycosis.	19
Monilliasis.	25
Mycetoma.	11
Deep mycosis including CSF, Sputum, Pus, Fluids, Gastric lavage, Bippsies etc. for culture.	220
Opthalmic scraping sent from theatre.	102
Stains, routine media and special media are prepared in the Laboratory.	
Total :	1782

SEROLGY workload (from Jan. to Dec. 1989.)

V. D. R. L.	4682
R. A.	1981
Widal	1712
CSF VDRL	147
Paul Bunnel	57
Total :	8579

Immunology Workloan (From Jan. to Dec. 1989)

Urine CMV.	124
Immunoglobulins	541
CIE Hydatid	34
L. Ketopreteins	9
T - cell.	8
N. B. T.	1
Hbs Ag detection by IHA	943
Toxoplasma Antibody Detection by ELISA	154
Rubella Antibody Detection by ELISA	171
CMV Antibody Detection by ELISA	115
Amoeba Antigen Detection by ELISA	118
Salmonella Antigen detection by RPHA	310
Grand Total :	11107

DEPARTMENT OF MICROBIOLOGY

Workload of Feed Handler's Scheme :

1985 persons were directed form examination by N. O. 's department from 1st Jan. 1989 31st Dec. 1989, out of which 772 persons were attended.

650 persons fit and 80 unfit. 42 persons did not give their stool blood etc. Hence their reports are still pending.

Blisa Bositive Cases In K.E.M. Hospital.

No.	Category Screened	No. Screned.	Elisa + ve
1.	Heterc-Sexually Promisouse Males & Females.	1245	38 (3.0%)
2.	Food Handlers.	596	1 (0.1%)
3.	Drug-Addicts.	48	2 (4.1%)

No.	Category Screened	No. Screned.	Elisa + ve
4.	Haemophiliace. (recipiont of blood &		
5.	Thalescaemia.. (blood products	30	7 (23.3%)
6.	Anti-Natal Cases.	954	4 (0.4%)
	Total	2873	52 (1.8%)

HIGH RISK SURVEILLANCE FROM JAN. TO DEC. - 1989.

Screened : 4032
Llisa +ve : 182
W. B. : 54

High Risk Group	No. Screened.	Elisa +va	W. B.
Prostitutes	448	67	31 (6.9%)
Drug Users.	35	2	0
ANC	954	4	1
R B Padts.	27	6	0
C R F	37	-	-
STD	2171	98	21
Suspected.	121	4	0
Foreign Students.	82	-	-
Tourist.	1	-	-
Others.	156	1	1
	4032	182	54

DEPARTMENT OF PHARMACOLOGY:

Undergraduate results of second M.B.B.S. Examination was satisfactory. Out students bagged the highest number of distinctions in the University. Post graduate examination M.D. result was 100%. The Depatment continued training of students of B Sc. (OT), B.Sc. (PT) and Diploma in Nursing with satisfactory results. Two more teachers were recognised for Ph. D. degree in Pharmacology. Post graduate teaching in Pharmacology has been intensified with two periodic assessments per term.

Therapoutic Drug Memitoring for Epilepay clinic was started in collaboration with the Department of Nourology. Central Council of Ayurveda set up an Unit at the Department of Pharmacology, one of the two centres recognised in the country. As Ayurveda OPD was started. Therapeutic Drug Monitoring Unit is set up. This actigity is a service activity of the Department and Biotechnology Unit is set up in collaboration with Department of Neurosurgery.

U. G. Results :

IInd M. B. B. S. Examination in Pharmacology.

	No. of students appeared.	No. of students passed.	No. with distinction.
April'89 Exam. (Nov. 87 Batch)	195	186	19
Oct'89 Exam. (April'88 Batch)	20	16	2

P. G. Results :

Dr. Richa Chandra and Dr. A. A. Naikwadi passed the M. D. (Pharmacology) Examination in January 1989.

M. Sc. : Two students have passed M.Sc. (applied biology-Papers) One students have submitted their thesis and are awaiting theri viva- voce examination for M.Sc. (Research)

THE RAPEUTIC DRUG MONITORING UNIT : DEPT. OF PHARMACOLOGY.
Facility started : 1988

Therepeutic drug monitoring of antiepilleptic drugs was being done since 1985 through funds available from research grants. Now Since 1988, it is been taken over by BMC. To provide safe and effective use of drugs in treatment of various disoreders, monitoring of drug efficacy, toxicity and blood levvels is nenessary. This is being done at TDM Unit.

Facility available :

1. Messurement of drug levels by HPLC, RIA etc.
2. Measurement of drug activity e.g. immunological methods, plastelet functions etc.
3. Therapeutic drug monitoring clinic for antieplileptic drugs, every Saturday, Tuesday and Wednesday.

Service

1. At present as routine service, antiepileptic drug monitoring is being done.

   a) Epilepsy Patientns :

   Samples Analysed : Total : 1035
   Phenytoin : 737
   Phenobarbitone : 359
   Carbamazepine : 139

   b) Antibiotics - Penicillin - 250.
   (Some patients receive more thanone durg)

2) Research samples - 66 (ditiazem, Ketoprofen, Carbamazepine, Phenytoin etc.)

1) Antieplileptic Drugs :

Patients are referred from epilepsy OPD, Pediatric Units, Paychiatric units and other Municipal Hospitals in Bombay. After history taking and examination, drug level estimation are done, correlated with efficacy or toxicity, dose change is advised using nomogram and patient clled for repeat follow ups till spilepsy is well controlled or patient relieved of his toxicity.

2) Standardization and quality control :

Comparison betwwen various methods of drug estimation vis HPLC, ENIT and RIA was carried out. The methods are comparable (r-0.95 and 0.988 resp.)

HPLC method is teing used for TDN unit as the recurring cost is lowest (Rs. 20/-) per sammple of even multiple drug against Rs. 100/- andover by RIA or EMIT.

3) Prejects undertaken :

As part of TDM activity several projects were underken by M. Sc.. and Ph.D. students.

1) TDM for phenobarbitone in peonate :

A clinical and pharmacological study of phenobarbitone in neonatal convelsions was carried out. The phenobarbitone levels were determined after either 20mg/Kg or 30mg/kg I.v. administration and on day 3 and day 5 eith maintainance of dose 5mg/kg/day, The study was completed in 30 neonates.

2) Rectal vs intravenous diazepam :

A comparison of rectal and intravenous diasepam administration for treatment of convulsion in children was carried out in five patients and diazepam levels were determined by HPLC methods.

3) Risk factors in epilepsy :

Risk factors for nonresponsiveness to antiepileptic drugs treatment including the plasma phenytoin levels were evaluated in epileptic patients.

4) Prolactin levels in epileptic patients :

Prolactin levels are being done in resistant epileptic patients. Study is ongoing.

5) Penicillin levels in rheumatic fever :

Bensathine penicillin isused for prophylazis in rheumatic pefer. However there are recurrences reported. Penicillin levels were estimated to investigate whether low levels could have resulted in recurrence. Pencillin levels were found to be absent in 50% of patients, on day 14 after injections Bioavailability of formulation could be the cause. Further work is in progress.

6) Opsonophagocytic activity of immunoglobulin :

Neonates suffer from infection and despite antibiotics incidence of mortality is high. Immune restoration could be used to supplement usual antibiotic treatment. Intravenous immunoglobulin preparations were tasted in vitro for opsonophagocytic activity to find ther potential benefit.

7) Bioavailability studies :

Bioavailability of slow release preparations and standard preparation of many drugs were carried out viz diltiazem, ketoprofen, carbamazepine, phenytoin.

DEPARTMENT OF SEXOLOGY :

The number of attendees in every out patients' Dptt. is 40-80. Day by day, O.P.D. attendance is increasing. Cases are referred from hospitals all over Bombay as well as India.

Majority of the cases are referred by specialists from other fields. Early Orgasmic Response (Premature Ejaculation). erectile dysfunctions (impotence). Delayed Orgasmic Response (Retarded Ejaculation) were common dysfunctions found in females. Whether the cases were psychological or orgasmic, anxiety, unlike in the West is born out of myths and misconceptions about sex and sexuality.

A new daignostic model has been evolved by which a physician could pinpoint the diagnosis within a coupel of minutes and an audio-visual was prepared which clears the mythe and misconceptions effectively in a very short time. This is a drug-free anti anxiety approach.

Achievements during the year :

Dr. Prakash Kothari, Professor & Head of the Department of Sexology was awarded the 'Man of the Year' internationally by the World Association for Sexology held at Caracas, Dec. 1989.

NATIONAL PLASMA FRACTITIONAL CENTRE

The Plasma Fractionation Centre has been established under the aegis of an sutonomous trust 'Research Foundation for blood transfusion services'. The trust was registered with the charity commissioner Bombay. (Reg. No. E(12342). The list of present trustees is attached for the management of general administration and acientific problems, two committees have been formed. The rules and regulations of the Centre and the trust and being finalised.

The infrastructure of the Centre was built with advances from B.M.C. (Rs. 19,03,590.14) and K.E.M. Poor Box Charity Fund (Rs. 21,33,998.52). Central Government gave a grant of Rs. 10,00,000 only towards building the infrastructure.

The equipment for the plant worth 2 1/2 crores for the Fractionation and Rs. 1 crore for updating the Blood Bank was donated to Central Government by Swedish International agency whcih was in turn donated to us by Central Government.

The site was partially ready for installation and the equipment was installed and tested in February 1989. Due to problem of AIDS & FDA regulations the technic had to be modified for destruction of virus. 80 Litres of 5% Albumin has been prepred and is waiting for validity. 200 bottles of 5% Albumin were used for trial on patients and have been our to be satisfactory without any untoward effects. The component laboractory of the Centre earned 11,17220.00 by supplying the components to various hospitals during the year. K.E.M. Hospital was supplied components worth 6,49,055.00 during the year against the loads advances by Poor Box Charity Fund.

Trustees :

First Trustees : The following persons shall be the first trustee of the Trust.

1) Municipal Commissioner.	..	Shri S. S. Tinaikar
2) Deputy Municipal Commissioner	..	Shri A.B. Maduskar.
3) Dean, K.E.M. Hospital.	..	Dr. (Mrs.) P. M. Pal.
4) Head of the Dept. of Pathology	..	Dr. A. P. Desai.
5) Chief Accountant B.M.C.	..	Shri. S. M. Chandekar.
6) Officer-in-charge Blood Bank.	..	Dr. (Mrs.) Vijayalaxmi Ray.
7) Dean, LTMG Hospital.	..	Dr. S. V. Nadkarni.
8) Dean, TNM College.	..	Dr. (Mrs.) Divekar.
9) Director of Health Services.	..	Dr. B. K. Varma.
10) Assistant Dean.	..	Dr. (Mrs.) S. R. Satoskar.
11) Mayor of Bombay	..	Shri S. N. Acharya.
12) Chariman Standing Cemmittee B.M.C.	..	Shri R. S. Nayak.
13) Chairman Public Health Committee, B.M.C.	..	Shri H. J. Tripathi.
14) Leader of the House MCGB.	..	Shri. C. C. Bhujbal.
15) Leader of the opposition M.C.G.B.	..	Shri R. R. Singh.

Dispensary Department :

The work carried out in the dispensary (including C.V.T.C. dispensary and Ortho Centre dispensary) is as below for the period from Jan. 1989 to Dec. 1989.

O.P.D. Cas	Private	Indoor	Grant Total.
3,66,999	94	3,186	3,70,279

Department of Anatomy :

Academic performance :

The first M.B.B.S. examination held Octorber 1989 had results 89.9 of passing percentage, and 12 students secured distinction in the subject of Anatomy.

Research & Publication : Dr. Lopa A. Mehta presented a paper 'The Nature of Bones' at 38 the Annual Conference of Anatomical Society of India, held at Imphal, Manipur.

Dr. M. L. Kothari (A series of articles (in Gujarati) on
Dr. L. A. Mehta (Medicine

Development : Dr. Lopa A. Mehta has been promoted as Professor of Anatomy on 15th Feb. 1989.

DEPARTMENT OF PHARMACY :

1. Total No. of I.V. Fluid Bottles.	..	2,02,160 Bot.
2. Total No. of Inj. (Vials)	..	3,760 Vials.
3. Stock Solution :		
a) Haemodialyis Fluid. (conc. 1x35)	..	3,200 Lte.
b) Potassium Chloride 25%	..	52 Lts.
c) Magnesium Chleride. 50%	..	35 Lts.
d) Calcium Chloride 25%	..	80 Lts.
4. Central Strile supply Services :		
a) No. of Drums Sterilised.	..	18,732
b) No. of Trays Sterilised.	..	32,090
5. Quality Control Unit :		
a. Analytical Report :		
1. Dextrose (%, 10%, 20%, 25%, 50% & A, B, C Scln. etc.) Sodium Chlorido. (0.9 - 5% & A, B, Soln etc.) Distilled Water (Purity Test). Haemodialysis Cnc. (for Chloride)		
b. Supply Check (Received from Mdical Store) :		
1. Analysis of chemical drugs medicine etc.	..	2232
2. No. of Sterility Tests.	..	2318
3. No. of Pyrogen Tests.	..	298
4. No. of Inprocess analysis.	..	975
5. No. of Surgical Dressing Tests.	..	774
6) New Preparations Introduced :.		
a. N/4 Saline in 100ml for paediatric Wards.	..	90 Bot.
b. 1/2 Saline in 300ml.	..	—
c. 1/3 Saline in 300ml.	..	2610
d. 1/5 Saline in 300ml.	..	2540
e. 3% Phenol in Clycerin.	..	—
f. 3% Phenol in Water	..	1190

Compulsory Academic Training. Students obtained Training from Dispensary.

NURSING SECTION :

Schedule posts.	..	1120
Non Schedule posts.	..	43
Vacant post : Student Nurse & Mid - wifery.	..	106
Total No. of General Nursing Students.	..	370
Total No. of Midwifery Students.	..	70
Approximate expenses per Nurse per month.	..	Rs. 2133.05/-

Examination.	Period.	Appeared.	Passed.	Percentage.
General Nursing. Part-I (Old course)	Jan.-89	4	4	100%
General Nursing. (Revise course)	Jan.-89	5	5	100%

Examination.	Period.	Appeared.	Passed.	Percentage.
General Nursing. Part-II. (Old course).	Jan.-89	117	109	93%
General Nursing. (Revise Course)	July-90	108	87	80%
General Nursing Midwifery. (2nd year Revise Course)	July-89	93	91	97.8%
General Nursing Part-II (Old course.)	Dec. 89.	10	7	70%

NURSES WELFARE SOCIETY:

The corpus of the Fund Rs. 1,04,000/- (Rs. One lack Four Thousand only) which is kept in fix deposit in the Bank interest on the amount is utilized for providing activities to the Nurses, such as variety entertainment programme, prize distribution, sports, send-off functions for retired members, academic prizes according to the wishes of the donors, sending the nurses for conferences, and also giving loans to the Nurses during their difficulties. In current Account the sum of Rs. 17,588/- (Rs. Seventeen Thousand Five Hundred Eighty Eight only.)

The batches of Paediatric Short Term Course each on 3 months duration were started from September 1981 onwards and are still continued. The Course of Orthopadic Nursing equivalant to Midwifery Nursing is started from August 1987 onwards and is still continued.

K. E. M. HOSPITAL AND G. S. MEDICAL COLLEGE EMPLOYEES' CO- OPERATIVE CREDIT SOCIETY LIMITED.

1) Members.	2,135
2) Share Capital Reserves.	Rs. 22,98,210/-
3) Dividend.	12%
4) Classification of Audit	"A"

POOR BOX CHARITY FUND.

A sum of Rs. 1,04,30,114/- was received by way of donation from patients, part cost of spects and sale at Gift Shop etc. In addition to cash donations, donations in kinds were also received. An amount of Rs. 78,40,897/- was spent out of the Poor Box Charity Fund in the year as against Rs. 57,31,759/- during the previous year. The amount was spent on costly drugs, blood transfusion, surgical appliances, travelling expenses, spects etc. for poor and deserving patients of the hospital.

DEAN
K.E.M. HOSPITAL & SETH G.S.
MEDICAL COLLEGE, PAREL, BOMBAY

APPENDIX - I

Speciality-wise and Unit-wise distribution of Beds.

Department	Head of the Units	Male	female	Children	Unclassified	Total
1	2	3	4	5	6	7
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. M. Y. Yevlekar.	20	10	-	-	30
Tetanus	Dr. Philip Abraham	12	7	5	-	24
Haematology	Dr. B.C. Mehta.	10	2	-	-	12
A.K.D.	Dr. V. N. Acharya	14	6	4	-	24
Div. of End.	Dr. S. D. Bhandarkar.	10	6	3	-	19
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.	24	6	-	-	30
	Dr. S. G. Shenoy.	24	6	-	-	30
	Dr. S. K. Mathur.	24	6	-	-	30
G.I.C. (Surg.)	Dr. S.K.Mathur.					
	Dr. R. D. Bapat.	8	2	2	-	12
	Dr. Philip Abraham.					
G.I.C.(Med.)	Dr. Philip Abraham.	13	5	-	-	18
Opthalmic	Dr. Y. K. Dastur.	18	9	3	-	30
	Dr. A. D. Adrianwalla.	18	9	3	-	30
Gynaec.	Dr. S. V. Parulekar.	-	10	-	-	10
	Dr. M. S. Bhattancharya	-	10	-	-	10
	Dr. S. S. Sheth	-	10	-	-	10
	Dr. Y. S. Nandanwar	-	10	-	-	10
	Dr. U. R. Krishnan	-	10	-	-	10
	Dr. I. N. Hinduja.	-	10	-	-	10
Obst.	Dr. S. V. Parulekar	-	29	-	-	29
	Dr. M. S. Bhattacharya	-	29	-	-	29
	Dr. S. S. Sheth	-	28	-	-	28
	Dr. Y. S. Nandanwar	-	29	-	-	29
	Dr. U. R. Krishnan	-	29	-	-	29
	Dr. I. N. Hinduja	-	28	-	-	28
Skin & Veneral	Dr. R. J. Fernandes	16	10	6	-	32
Isolation Isolation		1	1	-	-	2
Orthopaedic	Dr. M. L. Saraf	20	10	10	-	40
	Dr. S. Y. Bhojraj	20	10	10	-	40
	Dr. R. S. Dhir	20	10	10	-	40
	Dr. S. K. Bhandare	20	10	10	-	40
	Dr. M. N. Shahane	20	10	10	-	40
	Dr. B. R. Patel	20	10	10	-	40

1	2	3	4	5	6	7
Aural	Dr. S. B. Ogale	8	6	10	6	30
	Dr. M. V. Ingale	8	7	9	6	30
Psychiatric	Dr. L. P. Shah	18	8	4	-	30
	Dr. S. S. Mahatme	18	8	4	-	30
Neure-Surg	Dr. S. K. Pandya	18	10	8	-	36
Neurology	Dr. P. U. Shah	22	6	4	-	32
Paed Med	Dr. M. D. Shah	-	-	30	2	32
	Dr. P. W. Kandoth	-	-	30	2	32
	Dr. N. B. Kumta	-	-	30	2	32
Paed Surg	Dr. S. S. Dehmukh	-	-	40	-	40
Plastic Surg & Burne	Dr. S. Goleria	16	14	10	12	52
Thoracic Surg	Dr. G. B. Parulekar	18	11	3	-	32
	Dr. R. A. Megotra	18	11	3	-	32
Cardiology	Dr. P. A. Kale	16	5	4	-	25
	Dr. A. S. Vengsarkar	16	5	4	-	25
Chest Clinic	Dr. S. R. Kamat	15	12	3	-	30
Urology	Dr. D. S. Pardanani	16	9	5	-	30
Drug Trial	C I B A	-	-	-	10	10
	C I P L A	-	-	-	10	10
	U N I C H E M	-	-	-	10	10
T O T A L		709	561	285	60	1615

N. B. (@) **10 Beds of Nephrology Unit are inclusive in Medical Units.**

A P P E N D I X - II-A

Ward	Service	Name of the Head of the Service	Unitwise allocation of Beds of wards	Total Schedule Strength
1	2	3	4	5
I	Paediatric	Dr. M. D. Shah	30	60
	Medical	Dr. N. B. Kumta	30	
II	Paediatric Med	Dr. P. W. Kandoth	30	
	Paediatric Surg	Dr. S. S. Deshmukh	15	
	Psychiatric	Dr. S. S. Mahatme	4	60
	Psychiatric	Dr. L. P. Shah	4	
	Neurology	Dr. P. U. Shah	4	
	Div of End & Metab Disorder	Dr. S. D. Bhandarkar	3	
III	Gastroenterology	Dr. S. K. Mathur	2	
	Aural	Dr. S. B. Ogale	9	
	Aural	Dr. M. V. Ingale	10	49
	Paed Surgical	Dr. S. S. Deshmukh	25	
	Urology	Dr. D. S. Pardanani	3	
IV	Medical	Dr. (Smt.) K. P. Chavala	10	
	Medical	Dr. G. H. Tilve	10	

1	2	3	4	5
	Medical	Dr. P. D. Anjaria	10	
	Div. of End Met. Disorder	Dr. S. D. Bhandarkar	6	50
	Psychiatric	Dr. L. P. Shah	8	
	G. I. C.	Dr. Philip Abraham	4	
	Nephraelegy	Dr. V. N. Acharya	2	
IV-A	Medical	Dr. Philip Abraham	10	
	Medical	Dr. S. G. Dalvi	11	
	Medical	Dr. C. P. Dalvi	11	50
	Psychiatric	Dr. P. U. Shah	6	
	Haematology	Dr. B. C. Mehta	2	
	G. I. C.	Dr. Philip Abraham	2	
V	Surgical	Dr. R. D. Bapat	22	
	Surgical	Dr. C. V. Patel	22	48
	G. I. C.	Dr. R. D. Bapat / Dr. S. K. Mathur	4	
VI	Surgical	Dr A. B. Samsi	20	
	Surgical	Dr. S. G. Sheney	20	48
	Urology	Dr. D. S. Pardanani	8	
VII	Surgical	Dr. S. K. Mathur	19	
	Surgical	Dr. J. V. Hardikar	19	54
	Aural	Dr. S. B. Ogale	8	
	Aural	Dr. M. V. Ingale	8	
VIII	Surgical	Dr. S. K. Mathur	6	
	Surgical	Dr. A. B. Samsi	6	
	Surgical	Dr. R. D. Bapat	6	
	Surgical	Dr. C. V. Patel	6	
	Surgical	Dr. S. G. Shenoy	6	54
	Surgical	Dr. J. V. Hardikar	6	
	Aural	Dr. S. B. Ogale	7	
	Aural	Dr. M. V. Ingale	6	
	Urelogy	Dr. D. S. Pardanani	5	
IX	Medical	Dr. S. G. Dalvi	20	
	Medical	Dr. P. D. Anjaria	20	50
	Haematology	Dr. B. C. Mehta	10	
X	Psychiatric	Dr. L. P. Shah	7	
	Psychiatric	Dr. S. S. Mahatme	7	54
	Neuro-Surgery	Dr. S. K. Pandya	18	
	Neurology	Dr. P. U. Shah	22	
XI	Medical	Dr. Philip Abraham	20	
	Medical	Dr. G. H. Tilve	20	50
	Div of End & Metab. Diserder	Dr. S. D. Bhandarkar	10	
XII	Medical	Dr. (Smt) K. P. Chawla	20	
	Medical	Dr. C. P. Delvi	20	
	G. I. C.	Dr. Philip Abraham	6	50
	Nephrology	Dr. V. N. Acharya	4	
XIII	Ophthalmic	Dr. Y. K. Dastur	30	60
XIII-A	Ophthalmic	Dr. A. D. Adrianwalla	30	

1	2	3	4	5
XIV	Obst.	Dr. S. V. Parulekar	29	
XIV-A	Obst	Dr. M. S. Bhatacharya	29	
L. Wd	Obst	Dr. S. S. Sheth	28	
W. Wd	Obst	Dr. A. M. Virkud	29	
P. O. W.	Obst	Dr. U. R. Krishanan	29	178
P. P. S.	Obst	Dr. I. N. Hinduja	28	
	Premature	Dr. M. D. Shah	2	
	Premature	Dr. P. W. Kandoth	2	
	Premature	Dr. N. B. Kumta	2	
XV	Gyn.	Dr. S. V. Parulekar	10	
	Gyn.	Dr. M. S. Bhattacharya	10	
	Gyn.	Dr. S. S. Sheth	10	
	Gyn	Dr. A. M. Virkud	10	
	Gyn.	Dr. U. R. Krishanan	10	60
	Gyn.	Dr. I. N. Hinduja	10	
XVI XVI-A	Plastie Surg & Burns	Dr. K. S. Goleria	52	52
XVII/ XVIII	Isolation, Skin & Veneral	Dr. R. J. Fernandes	2 32	38
	G. I. Clinic	Dr. Philip Abraham	4	
XIX	Psychiaitric.	Dr. L. P. Shah	11	
	Psy.	Dr. S. S. Mahatme	11	22
XX	Surgical	Dr. A. B. Samsi	4	
	--"--	Dr. S. G. Shenoy	4	10
	--"--	Dr. C. V. Patel	4	
XXI	Aural	Dr. S. B. Ogale	6	12
	--"--	Dr. M. Vv. Ingale	6	
XXII	Tetanus	Dr. Philip Abraham	24	24
XXIII	General Surg	Dr. R. D. Bapat	2	
	G. I. C.	Dr. S. K. Mathur	6	
	Thoracic Surg	Dr. A. G. Tendulkar	4	16
	--"--	Dr. R. A. Magotra	4	
XXIV	Drug Trial	C I B A	10	
	--"--	C I P L A	10	30
	--"--	U N I C H E M	10	
XXV	Othopaedic	Dr. A. V. Bavdekar	20	40
	--"--	Dr. S. K. Bhandare	20	
XXVI	Orthopaedic	Dr. L. N. Vora	6	40
	Orthopaedic	Dr. C. G. Pradhan	6	
	--"--	Dr. A. V. Bavdkar	7	
	--"--	Dr. M. N. Shahane	7	
	--"--	Dr. R. S. Dhir	7	
	--"--	Dr. S. K. Bhandare	7	
XXVII	Orthopaedic	Dr. C. G. Pradhan	20	
	--"--	Dr. R. S. Dhir	20	40
XXVIII	Orthopaedic	Dr. L. N. Vora	20	

1	2	3	4	5
	Orthopaedic	Dr. M. N. Shahane	20	40
XXIX	Orthopaedic	Dr. C. G. Pradhan	14	
	–"–	Dr. RS Dhir	13	40
	–"–	Dr. S. K. Bhandare	13	
XXX	Orthepaedic	Dr. L. N. Vera	14	
	–"–	Dr. M. N. Shahane	13	40
	–"–	Dr. A. V. Bavdekar	13	
XXXI	Thotacic Surg	Dr. G. G. Parulekar	28	
	–"–	Dr. R. A. Magotra	28	56
XXXII	Cardiology	Dr. P. A. Kale	25	55
	Chest Clinic	Dr. S. R. Kamat	30	
XXXIII	Neure-Surg	Dr. S. K. Pandya	18	18
XXXIV	Nephrology (A.K.D.)	Dr. (Smt) V. N. Acharya	18	18
XXXIV-A	Nephrology	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.W.	Surgical	Dr. S. K. Mathur	5	10
	–"–	Dr. J. V. Hardikar	5	
		TOTAL		1615

APPENDIX II

DEPARTMENT	SEX	In the Hospital at the midnight of 31.12.89	Admitted during the year 1989	Total treated	Discharged cured	Discharged otherwise	Died	In the Hospital at the Mid-night
1	2	3	4	5	6	7	8	9
MEDICAL	Male	162	9887	10049	7226	1219	1425	179
	Female	110	5557	5687	3987	911	706	89
	M/c	4	34	38	15	11	12	-
	F/c	2	37	39	19	12	8	-
SURGICAL	Male	126	8259	8385	7329	496	439	121
	Famale	52	2931	2983	2385	311	245	42
	M/c	-	6	6	5	1	-	-
	F/c	-	6	6	6	-	-	-
OPTHALMIC	Male	32	1415	1447	1226	186	1	34
	Feamale	27	1044	1071	967	77	-	27
	M/C	3	110	113	68	44	-	1
	F/C	1	56	57	41	15	1	-
GYN.	Female	52	3229	3281	3169	50	3	59
SKIN	Male	13	232	245	135	94	4	12
	Female	2	83	85	59	18	2	6
	M/C	-	13	13	10	3	-	-
	F/C	-	6	6	4	2	-	-
AURAL	Male	12	1271	1283	1089	173	4	17
	Famale	7	911	918	716	190	4	8
	M/C	2	335	337	211	124	-	2
	F/c	-	266	266	188	78	-	
ORTH	Male	187	2679	2866	2120	435	70	232
	Famale	81	1060	1141	702	294	47	98
	M/c	23	465	488	342	129	1	16
	F/c	11	249	251	165	66	2	18
PSY	Male	17	1006	1023	524	475	1	23
	Female	7	348	355	203	144	1	7
	M/c	-	13	13	8	4	1	-
	F/c	-	5	5	3	2	-	-
NEUROLOGY	Male	17	315	332	214	88	9	21
	Famale	7	126	133	65	61	2	5
	M/c	2	31	33	17	14	-	2
	F/c	4	24	28	15	12	31	-
NEURO-SURG	Male	32	329	351	195	108	31	17
	Famale	10	85	217	138	52	22	13
	M/c	5	60	74	39	23	9	3
	F/c	4		49	28	16	3	2
PAED SURG	M/c	41	48	1819	1476	226	80	37
	F/c	19		842	619	146	59	18
PAED. MED.	M/c	35	954	39	1155	444	355	35
	F/c	35	1359	1381	768	324	274	31
OBST	Famale	137	7466	7603	7469	-	18	116
	M/c	-	-	-	-	-	6	-
	F/c	-	-	-	-	-	3	-
CARDIOLOGY	Male	22	788	810	477	215	88	30
	Female	4	366	370	218	118	24	10
	M/c	4	3222	226	159	53	10	4
	F/c	1	136	137	75	56	5	1
THORACIC	Male	22	588	610	267	292	51	-
SURG.	Famale	23	502	525	227	266	32	-
	M/c	8	151	159	60	71	28	
	F/c	5	97	182	448	44	10	-

1	2	3	4	5	6	7	8	9
CHEST	Male	16	402	418	147	189	72	10
CLINIC	Female	7	244	251	98	99	46	8
	M/c	1	16	17	4	2	11	-
	F/c	2	10	12	6	3	3	-
PLASTIC	Male	20	336	356	113	217	5	21
SURG	Female	11	255	266	89	119	47	11
	M/c	4	115	119	51	66	-	2
	Fc.	1	66	67	32	31	-	4
DIV OF	Male	6	75	81	33	38	4	6
ENDO	Female	8	65	73	28	37	2	6
	M/c	-	3	3	3	-	-	-
	F/c	-	1	1	1	-	-	-
HAEMATOLOGY	Male	2	96	98	38	42	15	3
	Female	1	26	27	11	6	10	-
	M/c	-	16	16	12	3	-	1
	F/c	-	3	3	3	-	-	-
UROLOGY	Male	18	725	743	621	101	1	20
	Female	3	134	137	93	43	-	1
	M/c	-	28	28	25	2	-	1
	F/c	-	5	5	5	-	-	-
PHARMACOLONY	Male	4	61	65	35	22	-	4
	Female	-	1	1	-	-	1	-
	M/c	-	-	-	-	-	-	-
	F/c	-	-	-	-	-	-	-
G. I. C	Male	-	102	102	61	18	18	5
	Female	-	74	74	54	9	7	4
	M/c	-	2	2	2	-	-	-
	F/c	-	-	-	-	-	-	-
NEPHROLOGY	Male	15	25	310	103	08	102	17
	Female	8	139	147	50	28	63	6
	M/c	-	1	11	3	-	8	-
	F/c	-	-	7	3	1	3	-
	Male	713	2886	29574	21957	4496	2549	772
	Female	557	24788	25345	20720	2833	1276	816
	M/c	132	5372	5504	3665	1228	521	104
	F/c	83	3194	3277	2029	805	372	74
	TOTAL	1485	62215	63700	28371	8350	4818	1466

APPENDIX - III

DEPARTMENTS	CASUALTY OLD OPD					NEW OPD				
	MALE	FEMALE	M/CH	F/CH	TOTAL	MALE	FEMALE	M/CH	F/CH	TOTAL
1	2	3	4	5	6	7	8	9	10	11
MEDICAL	3874	1247	24	16	5261	23813	16214	-	-	40027
SURGICAL	6589	1253	21	10	1873	15796	7398	13	5	23212
OPTHALMIC	483	31	9	5	5485	9495	6758	1318	1151	18622
GYNAEC.	-	78	-	-	78	-	12536	-	-	12536
DENTAL	13	2	2	-	17	2501	2169	425	350	5445
SKIN	44	5	-	1	50	9230	4077	2034	1494	16835
AURAL	262	46	10	4	322	8832	6141	2085	1606	18664
ORTHO.	2623	453	86	35	3197	16592	9252	2154	1179	29177
PSY.	178	6	-	-	184	4186	2030	428	1260	6924
NEURO SURG.	8	3	-	-	11	1642	723	315	198	2878
NEUROLOGY	3	1	1	-	5	1375	790	199	123	2487
PAED. MED.	-	-	337	284	541	-	-	5590	4239	9829
OBST.	-	20	-	-	20	-	4694	-	-	4694
DISPENSARY	-	-	-	-	-	-	-	-	-	-
DIABT	1	-	-	-	1	671	473	8	3	1155
PLASTIC SURG.	699	147	33	15	895	373	268	156	124	919
THO. SURG.	-	-	4	1	5	1525	1206	410	239	3380
PAED. SURG.	-	-	690	378	1068	-	-	933	333	1466
G. I. C.	-	-	5	1	6	752	401	8	5	1166
CARDILOGY	3	-	1	-	4	3322	2133	320	357	6332
ENDOCRINOLOGY	-	-	-	-	-	454	1672	46	33	2205
CHEST CL.	3	1	-	-	4	1530	890	78	36	2554
EPOLEPSY.	1	-	-	-	1	755	477	251	191	1674
UROLOGY	-	-	-	-	-	707	170	15	7	899
ARTH. CL.	-	-	-	-	-	193	283	16	5	497
SPORT CL.	-	-	-	-	-	428	40	8	5	481
NAEMATOLOGY	-	-	-	-	-	543	447	139	71	1200
CASUALTY	-	-	-	-	-	47221	19056	8202	4730	79209
DOG BITE	-	-	-	-	-	3157	815	1113	423	5508
O. T.	-	-	-	-	-	526	268	103	75	972
P. T.	-	-	-	-	-	3701	2674	213	135	6723
SEXCIOGY	-	-	-	-	-	656	86	-	-	742
P. G. I. C.	-	-	-	-	-	8	5	2	3	5
URINARY STONE	-	-	-	-	-	162	30	7	2	221
PAED. RHEU	-	-	-	-	-	-	-	9	2	11
PAED. NEPH.	-	-	-	-	-	-	-	8	4	12
STERILITY	-	-	-	-	-	717	3	-	-	720
GERIATRIC	-	-	-	-	-	33	18	-	-	51
ACCUPUN.	-	-	-	-	-	18	1	-	-	19
P & G	-	-	-	-	-	143	150	33	23	349
RENAL CL.	-	-	-	-	-	444	331	40	32	847
SCHOOL CL.	-	-	-	-	-	-	-	1829	1494	3323
NEONA.	-	-	-	-	-	-	-	230	206	436
WELL BABY.	-	-	-	-	-	-	-	1412	1093	2505
PAED. UROL	-	-	-	-	-	-	-	3	-	3
SPINE CL.	-	-	-	-	-	-	-	-	-	-
AYURVEDIC	-	-	-	-	-	35	32	3	1	71
ANORECLAL	-	-	-	-	-	3	1	-	-	4
P. CH. CL.	-	-	-	-	-	-	-	14	6	20
PAIN CL.	-	-	-	-	-	-	1	-	-	1
ANORECTAL	-	-	-	-	-	1	2	-	-	3
P. GENETIC.	-	-	-	-	-	-	-	3	3	6
GRAND TOTAL	14784	3413	1223	670	20090	161552	104750	30373	20346	317021

APPENDIX : IV

Details of Average cost per In-Patient & Out-Patients:

Particulars.	1988-89		1989-90	
	In-Patient (RS.)	Out-Patient. (RS.)	In-Patient (RS.)	Out-Patient. (RS.)
I. Establishment.	152.23	20.55	139.03	27.33
II. Contingencies.	02.22	11.40	00.84	13.45
III. Equipments.	03.96	01.18	03.94	01.47
IV Drugs.	33.71	18.98	41.03	23.10
V. Diet.	07.98	--	08.48	--
VI. Stores.	28.06	14.23	29.46	14.93
VII. Repairs & Maints.	C3.11	23.16	07.38	28.27
TOTAL :	231.27	89.50	230.16	108.55

APPENDIX - V

RESULTS OF EXAMINATIONS

Name of the Examination	April-1990		October-1989	
	Appeared.	Passed	Appeared	Passed
Ist M. B. B. S.	47	34	39	31
IInd M. B. B. S.	198	163	204	183
IIIrd M. B. B. S.	101	46	98	43
F. Y. O. T.	47	29	31	17
S. Y. O. T.	36	19	20	11
T. Y. O. T.	3	3	38	35
F. Y. P. T.	47	29	25	8
S. Y. P. T.	33	23	12	8
T. Y. P. T.	13	6	33	23
M. Sc. (O. T.)	5	4	-	-
M. Sc. (P.T.)	6	4	-	-
M. D. (Medicine)	18	8	-	-
M. D. (Obst. Gyn.)	13	9	11	4
M. D. (Pharmacology)	-	-	18	12
M. D. (Paed.)	9	8	17	13
M. D. (T.B. & Chest)	3	-	4	2
M. D. (Skin Disease)	1	-	-	-
M. D. (Anaesthesia)	4	4	10	9
M. D. (P.S.M.)	-	-	2	1
M. D. (Radiology)	1	1	2	1
M. D. (Psychological Med.)	-	-	5	5
M. D. (Human Physiology)	3	3	5	4
M. D. (Pathology)	2	2	-	-
D. N. (Cardiology)	(Result not declared)		6	5
M. D. (Nicrobiology)	2	1	4	2
M. S. (Gen. Surg.)	8	6	14	9
M. S. (Orthopaedic)	6	3	14	9
M. S. (Human Anateny)	2	2	2	2
M. S. (Neure Sirgery)	(Result not dechared)		2	1
M. S. (Plastic Surg.)	-"-	-"-	2	2
M. Ch. (Paed. Surg.)	-"-	-"-	-	-
M. Ch. (Urelogy)	-"-	-"-	2	-

Particulars.	1988-89		1989-90	
	In-Patient (RS.)	Out-Patient. (RS.)	In-Patient (RS.)	Out-Patient. (RS)
D. A.	10	10	3	2
D. V. D.	2	1	3	3
D. P. H. (Part-I)	2	1	1	-
D. P. H. (Part-II)	-	-	3	3
D. P. H. (Part-III)	1	1	5	4
M. S. (E.N.T.)	1	1	3	3
M. S. (Opthalaic)	-	-	8	4
D. M. R. D. (Part-I)	2	2	8	8
D. M. R. D. (Part-II)	1	1	5	5

A P P E N D I X - VI

R E S E A R C H :

DEPARTMENT OF CARDIOLOGY :

1. Study of 'Silent Myocardial Ischaemia'
2. Assessment of MVA comparison of haemodynamic and doppler gradient.
3. Ischaemic heart deseases in low socio-economic group.
4. Profile of acute myocardial infarction in Indian female patients.
5. Study of spcial procedures like septostomy.
6. Study of congenital hearts in neonatology.
7. 2-D Echo assessment of Ebstein's Anomaly.

DEPARTMENT OF UROLOGY :

A number of Reseach projects were carried out in the department during 1989. The highlights of these work included projects like

- Development and evaluation of the techniques of cryopreservation of semen.
- Doppler ealuation of subclinical varicocels.
- Endoscopic removal of ureteric stones uring loop catheters.
- Diagnosis and Management of Priapism.

Specialised Urologic Investigations :

A Highly sophisticated and exclusive investigative facility has been standerdised and investigative techniques like

a) Necturnal Penile Tumescence (NPT)

b) Deppler evaluation of cavernosal blood flow (Estimation PBI).

c) Dynamic Cavernosography.

d) E.N.G. and Dorsal nerve conduction studies are carried out regularly on a large number of patients referred to our Department from Bommbay and other Centres in India.

DEPATMENT OF SKIN V. D. AND LEPROSY

1) Prognostic evaluation of various treatment of Pemphigus vulgais using new scoring system.

2) A double-ling comparative clinical efficacy and safety stuudy of Ensammycin cream and Soframycin cream in the treatment of Primary Pyodermas'.

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Dr. M. S. Bhattacharyya :

1) Role of ultrosound in diagnosis of ectopic pregnancy, Journal Obst. & Gynec Indian, Page 134 vol. 38, No. 2,1989.
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Dr. S. S. Sheth :

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Dr. (Mrs.) S. A. Dahanukar.

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Medical Pharmacology for nurse
Sept. 1989, published by Vora Medical Publications.

DEPARTMENT OF PHARMACOLOGY : (TDC LAB.)

1) Joshi M. V., Pohujani SM, Mehta BC, Acharya VN, Kshirsagar NA. Effect of iron deficiency anemia and its treatment of single dosephenytoin pharmacokinetics. - Eur. J. Clin. Pharmacol.

2) Joshi MV, Pohujani SM, Jain SK, Kshirsagar NA, Shah PU, Acharya VN.
Phenytoin dose adjustments in Indian population.
J. of Assn. Phys. Ind.

3) Kshirsagar NA, Dalvi S.S., Joshi MV, Sharma S, Sant HM, Shah PU.
Phenytion and Ayurvedic preparation - interaction in epileptic patient.
Epilepsia.

4) Bicinequivalence of marketted diltiaxem preparations.
Eur. J. Clin. Pharmacelogy.

A P E N D I X : VIII

CONFERENCE, WORKSHOP, SEMINAR AND MEETING ATTENDED

Dr. M. S. Bhattacharaya : Professer & Head-Workshop attended :

1) New Delhi-from 1-3-89 to 11-3-89, National workshop on Curriculum Development for the Centre of Excellence.
2) Bombay-At Newzealand Hostel from 3-7-89 to 8-7-89 National Workshop on Centre of Excellence.
3) Bombay- K.E.M. Hospital from 7-8-89 to 10-8-89 workshop on Standard Male and Female Sterilisation.
4) Bombay - K.EM. Hospital from 2-10-89 to 5-10-89 workshop on Standard in Sterilisaation.
5) Bombay - Panel Discussion on care of critically ill in Gynaecology on 25-11-89 at L.T.M.G., Sion, Hospital in First Nationaal Conference on Integrated care of critically ill.
6) Bombay - On panel Discussion in Advanced hand on workshop on Electrenic Fetal Heart Rate Menitering on 4-11-89 at N. Wadia Maternity Hospital arranged by Bombay Obstetrics & Gynaecology Society.
7) Bombay - Delivered Lecture on Train Twin Pregnancy in the Lecture course arranged by the Bombay Obstetrics and Gynaocological society on March 1989.
8) Bombay - Deliverd a lecture on Hypertenmion Disordere in Pregnenacy on 14-10-1989 in Seminar on Clinical Research Methodology in K.E.M. Hospital.

Dr. S. S. Seth - Hon. Professor :

1) W. Germany - Laparoscopic Sterilisation Camps in Rural Area. Removal of Extrauterine IUDs by the gaginal route with Laparescepic assistance' at Francaklinik Kiel University.
2) Bombay - 9th World Congress on Juvenile and Adelescent Gynaec and Obst. In Feb-March 1989.
3) Calcutta - Asia Oceania Federation of Obstetrics and Gyanacolegy in March 1989.
4) Bombay - Indian Association of Gynacological Endoscopy in April- 1989.
5) Bombay - XVII Bombay Obstetrics & Gynaocological Society's Annual Cenference in April - 1989.
6) Cochin - XI All Kerala Obstetrics & Gynaocological Congress, in May 1989.
7) Asansol - 4th Annual Conference at Asansol Obstrence at Asansol Obstretrics and Gynaecological Society Dec. 1989.
8) Jamshedpur - Third Annual Congress of the Indian Assesication of Gynaecological Endoscoppists, Dec. 1989.
9) Patna - All India Obstretrics & Gynacelogical Congress. December - 1989.

Dr. Usha R. Krishna - Hon. Professor.

1) Bombay - Seminar at BARC on 'Recent Advances in Fertility' Lectour on Infection and Infertility, February-1989.
2) Calcutta - WHO workshop on MCH-Speko on Maternal Mertality. March-1989.
3) Baroda - Seminor on Recent Advances in Infertility, Sopke 'Perinatal Infections' March - 1989.
4) Bombay - Bombay Obst. & Gyance. Society Confernce, Lecture on 'Prestaglandias in PPH; April 1989.
5) Kerala - Obst. & Gyance Society & FORGSI meeting. Spoke 'Mifepristone in Ectopic Progracy' May - 1989.
6) Pune - Research advisory Committes Meeting, K.E.M. Hospital, July-1989.
7) Nagpur - CME Programme - Spoke on 'Recent Advances in Adolescent problems' September - 1989.

Dr. S. R. Patel - Lecturer :

1) Bangalore - Extrahopatic Portal Hypertension and preganancy presented at All India gatroenternaterelogy Conference hold in October-1989.
2) Bombay - Cytology A Screeing technique for cervical cancer presented at All India 33rd Obstetrics & Gynaecology Conference in December 1989.

Dr. V. S. Salvi - Lecturer.

1) Mysore - All Indian Obst. & Gynace. Canference, Presented paper on Destructive Operations in Obstructed labour.
2) Bombay - International Confererice of Juvenive and Adele. Gynaecology, 'Menstrual Dysfunction and Delayed merarche in Indian Athlates'
3) Bombay - Bombay Obstetrics & Gynaecology Conference' Attitudes to Breech presentation in Teaching Institution.

DEPARTMENT ORGANISED WORKSHOPS AND SCIENTIFIC PROGRAMME

1) National workshop on Centre of excellence held at Newzealand Hostel from 3-7-89 to 8-7-89.
2) Workshop on Training of Trainees in Standards of male and Female Sterilization held at K.E.M. Hospital from 7-8-89 to 10-8-89.
3) Workshop on Standard in Sterilization held at Bombay, K.E.M. Hospital from 2-10-89 to 5-10-89.
4) Organised workshops and seminor on Clinical Research Methodology at K.E.M. Hospital on 13th October and 14th October 1989.
5) Organised Scientific Programme on 4th December 1989 at K.E.M. Hospital,with Royal College of Obstetrics & Gynaecology - invited five distingaished delegates from United Kingdom.

DEPARTMENT OF PATHOLOGY :

1) Paper presented at 420th Staff Society Meeting - 'Primary Pulmonary Hypertension'.
2) Paper persnted at 38 th Annual I A P K conference - Bombay.

   a) Truncus Arterissue - An autepsy study.
   Dr. M. Desai, Dr. J. Deshpande, & Dr. S. G. Kinare.

   b) Common Atrieventricular Caval An Atepsy study.
   Dr. A. Sivaraman, Dr. J. Deshpande & Dr. S. G. Kinare.

3) Visiting Post-Decteral fellow -

   April 15th to August 15th at the Department of Pediatric Pathology (Cardiac pathology division) College of Physicians & surgeems of Columbia University, New York.

   a) Studied Cardiac Biopaied is Cardiac Tranplant and mentransplant cases.
   Studied Techniques of election microscopy and Immunecy chemistry as applied to Cardiac material.
   Project study cases of Chrenic Rejectionin to pediatric age group and also the conduction system in cardiac Transplante.

   b) Attended workshop on congenital Heart Deseases, Conducted by Dr. Van Pruagh at Bhoston, USA, in July 1989.

   c) Visited department of Cardievascular Pathology at the Armed Forces Institute of Pathology, Washingran.

Papers presented during 2nd National Comference of Indian Society for atheresclerosis reach at Trivendruum on 12-13 Jan, 89.

1) Chelesterel synthesis in leucecytes and its suppression by LDL
By Neeta Shenvi and S. P. Tagkar.

2) LDL uptake and metabohlan in Canine caretids.
By Surekha Tanksale and S. P. Takkar.

3) LDL/LOC (Total Ratio as a disgnestic marker for ANI.
By Raina Mehra and S. PP. Taskar.

4) Evaluation of risk of cerenary heart disease in terms of ratles of total chelesterel/HDL cholesterol in apparently healthy population.
By Anuradha Taskar, S. P. Taskar and K. G. Tanksale.

Papers presented during XVth Annual Conference of Assectiation of Clinical Biochemists of India (ACBI) at Jammu in May-1989.

1) Lipid Prefile in Nephretic patients.
By Vaijayanti Pradhan & S. P. Taskar.

2) Biechemical stuudies in Polymorphomuclear leucecytes in patients suffering from Rheumatio heart disease (RHD)
By Jyoti Sawant and S. P. Taskar.

3) Effect of Pretein emergy malnutrition on pancreas.
By Smita Keni and S. P. Taskar.

4) Evaluation of Ape Levels in patients suffering with AMR.
By A. P. Taskar, K. G. Tanksale, S. P. Taskar.

5) Frequuency of apopretein abnermalities in corenary heart disease by Dr. S. P. Taskar.

Guest Lectures By : Dr. S. P. Taskar :

1) Cardiac risk assesament by apolipopretein. Al and B. During 2nd National Conference of Indian Society for atherescierstic research on 11-12 Jan. 89.

2) 'Atheroscleresis : Basic cencepts and some recent Biechemical advances'. During the first National seminor on Climical Nutrition in Vascular medicine on 17th Sept. 89.

3) 'Lipopretein profile of Indian adolecents' During the Climical sympssium on Pediatric Metablic diserders on 8-9 Feb. 89.

IMMUNOLOGY DEPARTMENT (DR. SMITAL BIJUR)

Papers presented at Conferences :

1) Quantitation of IgG & IgM specific antiheart antibedies (AHA) in post operative caridac cases - a follow up study.
S. M. Jambetkar, P. R. Sharstry, J. A. Karbase,B. Nalesh & S. G. Kinare.

2) Antimyosix antibodies in acute rheumatic fever (ARF) and mycoarian infarction (M.I.)
P. R. Shastry, S. M. Jambethar, P. W. Kamdeth, B. V. Dalvi and S. G. Kinare.

3) In uters immunisation of the fetus by tetamus texoid (T.T.) Immunesation of the mother.
E. R. Iyer, P. R. Shastry, S. F. Irani and F. D. Dastur.
(1, 2 & 3 At the XVI Annual Conference and symposium on Trepical Immunology conducted by Indian Immunelogy Society)

4) An analysis of the brenchealveslar lavage cytology and the asbestos body counts in asbestes factory workers.
S. Bijur, L. Prabhakaran, S. G. Kinare, P. Nair & S. R. Kamat. Presented at the 36th Annual Conference of the Indian Assecialion of Pathologists and Micrebiclogists.

5) The occurance of Rasette Inhibitery Facetr (S) & a decreased T. Lymphocyte count in pulmenary tuberculesis.
S. Bijur, L. Prabhakaran, S. G. Kinare, P. Nair & S. R. Kamat.
- Comtemparery spinal surgery in India' - a study of 104 operated cases at :
- Worner wicker Klinik - West Germany.
- Hospital do la Conception - Marselller, France.
- Kantonspittal - St. Gallen - Switserland & Inselspittal Univ. of Born.

Dr. K. R. Manelkar - Reader :-

- External Fixation - Principles & Practice' - Ist National Confernce on Intensive Care of the Critically Ill - Sion Hosp. No. 1989.

- External Fixation in compound fractures - Silver Jubilee Conf. BOS - Dec. 89.

Important achivements of the Staff & Departments :

Dr. M. N. Shahane - Hon. Professor.

1) Conducted CME programme on 'Surgery of the Adult Knee' at Seth G. S. Medical College on 14th Dec. 89 as a part of the Silver Jubilee Conference of Bombay Orth. Society.
2) Participated in western Pacific Orth. Asseciation Meeting in Singapore from 22nd - 26th Nov. 1989.
3) Participated in the sympesiuum on 'Open fractures' at the annual Comfernce of Karnataka Medical Asseciation in Mysore 18-19th Feb. 1989.
4) Attended International Conference on Post Lumbar Interbody Fusion at Goa on 4-5-6 Oct. 1989.

Dr. S. Y. Bhoiraj - Reader :

1) Awarded AO Fellowship on Spinal Surgery at the Inselspital University of Born, Switzerland.
2) Birla Smarak Scholarship for specialised training in spinal surgery in West Germany, Marseilles and Switzerland (Bern)
3) Invited to speak on 'Low Back Ache' at Nehru Centre, Bombay by the Regional branch of Retary Club of Bombay.
4) Since No. 1989 the Unit (Dr. S. Y. Bhojraj) has been recegnised as the 'Nourespinal Unit' which is first of its kind both in the Municipal as well as Government Hospital.

Department of Orthopaedic Surgery organised :

a) Spinal Update Meeting - January-March-May-July-September Nov. 1989.
(b) Trauma Uptate Meeting - February-April-Jun-August & Oct. 89.
(c) Spne Radislogy Meeting - Every month - Ist monday with Dr. Ravi Ramakantan - Reader - Radiology.
(d) Spine Nourelogy Meeting-Every month Since No. 88 Ist Wednesday 2.00 pm with Dr. Sohrab Bhabha, Reader Dept. of Neurology.

DEPARTMENT OF ANAESTHESIOLOGY :

Visit abroad :

Dr. Bharati Tendolkar, Reader in our department visited St. Luke Hospital (Howard) and Children General Hospital (Beston) in U.S.A. She brought out a very impportant point after her visit. As per her observation, they in U.S.A. are having an extensive service of menitering during anaesthesia and surgery which semetimes appears extravagant. We are at the other extreme depending rather too mach on our clinical judgement. Hence a bear minimum standard of menitering during anaesthesia must be observed.

Seminars & Sympsosia :

Dr. Sandhya Phadke, our Lecturer attended a symposium on Chest Trauma as pannelist at ATCTIS, Chandigarh, Dr. Lalita Dewelkar and pannelist on a symposium arranged by I. S. A., Bombay branch. The subject of discussion was Brenchial asthama (Aug. 89)

Dr. Lalita Tuteja - Faculty In Workshop on 'Sterlisation Technuque' Centre of Excellence - Feb. 1990.

Dr. Lata Chaudhari - Faculty In National Seminor on 'Up-date of Sergical Nursing' April - 1989. Sub : Anaesthesia for Endoscopy and Managment of some diffecult cases.

Dr. Surekha Kemath - Guest Lecture at H. A. L. Ozar (Nasik) Faculty In Job training programme and O. T. management organised by Civic Training Institute and Research Centre.

Dr. V. S. Shinde - Faculty in workshop at Centre of Excellence Sub : Anaesthetic management of female sterlisation cases. Partocoated in the clinical demonstration.

DEPARTMENT OF E. N. T.

Scientific papers presented at National & International conferences by staff members of department

1) Presented paper on 'Role of surgery in Meniere's disease in world Congress of Otelaryagologists held at Madrid, Spain Dr. S. B. Ogale.
2) Presented paper on 'The Contralateral car in scoustic Neuroma' at the 11th NES Congress, Bangalore - 1989 - Dr. Sadhana R. Nayak
3) Presented a paper on 'Small Fenestra Stapedectony' at the 41st Annual Conference of A.O.I. at Mysore - 1989 - Dr. Sadhana R. Nayak.
4) Accepted by I. J. O. - Leimyesarcema of mexilla - Dr. J. N. N. Sheeds.

Important achievement of the Staff and the department during the year,

-Conducted the following workshops in

XIIIth Temperal Bone Microsurgery workshop.

VIII th Nouretelogy workshop.

Ist BERA Workshop conducted by the department in 1989.

Any other information :

1) Dr. S. B. Ogale :

- Invited as visiting Professor at Parma, Italy.
- Invited as visiting Profescor at Nairobi Medical School, Kenya.
- Invited by Kenya Ear Foundation to conduct Ear Surgery Camp in different Centres of Kenya.
- Conducted along with the colleagues the Temporal Bone Neuretelogy and Eveked Response Audiometry workshop in the department.
- Invited as Guest Speaker at South Zone Annual Confernce held at Ooty.
- Conducted Stapedectomy camps in various rural places in M. P. Rahasthan and Chandrapur.
- Included as one of the investigator for National programme for prevention deafness.

Dr. M. V. Ingle :

President elect of association of Otclaryagelogist of India. to be installed as president of A. O. I. in 1990 at 42th Annual of A. O. I. in Pune.

- Invited as faculty mamber for CME programme for postgraduate in ENT at Manipal Medical College.
- Invited to conduct workshops in Calcutta National Medical College on Microsurgery of Ear, Neurotology and Nasal ednoscopy.
- Invited as faculty member for the Miscosurgery of the ear course at Maulana Azad Medical College, New Delhi.

- Invited for Guest Oration at Andhra State Conference annual at Kakinada.
- Invited as Guest Speaker at Beawar at Rajasthan State Conference.

Dr. M. V. Kirtane :

- Elected President of the Equilibriometric Society of India and also Editor of International Equilibriometric Socelty.
- Invited as Guest Speaker and to conduct course on Eddoscopic Sinuscopy Surgery at Calcutta
- W. Bengal branch, at Surat Gujarat south branch of ENT surgeon.

Dr. Sadhana R. Nayak

- Invited as a Panelist to speak on Functional Endoscopic sinus surgery for panel discussion on Topics of Current Interest at the Maharashtra State Zonal Conference.

Department of Gastroenterology :

Scientific papers presented at National and International Conferences :-

1) 29th Annual Conference of the Indian Socelty of Gastroonterelegy - Bangalore - 1989.
   i) Effect of sublingual Issserbide dimitrate on splenic pulp pressure in cirrhstic and mon cirr tic portal hypertension.
   ii) Evaluation of vegetable samosas as a testmeal for modified sham feeding.
   iii) Monocyte function in asymptionatic carriers of hepatitis B sufface antigen.

2) Right to left hepatic lobe isotope uptake ration in cirrhotic. Annual conference of the Indian Association for study of the liver, Bangalore - 1989.

3) Effect of Jactobacilli on intestinal anaerobic flora and intestinal gas. XIV Interenational symposium on Microbial ecology and disease. Texas, USA 1989.

Important Achievements :

Awards :

2nd best poster awards received for 'Mnocyte function in asymptomatic carriers of HBsAg' Banglore 1989.

Scientific conferences :

a) Dr. Philip Abraham and Dr. Shobna Bhatia attended the annual Confernce of the Indian Society of Gastrcenterology and presented papers.

b) Dr. Philip Abraham attended a seminor on 'Writing, Editing and publishing' at Lucknow.

Invited Lectures : Dr. P. Abraham delivered six invited lectures at differnt institutions in the country.

Visitors :
1) Axom ATR, consultant physician, General Difirmary Leeds, U. K., delivered a lecture on Endoscopic Management of Jaundice 21- 4-89.

2) Murray J. R., Medical Advisor, Gist Brecades, delivered a brief on 'De-Nol' - 21-4-89.

3) Mehta S. K. Prof. & Head Dept. of G. E., P. G. I. Chandigarh.

DEPARTMENT OF HAEMATOLOGY :

Scientific papers presented by department during the year 1989-90.

A) Joint Annual Conference of Association of Physicians of India, Calcutta, Jan. 1989.
   a) Netaju Oration : Iron Deficiency - Prevalence & Problems in India. (Dr. B. C. Mehta)

b) Naematological malignancies in elderly group (Dr. B. C. Mehta)
c) Chreme Myeland Leckemia clincal aspects. (Dr. B. C. Mehta)

B) Bombay Haematology Group Annual Conference' Feb. 89.
a) Iron Deficiency Disease (Dr. B. C. Mehta) CME Programme.
b) EQASH-H, A Preliminary experience (Miss Goral Mehta)

C) Annual Confernce of India Soceity of Haematology & Blood Transfusion, Berhampur, Nov. 1989.
a) Sickic Cell Diserder - Haemotological aspocts (Dr. B. C. Mehta)
b) Hemolve - A New devies for Hb estimation (Goral Mehta)
c) No - A Nov - B Hopatitis in Homophiliaes. (Dr. Yogin Patel)

Important achievement of staff : Prof. B. C. Mehta.

- Vice president, Interational Society of Hematology - Asian Pacific Division.
  Editor, Indian Journal of Hematology.
- President, Bombay Hemotology Group.
- Treasuere, K.E.M. Hospital & Seth G. S. Medical College Research Soceity.
- Participant is sympesium on Sickly Cell diserders at the 30the Annual Conference of Indian Society of Hematology and Blood Tranfusion, Berhanpur.
- Guest Lecture, International Symposium in Clinical Nutrition Bombay.
- Faculty Member, CME in Hematology, Ahmedabad, 1989.
- Guest Speaker, Seminar on AIDS, Sholapur Medical Association, Sholapur, 1989.
- Chairman & Guest Speaker, Seminar on Perinatal Hamatological Discrderp, Indian Society of Perinatology and Rspreductive Biology, Western Zone, 1989.
- Delivered Annual Scientific Oration at Vivek Institute of Medical Sciences, Calcutta, July - 1989.
- Charman, Scientific Section, APIOO Calcutta, 1989.
- Coveror & Faculty Member, CMD at APIOCON, Calcutta, 1989.
- Guest speaker Symposion on 'Currext practice in transfusion Medicine' Staff Seoiety, B. Y. L. Nair Hospital & T. N. Medical College, December - 1989.

DEPARTMENT OF MEDICINE :

Scientific papers presented at National & International Conferences by staff members of Department.

Papers read at 1st National Confernece on Intergrated Care of oritically Ill, Bombay.

i) Sequences of colonizaiton and pneumonias in trachestemised ICU patients.

ii) Clinical scering system to assoss of illness incritically ill patients.

iii) Safety and factors affecting success of the precedures for cortain venous catheterisation.

iv) Multiple ergan systom failure fallewing obstotric diseases.

Papers read at Nuclear Medicine Confernce, Luoknow :

i) Comparative study between HIDA scan and ERCP in patients with e obstructive jaundice.
ii) Role of skeletal scintigraphy in early prediction of avascular mccrosis of femoral head. One year experience at K.E.M. Hospital, Bomay.
iii) Role of dynamic hepatesplenic blood flow studies coupled with liver scan to differentiate between cirrhosis and non-cirrhotic portal hypertension - A preliminary report.
iv) TC-99 Methylence Dephssphenate (MDP) bone scintigraphy in chrowic renal failure - a preliminary study.

Pepers read at IRA, Chardigarh Conference :

i) Aids and rheumatic manifestations.

ii) MCTD and Spectrum of auteantibedies.

iii) Bronchoalveolar lavage in rheumatoid arthritis.

Papers presented at Joint Annual Confernce of Association of Physicians of India, Calcutta.

i) Clinical profile and norbidity in streke.
ii) Clinical profile of an indoor centurian.
iii) Observations of pattern of diseases in the elderly.
iv) Usage of Nifidepine in emergency tratment of hypertension.
v) Drug prescription of tranquiligers, anti - depressenta in the elderly.

Papers read at Mid-term Conference of Geriatric Society of India - October - 1989.

i) Management of hypertension in the elderly.
ii) Management of diabetes - hypoglycemia.

Papers tead at First National Seminar on Clinical Nutrition **and Vascular Medicine - Sept. 1989, Bombay.**

i) Natritional aspects of hypertension.

Papers read at XV Annual Conference of Pharma cologists of Maharashtra, Miraj.

i) Oesephagocytic astivity in trachecstemosed patients.

Papers read at 41st Indian Pharmaceutical Congress, Bombay.

i) Potential for use of intravenous immunoglobulis in infection.

Scientific papers published in National and International **Journals :**

i) Captopril for correcting diuretic induced hypertension in pulmonary cedoma after scorpion sting. Karnad DR.
Dee AR, Apte NM, Lohe AS, Thatte S, Tilve GH, Br. Med. J. 1989, 298, 1430-1.

ii) Dees diet have may role in the treament of rhcumatoid arthritis? Jyotana Oak, Tilva GH, The Indian Practitioner, 1989, Nov.

iii) Variations in normal hepatebilitary scintigraphy in Indian population. CB Bhatt, NB Kamdar, GH Tilve, Journal of Post- graduate Medicine, April 1989, Vol. XXXV No. 2.

iv) Immunoprofile of pulmonary Tuberculesis - Comparisen with normal healthy controls : Geeta G. Bhave, AV Pathare, C. Dadhan L. Chabria and S. G. Dalvi. J. Postgrad. Med. 35-24-29, 1989.

v) Charemic Bremchitic IV - Antibody titers to backerial antigens during acute exacerbations, S. G. Dalvi, A. V. Pathare, Geeta G. Bhave and Neelam M. Wagle.
J. Postgrad. Med. 35 : 30-35, 1989.

vi) Idiopathic extensive spontancous venous thrombesis - A case Report. A. V. Pethze, R. R. Patil, A. A. Chikhalikar and S. G. Dalvi.
J. Pasrgrad, Med, 35 : 108-111, 1989.

vii) Intergenusogeruc empyema - An unusual from of subdural empyema. J Lalkaka, JM Parikh, AR Nath, YV Maisheri, US Vengsarkar, DV Deshpande : JAPI Vol. 37 : 1989 : 394-396.

viii) Modified Sham feeding and the congered test in determining completencess of vagotomy. P. Abraham, RA Meneze, CB Bhatt, DP Pipalia, KC Patel,
Indian J, of Gastroenterology : 1989, 8 : 145-147.

ix) Corebello-pontine angel epidermoid cysts - A report of 30 cases. CE Desouza, R. Desouza, HB Dacesta at al : Journal of Neurology, Neuresurgery and Psychiatry. 1989, 52 : 967-72.

x) Profile of congenital cholesteatemas of the Petreus apex. CE Dessuza, CO Menezes, RA Desouza, SB Ogale, M? Morris, AP Desai.
J. of postgraduate Med. 1989 : 35(2), 93-97.

xi) A prescription in the elderly sedatives, tranquillizers and antidepressants.
The Indian practioner 1989, XLII No. 3, 1989. 199-200.

xii) Intracranial suppuration. The J. of the Assn. of Physicians of India. 1989, Vol. 37, No. 6, 363-4.

xiii) Cerebral cysticercesis with hydrecephalus.

The Indian Practitioner, 1989, XLII, No. 7, P. 363-4.

xiv) Hypertension : Current concepts - symptomotology - IP 1989 XLII No. 9, P. 723-26.

xv) Hypertension : Current concepta - histerical aspects. IP. 1989, XLII No. 7.

xvi) Epidemilogy of coronary heart disease. Jl. of the Assm. of Phys. of India, 1989, Vol. 37, 479-80.

xvii) Phosphorous poisoning (rodenticide) a case report - IP 1989 XLII No. 11.

xviii) Hypertensive intracrebral heamerrhage. Is Surgery requirs Jl. of Assm. of Phys. of India. 1989, Vol. 37, No. 12.

xix) Hypertension : Currant aspects.

Important achievements of the staff and the Department during the year, visit of staff members to attend scientific conference courses, seminars, training etc. :

1) Dr. G.H. Tilve is appointed as Vice-President, Indian Rheumation Association from Jan. 1990.
2) Dr. S. G. Dalvi was invited to part of Inspection Term sent by the Maharashtra Medical Council for Inspection of the Medical Colleges and the IIIrd MBBS Examinations in May, June and Nov- 1989.
3) Dr. M. E. Yeolekar and his staff organised 1st National Seminor on Clinical Nutrution in Vascular Medicine under the suspicious of K.E.M. Hospital staff socelty and CME of MNAMS (India) in September - 1989.
4) Dr. Y. V. Meisheri was transfered from B. Y. L. Nair Hospital to K.E.M. Hospital to take over as Unit Chief in one of the Medicine Unit in the capacity of Reader, in March - 1989. She was awarded degree of Diplomate of National Board in Respiratory Diseases in May 1989.
5) Dr. K. C. Patel, Hon. Asseciate of Medicine and Dr. N. M. Rathod Lecturer in Medicine has written a book titled' CLINICS IN INTERNAL MEDICINE' published in December 1989 with a forward note from the Dean, K.E.M. Hospital for undergraduate and Post- graduate studnets.

ACHIEVEMENTS OF DR. H. E. N. YEOLEKAR :

i) Selected to the membership of National Academy of Medical Sciences (India) which ontitle him for MNAMS (Med.) India.
ii) He has been awarded a Fellowhip of the International College of Nutrition in May 1989, which eatitles him for FICN.
iii) He has been co-opted for membership of the Board of Studies in Medicine and allied subjects by the Faculty of Medicine, University of Bombay from 17th Oct. 1989.
iv) He has been selected as the Zonal Oc-ordinator of Western India by the geriatric Society of India from Jan. 1989.

DEPARTMENT OF SURGERY :

Scientific papers presented at National & International Conforence by the Staff members.

Annual Conference of Maharashtra Chapter of ASI 17-19 Feb. 89 - Dhule :

1) Pncumatic dialtation for achalasis cardia Result and followup. Dr. A. B. Samsi, Dr. R. D. Bapat, Dr. A. N. Supe.
2) Significancè of investigative aids in gall bladder diseases, Dr. R. D. Bapat, Dr. A. S. Kanbur, Dr. S. Pandit, Dr. Ralekar.
3) Comparative study of Modified Freyerds with Classical Freyer's with Milin's prestatectory. Dr. H. D. Bapat, Dr. S. K. Mathur, Dr. S. Pandit, Dr. Nitin Dandekar, Dr. R. G. Ralekar.
4) Medified technique of thyroidectomy for benign thyrolddiscase Dr. R. C. Relekar, Dr. A. R. Prem, Dr. Rahandia, Dr. R. D. Bapat.
5) Investgative adis in hydatid cyst disease. Dr. Rohandia, Dr. Relekar, Dr. R. D. Bapat, Dr. Mathur.
6) Pncumatic dilatation for Achala sia Cardio-Results and follow up.

Dr. A. B. Samsi, Dr. A. N. Supe.

7) Formalin is burns - A controlled prospective study.
Dr. A. B. Samsi, Dr. A. N. Supe.

8) Selective arterial vasopressin of lower GI heomorrhage.
Dr. A. B. Samsi, Dr. Supe A. N.

9) Role of Emergency Endoscopy in Upper GI heanorrhage.
Dr. A. N. Supe.

10) Factors influencing membidity and mortality in patients under going major Gastrointestinal Surgery. - Dr. A. N. Dalvi.

30th Annual Conference of the Indian Soceity of Gastreenterelogy held at Bangalore, 1989.

1) Follow up study of 50 cases of Pscudo-cyst of pancreas.
Dr. R. D. Bapat, Dr. R. G. Relakar, Dr. C. S. Rohondia.

2) Biliary Enteric Anastomosis.
Dr. R. D. Bapat, Dr. R. G. Relekar, Dr. S. R. Pandit, Dr. N. B. Kulkarni, Dr. A. S. Kasbur.

3) Inshemic Bewel Discase (IBD)
Dr. R. D. Bapat, Dr. R. G. Relekar, Dr. P. M. Iyer, Dr. Mrs. I. M. Vora, Dr. Ravi Ramakantan.

4) Prospective analysis of 35 cases of left colomic surgery.
Dr. R. D. Bapat, Dr. R. G. Relekar, Dr. K. M. Desai.

5) Bacteriology of bile and its relatics to post-operative merbidity following biliary surgery.

6) EST in management of portal hupertension due to Extrahepatic venous obstruction.
Dr. A. N. Supe.

7) Endoscopic diagnosis and management of non-variceal heamorrhage.
Dr. Dalvi, Dr. B. A. Kulkarni.

Intornational Symposium on portal hypertension and digestive organs held at Tokye, Japan, Feb, 1989.

1) Endoscopic & rediological appraisal of gastric varices.
Dr. A. N. Supe, Dr. A. N. Dalvi.

2) 3% Phenol in water as sclerosant.
Dr. A. N. Supe.

Important achievements of the staff and the department druring the year, visit of staff members to attend scientific confernce **courses, seminars, training etc.**

1) Dr. A B. Samsi, attended the x Annual National Course Helath and Hospital Administration held by ISHA at Bangalore.
2) Dr. Samsi was invited to deliver a lecture on 'Endotexin Shock at Annual Conference of ASI in december 1989.
3) Dr. Samsi was invited to speak on 'Surgical Infectious' at the P. G. Course of Maharashtra Chapter of ASI.
4) Dr. Samsi delivered a Lecture on 'Operation theater planning disinfection and asepsis for the 'Productivity Council of GBMC for advanced training for Nurses of Municipal hospitals.
5) Dr. Bapat was appointed as Secretary for Jagtik Marathi Parishad.
6) Dr. Bapat was invited as visiting Prefessor at Banglore at the Annual Gen. Surgery Post-graduate teaching programme.
7) Dr. Bapat was invited as a Panelist at 1st scientific Gastroentcrology meeting at ASI Conference held at varanasi.
8) Dr. Bapat was appointed as Chairman of Scientific Sesion at the 1st National Conference of Integra-ted care of critically ill.
9) Dr. Bapat participated in panel discussion on acute pancreatit i at a Workshóp on Hepatice-Panoreatice Biliary urgery conducted by International College of surgeons sat P.D. Hinduja National Hospital on 24th December 1989.
10) Dr. A. N. upe went abroad for training in 'urgical Endosscopy' at Department of Chiruglae Endoscopy, University of Hamburg, West Germany, under Prof. N. SSochendra in June & July 1989.

11) Dr. J. D. Mohite participated in the World Congresss on Pulmonary and critical care medicine hold during Nov. 12-15, 1989 at Bombay Hospital, Bombay.

12) Dr. J. D. Mohite participated in First National Conference on integrated casse and critically ill held during 24-26th Nov. 1989 at Sion Hospital.

13) Dr. Mohite attended Fourth Workshop & Technology transfer Programme on Head & Neck Cancer held during 2-6th December 1989 at Nanavati Hospital, Bombay.

DEPARTMENT OF ENDOCRINOLOGY :

Dr. Subodh Bansal, Dr (Smt) Sonu Advani, and Dr. (Smt) Nalini Shah attended the certificate course on Endocrinology & Diabeticss update held on 2nd to 4th January 1989 in Jaslok Hospital, Bombay.

Dr. S. D. Bhandarkar, Dr (Smt) Sonu Advani, Dr. Subodh Banzal and Dr. (Smt) Nalinin Shah attended the National Symposium & Workshop on Paediatric Endoorinology.

19-2-89 12.30 p.m.	Seminor Pacdiatric & Reconstructive Urology attended - Jaipur	Dr. A.C.G./M.S.K. S. V. C.
20-2-89 12.30 p.m.	-"- -"-	-"-
21-2-89 12.30 p.m.	-"- -"-	-"-
23-2-89 2.00 p.m	Discussion on imgt. of CA Bladd r talk presented.	Dr. M.S.K.
25-2-89 12.00 p.m.	Talk by Dr. Gerald Jordan at Bombay Hospital + issue transters in ure Gu varna Perineal approachshctre urethre	Dr. S.V.P. P.F.S.
22-2-89 to 2-3-89	Travelling follow-ship (Dr. S.G. Phadke) to Nadiad.	Dr. A.C.G.

March - 1989.

9-3-89 1.00 p.m.	Video movies shown by BARDAI Lahs 1. PCNL. 2 Poleys Cathetus.	Dr. D. SP/A.C.G./ SVS/MSK/PFS/ UAD/S.D.
1st to 11th March, 89.	Training session-Delhi 'Teaching currculum Developmnets'.	Dr. S. V. P.
29-3-89 12.30 p.m.	Talk on 'Our experience with Bheschrozocytema' medical Monthly meeting.	Dr. S. V. S.
30-3-89 12.30 p.m.	BUS meeting cases : 1) Bhimrao - (L) Hydatid disease 2) Rajkumar - Complicated Renal transplant. 3) Pitamber - (R) Renal Nephromia minicking hypervepluama 4) Talk of vericelce emboleza of cases by Dr. Deshmukh.	Dr. R. Ralekar
19th - 25th Mar., 89.	Visit to Manipal	Dr. A. C. G.
31-3-89 12.30 p.m.	Ure-rediology meeting.	

APRIL - 1989

7-4-89 12.30 p.m.	Ure-radiology meeting.	
15th to 16th April, 89.	5 th National Gongress of Sexology a) Workshop on Mgt of Brectile Dysfude-conducted by Dr. D.S.P. b) Paper on 'Role of Papaverine in diagnosis & mgt of Inpotence'. c) Paper of 'Role of Cavemesegraphy in Impotence'	 Dr. D. S. P. Dr. S. V. S. Dr. A. C. G.
21-4-89	Ure-rediology meeting.	
25-4-89	Merthality & Mortality discussion for monnths of Jan, Feb, March-89.	Dr. D.S.P.
27-4-89	Bus meeting Jaslok Hospital	Dr. A.C.G./S.V.S. P.R.S.

MAY - 1989

4-5-89 2.30 p.m.	Cases for Urology	Dr M.S K.
5-5-89 12.30 p.m.	Uro-radiology meeting.	
8-5-89 2.30 p.m.	Journal Review - J. Ural,. Nov. 88 1. Priapism - Review of 2. Papaverine solf imjection. 3. Methods of U - in dlln for URS. 4. New Technique for VIU	 Dr. P.F.S.
9-5-89 2.30 p.m.	Using on Bladder tumcure.	Dr. A. C. C./DSP.
16-5-89 2.30 p.m.	V-u Reflex in Adults. Merbidity-mortality meeting April-89 Flow cytomlvy in Urology.	Dr. P.F.S./ Dr. M.S.K./ Dr. P. F. S.
22-5-89 3.00 p.m.	Risk facters in calculous misease.	Dr. Prem.
26-5-89 2.30 p.m.	Prevention of Renal Calculi	Dr. A Bapat.
29-5-89 3.00 p.m.	Epidemiology of Renal Calculous disease.	Dr.Sharad Dhahode.
27-5-89 12.30 p.m.	Monthly meeting-Bus National Hosp.	Dr. S.V.S./M.S.K. Prem/A.S.B.

JUNE : 1989

2-6-89 12.30 p.m.	Uro-radiology meeting	
5-6-89 2.30 p.m.	Journal Review : 1. J. Ural Dec. 88 2. BJU 3. Cancet.	Dr. Prem/M.S.K.

8-6-89 2.00 p.m.	G-U Kechs - Epidenilogy, Pathogenesis, Clinical features, Investigations.	Dr. U. Deshmane/
12-6-89 2.00 p.m.	Talk on undescended Tests	Dr. U. Deshmane/ A. Bapat
16-6-89 2.30 p.m.	Uro-radiology meeting.	
19-6-89 2.30 p.m.	Quiz on Tumour markers. Dr. D.S.P.	
26-6-89 2.00 p.m.	Talk on Removascular Hypertension pathegenesis, pathology & Investigations.	Dr. M.S.K.
29-6-89 12.30 p.m.	Monthly meeting BUS bombay Hospital	

J U L Y 1989

7-7-89 12.30 p.m.	Ure-redilogy meeting	
13-7-89 12.30 p.m.	Ure redilogy meeting	
27-7-89 12.30 p.m.	Monthly meeting BUS, Sion Hospital.	Dr. N. S. K./ Dr. A. S. B.
29-7-89 2.00 p.m.	Visits to R. G. Stone Clinic	Dr. M.S.K./PFS/ SSD/UAD/ARP/ASB.

A U G U S T : 1989

4-8-89 12.30 p. m.	Ure-rediology	
31-8-89 12.30 p.m.	Memthly meeting - BUS- Tata Hospital	Dr. M. S. K./PPS/ ARP/ASB.

S E P T E M B E R : 1989.

8-9-89 12.30 p. m.	Ure-rediology meeting	
22-8-89 12.30 p. m.	Ure-radiology meeting	
21st - 24th Sept-89.	USI Annual Conference at Ahmedabad	Dr. D.S.P./MSK/ PFS/ARP
25-9-89	Workshop-seminar on PCNL/Endourology	Dr. D.S.D./MSK/ PFS/ARP.

O C T O B E R : 1989

6-10-89 12.30 p.m.	Ure-radiology meeting	
23-10-89 2.30 p.m.	Redio undeides in Urelogy	Dr. M.S.K./Shik are.
26-10-89	Menthly Bus meeting. J. J. Hospital	Dr. S.B.P./MSK/PFS
31-10-89 2.30 p.m.	Normal mech, of continence in females stress urinary incontinence. Bapat.	Dr. Palkar/

NOVEMBER : 1989

2-11-89 3.00 p.m.	Testicular tumours-Part I.	Dr. Seenawalla
2-11-89 2.00 p.m.	Quiz-testiculer tumours.	Dr. S.V.S./SBP/SVP
3-11-89 12.30 p.m.	Ure-radilogy meeting	
10-11-8 12.30 p.m.	Ure-redlology meeting	
11 & 12-11-89	Attended International Conference In Nephro- Urology - Bangalore- Particlpated paper on 'A new Parcutancous Technique for course of SUI.'	Dr. D. S. P.
16-11-89	Talk on Testicular tumours Part-II.	Dr. P. Soonawalla.
24-11-89	Ure-radilogy meeting	
26-11-89	Attended BUS meeting - Nair Hospital	Dr. S. V. S./SBP MSK/P. Soonawalla.

DECEMBER - 1989.

1-12-89 12.30 p.m.	Ure-radiology meeting	
1st, 2nd 3rd, 4th Dec. 89.	-Int. Conference on SUI Innsburck. -Visited Univ. Hospital of Hiedelberg. Dr. D.S.P. -Visited sterz Tulthighon -Mannhein with Drs. Alken Hasswalter. -Saw Sterz lighotriptor.	
8-12-89 12.30 p.m.	Ure-redilogy meeting.	
16th - 18th Dec. 89. 4.00 p.m.	Workshop & Seminor on Exstrophy of the Bladder and Assec. Anonalies conducted by Parel Sx Dept. with Dr. Rebert Jeffs-Baltimere.	Dr. S.V.P. SVS/MSK/PFS/ ASB.
26/29-12/89	Annual ASI Conference - Varanasi.	Dr. D.S.P.

Conferences / Workshops attended :

1) Annual Conference of MASICON at Dhule-Feb. 89.

2) Seminar on Pecdistric and Reconstructive Urology at Jaipur Feb. 89.

3) 5th National Congrees of Sexology - April - 89.

4) USI Annual Confernece at Ahmedabad - Sept. 89.

5) Workshop/Seminor on PCNL and Endourolgy Sept. 89.

6) International Conference in Nephro Urology at Banglore-Nov. 89.

7) International Conference on SUI at Innsbruck, Austria - Dec. 89.

8) Workshop and Seminar on Entrophy of the Bladder and Assclaced Anamolies at Bombay - December - 1989.

9) Annual ASI Confernce at Varanashi - December - 89.

16) Dr. D. S. Pardanani.
'Identification of organic Causes & Critical Analysis of Newer Investigatory Methods' Symposium of Organic couses of Male sexual Dysfunctions, 23rd Annual Conference of U.S.I. Ahondabad. 21-25 Sept. 89.

17) Dr. M. S. Kirloskar, Dr. A. V. Culanikar, Dr. R. S. Shah, Dr. S. V. Sabnis, Dr. P. F. Soonawalla, Dr. D. S. Pardanani.
- Role of Surgery in subclinical varicocele. 23rd Annual Conferece of U.S.I. Ahemdabad. 21-25 Sept. 89.

18) Dr. D. S. Pardanani
- 'Nutritional Aspectsof Urelithiasis' International Symposium in clinical Nutrition. G. S. M. College & E.M. Hospital, Bombay. 30 Sept. - 20 Oct. 89.

19) Prof. D. S. Pardanani, International Workshop on Operative Treatment of Urinary Incontinence.
- University Clinic of Urology, Innsbruck Austria. Dec. 1-2, 89.

20) Therapentic Consideration of Chylurla : Conservative Medical Mnagement.
- XLIX th Annual Conference of A.S.I. at Varanasi. 27-30 Dec. 89.

21) Dr. D. S. Pardanani. Guest Lecture - Impetence : Investigative Appreach and Management'.
- XLIX th Annual Confernce of A. S. I. at Varanasi. 27-30 Dec. 89.

22) Concentrations of seminol Zn. Mg. & Inhibin in relation to semen quality.
- All India Symposium on reproductive biology & general Endocrinology.

DEPARTMENT OF CARDIOLOGY - UNIT - II.

Scientific papers presented published :

Following papers were presented at Joint Annual Confernce of CSI & ATCVSI, hold in December 1989 at Madras.

1) Correction of clinical and Haemodynamic data in 32 cases primary Pulmonary Hypertension.
- Dr. H. Kulkarni, A. Srinivas, S. Sathe, V. Kaneria, U. Kahnolkar Dr. P. A. Kale.

2) Oral Biltiaxen for primary pumlonary hypertenstion : Haemodynamic study of 16 patients.
- Dr. H. Kulkarni, Kaneria, V. Kaneria, A. Srinivas, U. Khanilkar B. Dalvi, Dr. P. A. Kale.

3) Determinser in hospital mcrtality in patients of acute Myecardial infaction - study of 85 patients using multivariate analysis.
- Dr. Dalvi, B.V., Gupta K. G., Lekhandwala Y. Y., Rajani R. M., Bisne V. Kulkarni H. L., Dr. P. A. Kale.

4) Deterrminante and natural history of left ventricular thrombi in patients with Acute Mycerdial Infaction prespective serial evaluation by two dimensional echocardiography.
- Dr. B. V. Dalvi, K. G. Gupta, Y. Y. Lokhandwala, R. M. Rahani, V. Bisne, H. L. Kulkarni, P. A. Kale.

5) SACT-SNRT comparisen of different methods.
- Dr. Y. Y. Lokhandwala, S. N. Khanbedkane, S. Mani, S B. V. Dalvi, Dr. P. A. Kale.

Important achievemnts of the staff and department during the year, Visit of staff members to attend sclentific papers confernces, m minars, training etc.

1) Dr. P. A. Kale, Hon. Prof. of Cardiology, attended 4th Asian Pacific Synposium on Cardiac Pacing and Electrephysiology in Singapore. 20th to 23rd Aug. 89 as official delegate.

2) Dr. P. A. Kale, Dr. H. Kulkarni, Dr. B. V. Dalvi attended Joint Annual Confernce of CSI & ATCVSI held at Madras in Dec. 89.

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5) SACT-SNRT comparisen of different methods.
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2) Dr. P. A. Kale, Dr. H. Kulkarni, Dr. B. V. Dalvi attended Joint Annual Confernce of CSI & ATCVSI held at Madras in Dec. 89.

3) Dr. P. A. Kale, was mederator for Lunch & Luncheon Session on 'Strees test & Holter' at Joint Annual Confernce of CSI held at Madras In Dec. 89.

4) Dr. H. Kulkarni chaired session on Primary Pumlonary Hypertension at CSI Confernce at Madras.

5) Dr. B. V. Dalvi chaired sessions on :
1. CAD- Anglography.
2. Immunology In RHD.

He was also panelist for session on 'Aertearteritis' at Joint Annual Confernce of CSI & ATCVSI held at Madras.

PLASTIC SURGERY DEPARTMENT :

1) Dr. K. S. Goleria :- Hon. Prof. and Head of the Department (Retired on 30-9-89.)

I) Participated in the deliberation of the 2nd International Congress of Cranio Maxille-Facial Surgery at Florence and presented a paper on 'Defermities of the Atalanto-Occipital regien In Plagic-cephaly' based on original observations.

Ii) At the Annual Conference of the Association of Surgeons of India held at Varanasi was invited to participate in Two Symposia
a) In the Symposium on 'Wound Clesure', Dr. Goleria read a paper on 'Anatomical Repair'. This was in particular reference to the facial injuries and covered both the seft and the hard tissues of the face.
b) In the Symposium on 'Burns contracture', Dr. Goleria read a paper on 'Burns Scars' therir potential and problems.

Iii) Read a paper on 'Redes in Polysutural Synestesis' at the Annual Conference of the Association of Plastic Surgeons of India at Baroda.

Iv) Recently Dr. Goleria has been appointed as a Special Executive Magistrate by the Govt. of Maharashtra.

2) Dr. S. R. Tambwekar, Hon. Assec. Prof. and Hon. Assoc. Plastic Surgeon :

XI - Annual Confernce of Maharashtra Chapter of A.S.I. Presented a paper on :- a) Use of Latissimus Derai flap for Electric Buras of left are with merve paralysis.
b) New Bour formation under flap without bone graft.

Ii) Attended Confernce of the Association of Plastic Surgeons of India at Baroda and was member of the Executive Committee of A.P.S.I.

Iii) Attended the conferecne of the Asseciation of Plastic Surgeons of India at Baroda and was member of the Executive Committee of A.P.S.I.

Iii) Attended the Confernce of Asseciation of Surgeons of India at varanssi and was a member of the Executive Committee of the A.P.S.I.

Iv) Was member of the Faculty at the Workshop on 'Myocutancous flaps - cadaveric dissection and climical application - organised under the Joint suspices of the Research Society of the Grant Medical College and the Medical Research Centre of the Bombay Hospital - from 16-21st December 1989 at the Department of Anatomy of the Grant Medical College.

3) Dr. R. B. Rane, Reader In Plastic Surgery and Ag. Head of the Department from 1-10-89 to 31-12-89.

I) Attended a Workshop on 'Maxillefacial Surgery' at J. J. Group of Hospitals and Nair Dental

College, Bombay from 20-2-89 to 25- 2-89.
ii) Attended 2nd Workshop on 'Septerhinoplasty' at G. T. Hospital from 7-3-89 to 9-3-89.
iii) Attended Confernce of the Association of Plastic Surgeens of India and a Workshop on 'Suction Assisted Lypolysis' hold at Basroda in September 1989.

4) Dr. S. J. Joshi, Lecturer in Plastic Surgery :

i) Attended a Workshop on 'Maxillefacial Surgery' at J. J. Group of Hospitals and Nair Dental College, Bombay from 20-2-89 to 25- 2-39.
ii) Attended a Workshop on 'Myocutancous flaps-Cadaveric dissection and clinical application - organised under the joint auspices of the Research Soceity of the Grant Medical College and the Medical Research Centre of the Bombay Hospital - from 16-21st December 1989, at the Department of Anatemy of the Grant Medical College.

DEPARTMENT OF CHEST MEDICINE :

Scientific papers presented at National & International conferences by staff members of dept.

Sr. No.	Name of the Teacher	Date & Place	Name of Organiser.	Title of the paper
1)	Dr. S. R. Kamat	6-8th Jan. 89.	Indian Chest Seciety.	'Controlled comparison of perlozacin, cipreflozacin Goa. & cipreflexacin & cetrimoxazole in treatment of acute respiratory infections. 8th NCRD.
2)	Dr. Ravi Rupwate	6-8th Jan. 89 Goa.	Indian Chest Society.	'Clinical, physielogic and Haemo-dysiologic studies on the offect of 3 weeks low does exyen therapy in Chronic rospiratery failure with COPD
3)	Dr. S. R. Kamat.	1-4-89	'Dept. of Pharmacalogy K. E. M. Hosp.	'Recent Advances in bronchial asthma Symposium.
4)	Dr. S. R. Kamat	12-15 th April-89.	National Centre for Tech. Dev.	1) The role of autemobile Folution in causing health effects in ambient air of Bombay. 2) Effect of silica dust on residents and workers in Bombay.
5)	Dr. S. R. Kamat	10-8-89	Indian Soceity of Anaeshtetists	"Recont trends in management of bronchial asthma. Symposium -on Brenchial Asthma.
6)	Dr. S. R. Kamat	18-20 th Dec. 89. Hyderabed	Indisn Chest Society - 9th NCRD.	'Cerrelation of CT Scan & lung function findings in pulmonary asbestosis- case certrolled study.
7)	Dr. Varsha Taskar	"	"	'A scomparison of eipreflexacin & perlexacin with contrainxasale.
8)	Dr. Ptatina Hardikar	"	"	'Results of WHO/Govt. of India study-Relationship of of pollution in central Bombay & eastern suburbs with health Merbidity and lung function.

DEPATMENT OF NEPHLOLOGY :

I) The following papers were presented by the staff members during the Year :
1) Technicium Sulphur Colloid Renal Scans in the prediction of long term renal function.
2) Renal abnornalities in Acute Methanol Intexication.
3) Clinics pathelogical and serological observations in Lupus Nephritis.

II) In the Western Zone Chapter meeting of the Indian Soceity of Nephrology hold at Bombay.
1) Haemorrheology in diabetics with Renal invelvement.
2) Acute renal failure in moonatal Intensive care unit - 2 years experience.
3) Study of serum levels of some trace metals in ohronic renal fallure before and after renal transplantstion.
4) Comparative evaluation of 99 Technitium Methyl Diphosphomate (MD), Bone Scintigraphy and Osteeradiology in Chronic renal failure - A preliminary study.

III) In the Indian Society of Clinical Pharmacology and **Tharapeutics, Jan. 89 :**
1) Peflexacin - a flourequinolone, evaluation for multiple drug resistant (MDR) urinary tract infection (UTI) in serious ill patients.

IV) At the 3rd Annual meeting of the Indian Society of Organ Transplantation (ISOT) :
1) Alterations in Thyroid hermone levels before and after renal transplantation.
2) Value of Fine Needle Aspiration Cytology (FNAC) in the diagnosis and prognosis of renal allograft rejection.

V) At the International Conference on Nephre-Urology held in Nov. 1989.
1) Pregancy and Lupus Nephritis.
2) Treatment of Acute Vascular allograft rejection with plasmapheresis in live related donor transplant recepients.

Important achievements of the Staff and the Department during the year, Visit of Staff members to attend scientific conferences, courses, seminors, training etc.

1) Dr. Alan F. Almeida has successfully completed his one year followship in Nephrology and returned from Columbia, Missourie in July 1989.

2) Dr. Kamlsh Parikh recived the firse prize for his paper extitled 'Haemorrheology in Diabetics with renal involvement at the 2nd Annual meeting of West Zone Chapter of Indian Society of Nephrology.

3) Dr. Nitin Chaphekar got the 2nd prize for his paper entitled 'Nonvinvasive assessment of left ventricular function before andd after live related renal transplantation-Prelimimary obsevations.

DEPARTMENT OF NEUROLOGY :

A) 1. XIVth World Congress of Neurology.
Is CT aided diagnesis of Intra-cranial tuberculemas justified?
S. K. Bhabha.

2) Somatesenscry evoked potential in cases of Cervica spondylesis after median and posterior tibial nerve stimulation.
S. Jain and P. U. Shah :

3) How common is tropical spastic paraplegia in Western Indian? 5 years experience of the neurological unit in an urban Genral Hospital.
S. P. Hardikar, N. E. Bharucha.

H. M. Sant & P. U. Shah.

4) Spondylotic Myelepathy :
A clinical profile and radiologic correlation.

H. M. Sant, N. E. Bharucha, S. P. Hardikar & P. U. Shah.

B) 18th International Epilepsy Congress.
1. Risk Factors asscoiated with relapse of Epilepsy.

H. M. Sant, P. U. shah, S. K. Bhabha, N. E. Bharucha.

2) Progastic Factors in Gercralised Sclzures on monotherapy with Diphenylhydantion (DPH)
K. J. Harjai, K. V. Joshi, N. A. Kshirsagar, P. U. Shah.

3) "Treatment" status of epilepsy in Bombay-survey study.

P. U. Shah, S. Krishnaswami, A. B. Vaidys.

4) Comparison of threo methods - HPLC, ENIT RIA for estimation of plasma phonytoin levels.

M. V. Joshi, P. V. Sangram. S. S. Dalvi, NA. Kshirsagar, & P. U. Shah.

5) Phenytoin dose adjustrents in Indian Population.
M. V. Joshi, S. M. Pohujan, S. K. Jain, S. S. Dalvi, N. A. Kshirsagar,

P. U. Shah and V. N. N. Acharya

6) Left tempral poremcephaly associated with Epilepsy and Bipolar dlserder responsive to Carbamazepine.
A case report.

S. R. Pathar, R. M. Parikh, P. U. Shah & D. R. Doongaji.

7) The efficacy of Mrl V/S CT in partial scizerus.
Dr. V. C. Shah, S. V. Shah, P. U. Shah and O. J. Javri.

Important achievements of the staff and Dept. during the year.

The important and prestigicus event of the year has been the 16th World Congress of Neurologya in 18th International Epilopsy Congress held in Delhi in October, 1989.

Following members participated during various lectures and symposia during the year.

Visiters : Dr. Marsden
Dr. Brmard D'suza.

Dr. S. K. Bhabah :

Chapter in infection of nervous system - Neurology in Clinical practive.
Bradley, Da rott, Fenichca & Marsden.

Lectures :

1. Neurologic Manifestations of HIV infection - BMC.
2. Atypical Manifestations and treatment in Wilsons disease.
3. Neuretoxims - Pathomechanisms.

Dr. P. U. Shah

1) Treatment of Epilopay. General lecture on Epilopay in three Schools.

Following two projects are sompleted under the auspices of the Research Socelty of the Seth G. S. Medical College and K.E.M. Hospital.

1. Flunarizine for magraine - Dr. Hemant Sant, R. S.Jain & Dr. P. U. Shah.

2. Lateral Cutaneeus nerve of thigh Peripheral and Central nerve conduction study in normals and cases of Meralgia Paresthetice by Dr. Khushnuma Mansukhani & Dr. Hemant Sent & Dr. P. U. Shah.

DEPARTMENT OF PAEDIATRIC :

Dr. N. B. Kumta.
Honour Received :

Invited by Bangalore University to deliver the Bangalore Pediatric Society Endownent lecture at Banglore - 10th June.
Topic : Clinical Appreach to thediagnosis of Neurodegenorative disorder with special reference to Indian experience.

Participation in Mass Communication Media :

- Took part in a discussion in English on childhood asthma recorded for Door Darshan on 27th Sept. 89.

- Acted as guide and advisor for the producation of a video casette called 'PANI BINA SAB SOONA' on home based oral regydration therapy for W.H.O. and Kasturba Infectious Diseases Hospital, Bombay.

- Forth coming Commitments of Dec. 89.
National seminor on Integration of deaf Children in India on 16-17-18th at Max Mucller Bhavan Bhavan Bombay conducting a Course on Genetic Casuses of deafness and Management (Organised by the soceity for integration of Hearing Impaired.)

Scientific papers presented at National & International confernces :

1) January - 1989.	- Invited to talk on 'Care of IUGR at N.H.O. Workshop on perinatal care at Calcutta.
2) February - 89.	- Invited for Pernatal/NNF Conference at Poona, for panel discussion on Neenatal Infection.
3) August - 1989.	- West Zone Perinatology, invited to talk on Hemolytic Disease of Newborn at Bombay.
4) September 1989.	- Invited to talk on 'Indigenously prepared equipment required for 'Intemsive Care of Neenates' by N.N.F. and Electronic Industries at Delhi A.I.I.M.S.
5) October 1989.	- Invited to Ahmedabad to talk on 'Nursing Manpower needs in Neonatal Care organised by N.N.F.
6) November - 1989.	- Conducted for UNICEP A Workshop on child Growth and Development, Bombay.
7) December - 1989	- Invited by Govt. of Maharashtra and UNIFEP for a workshop on MCH at Poona, to talk on 'Neonatal Hortality'.

Dr. B. A. Bharucha, Reader :
Courses attended :

14 the National Teachers Training Course In Medical Education Technology, March 1-10, 1989 at PCI, Chandigarh. One of the youngest participart in the course.

Lectures :
Invited speaker :

i) 'Berly Diagnesis of Cerebral Palsy' Feb. 1989, under auspices of Centre of Renearch in Mental Retardation (CREMERE).

ii) 'Genctic Counselling' - Aril 1989, under suspices of Genral Practitleners Association of India.

Appointments :

i) Contined appointment as Co-cenvemer of Genetics Chapter of Indian Academy of Pediatrics.

ii) Appointed Returing Officer for IAP elections 1989.

Dr. M. D. Shah (Hon: Prof. of Paediatrics)
Academic Achievement :

a) Chairman of Respiratoy Chapter of Indian Academy of Pediatrics 1989.

b) Chairman 'etnics committee' of Indian Acadamy of Pediatrics, 1989.

c) Dr. M. D. Shah, Dr. Keya Lahari & Dr. Uday Nadkarni organised a National Seminor and workshop on Airway Diserders and Pulmonary Tunerculosis in Childres, at K.E.M. Hospital, Bombay 12 & 13th Novermber - 1989.

d) Participated in the 'Care curriculum workshop' on ARI organised jointly by Indian Academy of Paediatrics, Govt. of India WHO at Agra in October, 1989.

e) Facilities for spirtry and Allorgen Testing in children in podiatric Chest Clinic at K.E.M. Hospital.

f) Invited at Cutstation Export for ARI workshop of IAP, GOI & WHO at Ahmedabed on 31st Dec. 1989.

DEPARTMENT OF SKIN, V. D. & LEPROSY.

Sceintific papers presented at National & International Confernce by the staff members of the Depatment.
:

1) Dr. R. J. Fernandez, Hon. Prof. :

1) Scientific chairman.
XVII the National Confernce of IADVL, BOMBAY, Jan. 1989.
2) Convenor for Dermate - Surgery Workshop, Jan. 1989.
3) Chairman Steroids in Dormatotherpay by Dr. Jagasethy. Sponsared by Glaxe.
4) I. M. A. Lecture. - Cutaneous Allergies.
5) I. M. A. Lectur. - Dermatophyteses.
6) S. T. D. - Refresher course for G. P. in Wadia Gynace Hospital.
7) I. M. A. Lecture. - Steroids in Dernatology.

2) Dr. (Mrs.) P. D. Gupte, Asstt. Hon. Prof.

Co-chair person for one scientific sesnion of XVII the National Conference of IADVL, Bombay, January, 1989.

Lecture on 'Pruritus in Systemic disease' at the occastion of LTMC Silver Jubilee Function.

3) Dr. D. A. Patikh :

LTMC Silver Jubille in Genetic Market ob Skin Disease.
XVII the National Confernece of IADVL Jan, 1989, Bombay.

4) **Dr. (Miss) S. R. Vagaskar.**

1) Vitilige in Thyrsld diserdeus 8 Diabetes Mellibus.

5) **Dr. P. S. Shroff, Dr. (Mrs) P. C. Shah.**

Clinical, Mycological & Immunological, Study of Candidiasis.

6) **Dr. S. V. Nayak.**

Ansscular Necresis of Femur in Peaphiguz patients.

7) Climical meeting in Sept. 1988 in K. E. M.

1) Dr. R. B. Jadhav
Lympanglosarcoma.

2) Dr. V. S. Patange
Bulloys SLE.

3) Dr. S. Waghulade.
Progressive systemic sclerosis in Male.

4) Dr. S. V. Nayak
Netherton's Synderme.

DEPARTMENT OF NEUROSURGERY :

Scientific workshop organised by the department :

Dr. S. K. Pandya :

a) Inaugural meeting of the Eurpa India Foundation. Tubingen, West Germany, 5-6 June, 1989.

b) 48th Annual Meeting of the Japan Neurological Society, Merieka, Japan. 25-30 Sept. 1989.

Dr. N. D. Wagpal :

9th International Congress of Neurological Surgeens, New Delhi, 8-13 October, 1989.

Dr. A. P. Karapurkar :

a) 9th International Congress of Neurological Surgeons, New Delhi - 8-13 Oct. 1989.

b) 17th Annual Meeting of the International Soceity for Pediatric Neuresurgery, Bombay, 15-18 Octorber, 1989.

Dr. Atul Goel :

a) 9th International Congress of Neurelogical Surgeons, New Delhi, 8-13 Oct. 1989.

b) Internationl Workshop on Laser Neurosurgery, G. B. Pant Hospital, New Delhi, 1989.

Visit for Speical Training.

Dr. S. K. Pandya visited the depatment of Neurosurgery Nagoya University School of Medicine, Nagoya, Japan to learn from Professor Kenichire Sugita and his tean their techniques of microvascular surgery. 18-23 Septemebr 1989.

Scientific papers presented at national meetings.

a) Lecture or Serendipity in medical discovry at All India Part Trust Medical Officers' Annual Conference, Bombay, 28 January 1989.

b) Lectures on Surgical Management of Postmengitic complications and Etiology and management of brain absces at Symposium on infections of the central nervous systam at Central India Institute of Medical Sciences, Nagpur, 26th February 1989.

c) Lecture on Responsibilities of authors, ownership of intellectural property at Symposium on

medical publication at Sanjay Gandhi Postgraduate Institute of Medical Education and Research, Lucknow, 10,11 March 1989.

d) Lecture on Interventional neuroradiology at King George and medicine, Lucknow. 7 April 1989.

e) Lecture on Literature and medicine at Seminal on humanity and medicine, National Institute of Mental Health and Neuroscienoes, Banglore, 27-29 July 1989.

f) Lectures on Timing of surgery for aneurysm and Non-operative therapy for arteriovenous malfermations at Seminor on awareness and management of subarachmeld hemorrhage, National Institure of Mental Health and Neuroseiences, Banglore. 4-5 August 1989.

g) Lecture on Medical education in Bombay at Symposium on education in Bombay, Heras Institute and Bombay Local History Society, Bombay. 20 August 1989.

h) Lecture on Nouresurgical aspects of opthalmic disorders of endocrine origin, Bombay Opthalmoligists Association. Jaslok Hospital Bombay. 27th August, 1989.

I) Lectrue on Effective scientific presentation and publication at Seminar on Clinical Research Methology organised by the Maharashtra chapter of the Indian Federation of Obstetricians and Gynaecologists. Bombay - 14 Octorber, 1989.

J) Lectures on Authors, responsibilities ta Seminor on effective medical communication, Jaslok Hospital, Bombay. 5 Nov., 1989.

k) Lecture on The place of ayurveda in the comparative histery of medicine at Jaslok Hospital, Bombay. 25th Nov., 1989.

DR. R. D. Nagpal.

Lecture on Pituitary tumons at National symposium and workshop on pediatric endocrinology, Bai Jerbai Wadia Hospital, Bombay. 19-22 Feb., 1989.

DR. A. P. Karapurkar :

a) Lecture on Injuries of the cramiecervical juction at the Bombay Orthopaedic Soceity's Postgraduate Lecture Series, 12 September 1989.

b) Lecture on Surgical anatomy of the skull base at Workshop on applications of Micresurgical techniques, J. J. Hospital, Bombay. 18 Dec. 1989.

c) Lecture on Anatomy of Cranievortebral Junction at workshop on applications of Micresurgical techniques. J. J. Hospital, Bombay. 19 Dec. 1989.

Scientific papes presented at interenational meetings.
Dr. S. K. Pandya :

a) Cerebral vanous thrombesis. At the Department of Noresurgery, Ebernord Karls Universlty, Tubingen, West Germany, 29 May, 1989.

b) Tuberculosis of central nervous system. Inauguair meeting of the Europa India Feundation. Tubingen, West Germany. 5-6 June 1989.

c) The Hindu Phllosephi on pain. Inasuguralmeeting of the Eurepa India Foundation. Tubingen, West Germany. 5-6 June, 1989.

d) Prevalence of neurosurgically treatable diseases in India. 48th Annual Meeting of the Japan Neurosurgical Soceity, Moricka, Japan, 25-30 September.

DR. R. D. Nagpal :

Radiation therapy for oraniopharyngionas. At 9th International Congress of Neurological Surgeons, New Delshi 8-13 Oct. 89.

Dr. A. P. Kalapurkar :

a) Cerebral and ventricular defernity In cerenal plagiccephaly. At 9th Internationl Congress of Neurological Surgeons. New Delhi 8- 13 Oct. 89.

b) Craniosynestesis and altanteaxial dislocation. At 9th International Cogress of Nourelogical Surg New Delhi. 8-13.

Other Meetings Attended :

S. K. Pandya :

a) Meetings at Lipesome Research Centre, University of Delhi. Dr. B. K. Bacchawat Department of Biotechnology (Dr. P. K. Ghosh) & Medical Advisory Committee at the Neural Transplantation Project All India Institute of Medical Sciences, New Delhi. 1 March - 89.

b) Meeting of the Speciality Board for Nauresurgery, National Board of Examinations at the Christian Medical College and Hospital, Vellore. 24 April - 1989.

c) Expert group monitering workshop on DST funded projects in neurobiology, Central durg Research Institute, Lucknow, 12-13 August 1989.

d) Selection committee meeting Dr. P. N. Berry Scholarships. New Delhi. 9-10 Dec. 89.

DEPATMENT OF PSYCHIATRY.

Presentation and Publication.

1) A study of Esychosecial factors contributing in female patients with self poisening. Presented by Dr. Shubhangi Parkar in 5th Annual Confernce IASP at Delhi in Feb. 89.

2) Changing leadership role in group therapy. Dr. S. Thatte, Psychologist in Natinal Seminar on Human resources, development held at University of Bombay.

3) Pschotherapy for Children' presented by Dr. S. Thatte (Psychologist) at Workshop on Child Guidance Clinic hold at SNDT College April - 89.

4) Perspective of a therapist in a group therapy with bocial cogmitive apprach - by Dr. Shubhangi Parkar in west Zone conference held at Junagarh in Sept. 1989.

5) Circadian rhythm system in Mental Illness - Presented by Dr. Shubhangi Parkar in West Zone Confernce, Jumagarh in Sept. 89.

6) Clinical Evaluation of Abase potantial of psychotropic drugs. Dr. P. V. Pradhan at National Workshop on Rational use of Psychotropic Durgs in Medical Prastics as AIIMS in Jan. 89. New Delhi.

7) Dr. P. V. Pradhan conducted a Workshop on 'Behavior Tharapy of Neureses. 29 th July. Ahmedabad on Invitation by Gujrat Psyiatric Soceity.

8) Psychiatric Evaluation and thrapy on Vertige - A paper presented at VIIIth Neurological Workshop in Oct. 89. Organised by ENT Dept. K.E.M. Hospital.

9) Benzediazepines and counselling in minor psycheneuretic disrders - contributed by Dr. P. V. Pradhan. A multicentric International study WHO Publication, Geneva, Switzerland.

10) Miss J. Gopalani, Psychiatric Secial Worker (L. P. Shah's Unit)

11) Miss Mala Rao attended 1) Indo-UK training workshop in K.E.M. Hospital 2) Workshop on Crisis Intervention at TISS 3) Seminor on Mental Retardation at school, Sewri.

12) Dr. Rajesh Parish presented paper in IPS conference at Cuttack 1) Comparison of ICD-9 & DSM III systems of classification for the diagnosis of anxiety disorders. 2) for the diagnosis of depressive disorders.

13) Dr. L. P. Shah spoke in symposium in IPS annual conference at Cuttack on contribution of 'Indian sychiatry in International Psychistry?

14) Dr. L. P. Shah has presented paper on Management of Depression with onphasis on Newer antidep drug - Annual Conference of Indian Pharmaceutical Soceity of Maharashtra State Dr. L. P. Shah.

15) Dr. L. P. Shah presented paper on Drug dependence and its management - Annual confernce ISA, Kamatak State Branch.

16) Dr. L. P. Shah presented paper at the workshop on law psychiatry and society at Hlaipur - Organised by I.P.S.

17) Dr. L. P. Shah - Safety & efficacy of Aminiptine in depression presented at annual conference of Indian association of Industrial Psychiatry at Calcutta.

18) Dr. D. R. Doongaji - Presented paper on Double Blined clinical study of lefepramine Vs Anitrypitiline in depressed patients. at the VIII World Psychiatry confernece in Greece, Dec. 1989 & chaired a session at the same conference.

DEPARTMENT OF PATHOLOGY :

Scientific symposium, Workshop, confernces organized by the Department.

Department of Pathology in collaboration with the departments of Pathology and Microbiology of other Medical Institutions was involved in organization of the 38th Annual Confernce of Indian Association of Pathologists & Microbiologists (IAPM) in Bombay, December, 1989. Staff members of the Department were actively involved and were members of the various subcommittees. Dr. I. M. Vora was the Chairperson of the Finance Committee.

Participation in International Scientific Meetings, Visits Abroad :

Dr. (Mrs) Jaya Deshpande visited college of Phycians and Surgeons of Columbia University, New York and received specialised training in cardiac pathology. She was involved with the work on cardiac transplantation, Immunohistechemistry, electronmicroscopy of cardiac pathology. She also attended a course in congenital heart disease in Bosten & visited Armed Borces Institute of Pathology, Washington.

The following papers were presented (Oral & Posters) at the **38th Annual Confernece of I.A.P.M. at Bombay.**

1) Large optic nerve gliomas. A study of 10 cases.
Dr. A. P. Desai, Prerna Badhe.

2) Ectopic pituitary adenona - case report.
Dr. A. P. Desai, and S. S. Gharpure.

3) Mycotic aneurysa of fungal origin - A report of 2 cases.
A. P. Desai and Varsha Bhoota.

4) Adaptative changes (colonization) in terminal ileum following total colectomy, mucesal proctectomy and straight ileo awal anastomosis (TC + MP + IAA) in chronic ulcerative colitis (U.C.)
IM Vora, RD Bapat, DN Pipelia, ST Plumber, SR Naik and Amita Joshi.

5) Prevalence of hepatitis B surface antigen (HB SAG) in chrenic liver diseases - presented in poster section
IM Vora an Amita Joshi.

6) Stricturous lesions of small and large intestines.
A critical morphological study. IM Vora and Sanjay Pal.

7) Analysis of small intestinal lesiers. A review of surgical specimens. - IM Vora and Vinod Agarwal.

8) Detection of compyelobactor like organisms in the gastric biopsied by Gimenez technique. A pilot study presented in poster session. - IM Vora and A. R. Satoskar.

9) Technique to differentiate follicular adenoma and carcinoma of thyroid. AA Pandit, P. Valdeshwar, A. Prayag.

10) Nooplastic and cervical intraopitholial neeplastic lesions of cervix detected by cytology.
AA. Pandit, M. Parihar, Prayag A., A. Prayag.

11) Inflamsatory lesions of cervix.
AA Pandit, S. sachdev, P. P. Khilnani, A. Prayag.

12) Cytological study of breast lesions and their histological correlation. A. A. Pandit, DP Prabhat.

13) Cytology of conjuctival imprint smear.
A. Prayag, AA Pandit, NJ Mehta

14) Common atriovontricular canal.
A sivaraman, J. Deshpade, S. G. Kinare.

15) Value of fine meedle aspiration cytology in the diagnosis of acture renal allograft rejection.
BV Mittal, JD Desai, VN Acharya, CV Mediwale.

16) False parasites in tissue sections
SY Sane.

17) Zoonetic helminthus - Human infection.
SY Sane and Milind Volankar.

18) An autopsy study of truncus arteriosus.
Meena Desai, J. Deshpande, SG Kinare.

19) Setting up of plasma fractionation centre.
V Ray.

20) Prognostic indicators in pathology of retinoblastoun.
CR Arora, S. Y. Sane.

21) An analysis of the brenchealoolar lavage cytology and asbester body cunts in asbestes factory workers.
Bijur SJ, L. Prabhakaran, SG Kinare, P. Nair and SR Kamat.

22) Extranodall filariasis.
BS Kohli and SY Sane.

Awards, Recognition by the staff from International and National socities or Universities and Social Organization.

A. Dr. A. P. Desai.

a) was appointed as a convener, organised and conducted histopathological slide seminare at

the Regional Chapter Confernece of IAPM at Nagpur, Aug. 1989. Will continue for next two years.

b) Was invited to deliver a guest lecture on demyelinating disease at the Regional Chapter Confernce of IAPM at Nagpur.

c) Functioned as a member of the Scientific Advisery Committee of Institute of Pathology (ICMR), New Delhi.

d) Elected to the Board of Studies, University of Bombay.

B. Dr. I. M. Vora :

a) Invited as a Faculty member at National C.M.E. Programme at Nizan Institute of Medical Science, Hyderabed, March. 1989.

b) Delivered guest lecture non-cirrhotic portal fibresis.

c) Faculty member of C.M.E. Programme at J. N. Medical College, Belgarn.

C. Dr. B. V. Mittal :

a) Faculty member in a workshop of Renal Pathology update at L.T.M.M.M. Bombay, Aug. 1989

D. Dr. A. Sivanan and Dr. Jaya Deshpande :

a) Faculty member at the 1st National Workshop on Autopsy Pathology at J. J. Hospital, Bombay, Dec. 89.

DEPARTMENT OF PHARMACOLOGY.

DR. (MRS.) K. C. GUPTA :

1) **Academic Activities :**
i) Vice - President :
Indian Society for Clinical Pharamacology & Therapeutics.

2) **Papers Published :**
Tonsil levels of trimethoprim and sulphadizine after admistration of cetrimazine.

S. S. Ghosh, A. D. Bhatt, J. Shoode, S. J. Shah, R. Bakshi, S. C. Bhatia, V. Kirtane, K. C. Gupta, A. B. Vaidya.
Therapcutics and Drgus, Jan. - June, 1989.

Papers presented - January 1989 at the Annual Conference of Association of Physicians of India (Indian Soceity of Climical Pharmacology & Therapcutics.)

1) Oxpremolol (Trasicor) induced changes in bicycle ergometry.
S. S. Dalvi, A. D. Bhatt, K. C. Gupta, A. B. Vaidya & R. S. Sateskar.

2) Bioavailability of a controlled release theophuline tablet.
R. C. Gupta, V. V. Boghe, A. V. Sharma, S. Chaudhary.

3) Effect of Asparagus raccmosus (Shatavari) on gastric emptying.
S. S. Dalvi, P. N. Nadharal, K. C. Gupta.

Paper presented at the Annual Conference of Indian Society of **Pharmacologists - December 27-30, 1989 at Calcutta.**

4) Interaction of gugulipid and prepramolol in veluctcers.

Papers presented at Indian Pharmaccutical Congress Association Bombay, December - 16-18, 1989.

i) Interaction of gugulipid and diltazon in volunteers.

ii) Bieavailability of controlled release thcophylline tablets in normal volunteers.

5) Invited speaker - Geriatric Soceity of India (Western Zone) meeting held on 27-12-89.

Topic : 'Pharmacokinetics in the elderly - implications in preseription practices'.

DR. D. A. JOSEPH :

1) Indo-French pharmaceutical Synposium in February 1989. Participated in the panel discussion on Newer Antibioties.

2) Invited to deliver a lecture at National Academy of Medical Science at Calcutta in January 1989 on Monitoring of Antiepileptic therapy'.

3) Scientific Advisor to the Western Regional Meeting of Pharmacologist at Ahmedabad in January 1989. Gave a talk on Evaluation of Antipyretic activity.

4) Faculty member of the National Workshop on Climical Pharmacology hold at PGI Chandigarh in March 1989 for the second year in sucession. Delivered a lecture on Adverse Drug Reaction Monitering.

5) Delivered a lecture on Newer antisepties in the CME programme of National Acadomy of Medical Sciences conducted at K.E.M. Hospital on Surgical Nursing in April 1989.

6) Gave a lecture on 'Drug Management in Ward' Interpersonal Relationship' Patients Information Needs under Civic Training Institute to the Senior Nursing Staff of Bandra Bhabha Hospital, Rajawadi Hospital and Kasturba Hospital.

Dr. A. B. Varde :

1) Attended and participated in the XV Annual Conference of Pharmacolegists of Maharashtra at Miraj, August - 1989.

2) He visited the different pharmaceutical firms along with other staff members during January to June 1989. These visits were useful in emsuring the quality of drugs supplied.

Dr. (Mrs) N. A. Kshirssgar :
I - Conference attended :

1. Indian Society for Climical Pharmacology & Therapeutics January 20-22, 1989, Calcutta.
   Therapeutic Drug Menitering of Antiopileptic drugs.
   N. A. Kshiraagar, M. V. Joshi, P. U. Shah, S. S. Dalvi, S. M. Pohujani, S. K. Jain.

2. 1st Joint Convention NNP-ISOPARB National Perinatology Conference, February 23-25, 1989, B. J. Medical College, Pune.

   1. Phagecytic and bactericidal capacity of polymorphonuclear leukecytes in neenates.

   2. In vitre effect of intravenous immunoglobulin on phagecytesis and opsemic activity in meenates.
      S. S Kandar, V. Sakharani, S. F. Irani, N. A. Kshirsagar.

   3. A clinical and pharmacological study of phenobarbital and diphenylhydantin in neenatla convulsion.
      K. N. Shah, Y. M. Jawadekar, N. A. Kshirsagar, M. V. Joshi, S. M. Pohujani.

3. XV Annual Conference of Pharmacologists of Maharashtra, August 25-26, 1989, Government Medical College, Miraj.

a) Plasma concentration and effect of conventional and slew release ketoprofen.
P. G. Gokhale, M. V. Joshi, S. Pohujani, S. S. Dalvi, S. M. Karandikar, N. A. Kshirsagar.

b) Opsenophagecytic activity in Trachestomised patients.
R. S. Chandra, U. P. Dandekar, D. Karnad, G. H. Tilve, N. A. Kshirsagar.

c) Variation in diltiaxen bicavailability and responses.
P. C. Godbole, M. V. Joshi, S. Pohujane, P. D. Karsad, S. S. Dalvi, S. M. Karandikar, N. A. Kshirsagar.

d) Micromethod for PMN function.
J. R. Samtani, S. Wagle, R. Chandra, S. F. Irani, N. A. Kshirsagar.

e) In vitre effect of intravenous immunoglobulin on serun spsonic activity kin neeates.
S. S. Kamdar, G. Ganapathy, S. U. Wagle, S. F. Irani, N. A. Kshirsagar.

f) Bensathine penicillin levels in rheumatic fever.
K. M. Pandit, N. A. Manjrekar, P. W. Kandoth, M. Joshi, N. A. Kshirsagar.

g) Unility of therapeutic drug monitering for managment of epilepsy non-responders.
S. S. Dalvi, M. V. Joshi, S. Pohujani, N. A. Kshirsagar, H. M. Sant, K. J. Harjal, P. U. Shah.

4. XVI Annual Conference of Indian Immunology Society, October 14,1989, Mahatma Gandhi Institute of Medical Sicences,
Wevagram, Wardha.

a. Micromethod for chemetaxis assay of PMN.
J. R. Samtani, S. Wagle, R. S. Chandra, S. F. Irani, N. A. Kshirsagar.

b. In vitre effect of intravenous immunoglobulin on opsonic activity in neenates.
S. S. Kamdar, S. Ganapathy, S. U. Wagle, S. F. Irani, N. A. Kshirsagar.

5. 18th International Epilopsy Congress, October 17-22, 1989, New Delhi.

a. Pregnestic factors in gemeralised on montherapy with disphenylhydantoin.
K. J. Harjai, M. V. Joshi, N. A. Kshirsagar, P. U. Shah.

b. Comparison of three methods - HPLC, EMIT & RAI for estimation of plasma phemytoin levels.
M. V. Joshi, P. V. Sangoram, S. S. Dalvi, N. A. Kshirsagar.

c. Phenytoin dose adjunstments in Indian Population.
M. V. Joshi, P. V. Sangoran, S. K. Jain, S. S. Dalvi, N. A. Kshirsagar, P. U. Shah, V. N. A. charya.

6. 41st Indian Pharmaceutical Congress Association, December 16-18 1989, IIT, Bombay.

a. Variation in diltiasen bicavailability and response.
P. G. Godbole, M. V. Joshi, S. M. Pohujani, P. D. Karsad,
S. S. Dalvi, S. M. Karandikar, N. A. Kshirsagar.

b. Interaction of phemytoin and an Ayurvedic preparation.
U. P. Dandekar, R. S Chandra, S. S. Dalvi, A. V. Sharma, M. V. Joshi, P. U. Shah, N. A. Kshirsagar.

c. Potential for use of intravenous immunoglobulin in injections.
S. Kamdar, U. Dandekar, R. Chandra, G. Shridhar, S. Wagle, D. Karmad, G. H. Tilve, S. F. Irani, N. A. Kshirsagar.

d. Need for 25mg tablets of phemytion.
N. A. Kshirsagar, M. V. Joshi, P. U. Shah, S. S. Dalvi.

e. Absence of Dedematous reaction to Dextran in Liposenal form.
P. C. Gokhale, P. D. Karmad, K. C. Gupta, N. A. Kshirsagar.

f. Comparison of Penicillin levels from 2 different brande of benzathine penicillin in rhcumatic patients.
K. M. Pandit, N. A Manjrekar, P. W. Kandoth, M. Joshi, N. A. Kshirsagar.

g. Plasma and tissue levels of trimethoprin (TMP) and Sulphamidmidine (SD).
S. U. Vora, P. C. Gokhale, M. V. Joshi, S. Pohujani, N. A. Kshirsagar, M. V. Kirtane, U. K. Vora, U. K. Sharma.

7. XXII Annual Confernece of Indian Bharrecological Soceity. December 29-31, 1989 Calcutta University, Culcutta.
Investigation of a novel climically important interatction between phenytoin and an ayurvedic preparation.
R. S. Chandra, U. P. Dandekar, S. S. Dalvi, A. V. Sharma, M. V. Joshi P. C. Godbole, N. A. Kshirsagar, P. U. Shah.

8. **Paper Presentations.**

1. Chairperson sypesium on "Advances in disgnosis and treatment of infectious diseases" at Indian Soceity for Climical Pharmacology & Therepeutics. January 20-22, 1989, Calucatta.

2. Chairperson for session "Antiepileptic drug therapy" at 18th International Epilopsy Congress October 17-22, 1989, New Delhi- 11.

3. Co-Chairperson Scientific paper session XV Annual Conference of Pharmacologist of Maharashtra, August 25.26, 1989. Miraj.

4. Chairperson - "Nutrition Drug Interaction" Guest Lecture, National Symposium on Nutrition, Bombay, 1989.

Academic Honours :

Best paper award at the XV Annual Conference of Pharmacoligist of Maharashtra, August 26 - 26, 1989.
Government Medical College, Miraj awarded to Dr. Richa S. Chandra.

Paper entitiled "Opsonophagecytic activity in Trachestemised patients."
R. S. chandra, U. P. Dandekar, D. Karnad, G. H. Tilve, N. A. Kshirsagar.
Vanita Samaj Gaurav Puraskar for reasearch on contribtion in medical science 1989-90.

Editor/Member of editerial board of journals.:

1. Managing Editor : Journal of Post-graduate Medicine

2. Member of Editorial Boards :
Indian Journal of Pharmacolgy
Journal of General Medicine
Drug and Therapeutics.

Dr. S. S. Ainapure :

1. Attended an participated at the Maharashtra State Pharmacologist Confernce at Miraj.

2. Organised the Dr. A. S. Paranjpe Memorial Day Programme in March on Respiratory Diserders. This has been an important CME programme for the post graduste students of our Institition.

Conference attended :

1. XV Annual conference of pharmacologists of Maharashtra at Miraj August 1989.

2. Workshop on Male and Female infertility at Hotel Golden place, Thane, 11th June 1989.

3. I.M.A. focus on depression at Abhiruchi Thane 25th June 1989.

DEPARTMENT OF PHARMACOLOGY :

Awards Received :

a. Best Paper Award at the XV Annual Confernce of Pharmacologists of Maharashtra August 25-26, 1989. Government Medical College Miraj, Awarded to Dr. Richa S Chandra.
Paper entitled "Opsomophagoytic activity in trancheestemised patients."
R. S. Chandra, U. P. Dandokar, D. Karnad, G. H. Tilve. N. A. Kshirsagar.

b. Dr. (Mrs.) N. A. Kshirsagar - Vinita Samaj Gaurav Puraskar. for Research Centribution in Medical Science 1989-90.

c. Dr. (Mrs.) M. V. Joshi - awarded Ph. D. applied biology, Bombay University.

Papers presented in Conference :

1. Indian Soceity for clinical pharmacology and therapeutics, January 20-22, 1989, Calcutta.
Therapcutic Drug Monitering of Antieploptic durgs.
N. A. Kshirsagar, M. V. Joshi, P. U. Shah, S. S. Dalvi, S. M. Pojujani, S. K. Jain.

2. 1st Joint Covention NNF - ISOPARB National Perinatology Conference, February 23-25, 1989, B. J. Medical Collge, Pune.

   a) A clinical and pharmacological study of phenobarbital and diphonylhydantion in neonatal convulsions.
   K. N. Shah, Y. M. Jawadekar, N. A. Kshirsagar, M. V. Joshi, S. M. Pohujani.

3. XV Annual Conference of Pharmacologists of Maharashtra.
Aug. 25- 26, 1989, Government Medical College, Miraj.

   a) Variation in diltiazen bioavailability and response.
   P. C. Gokhale, M. V. Joshi, S. Pohujani, P. D. Karnad, S. S. Dalvi, S. M. Karandikar, N. A. Kshirsagar.

   b) In vitro effect of intravenous immunoglobulin on serum epsenic activity in neenates.
   S. S. Kandar, G. Ganapathy, S. U. Wagle, S. F. Irani, N. A. Kshirsagar.

   c) Hensathine panicillin levels in rhouatic fever.
   K. M. Pandit. N. A. Kshirsagar, N. A Manjrekar, P. W. Kandoth, M. Joshi.

   d) Utility of therapeutie drug memitering for mangement of cpilopsy non-responders.
   S. S. Dalvi, M. V. Joshi, S. Pohujani, N. A. Kshirsagar, H. M. Sant, K. J. Harjai, P. U. Shah.
   XVI Annual Conference of Indian Immunology Soceity, October 12-14 1989, Mahatama gandhi Institute of Medical Science, Sevaram, Wardha.

   e) In vitre effect of intravenous immunoglobulin on opsenic activity in meenates.
   S. S. Kamdar, S. Ganapathy, S. U. Wagle, S. F. Irani, N. A. Kshirsagar.

   18th International Epilepsy Congress, October, 17-22, 1989, New Delhi, India.

   a) Pregnestic facters in generalized seizures on monotherapy with diphemylhydantoin.
   K.J. Harjai, M. V. Joshi, N. A. Kshirsagar, P. U. Shah.

   b) Comparison of three methos - HPLC, EMIT & RIA, for estimation of plasma phonytoin levels.
   M. V. Joshi P. V. Sangoram, S. S. Dalvi, N. A. Kshirsagar, P. U. Shah.

   c) Phonytoin does adjustments in Indian population.

M. V. Joshi, S. M. Pohujani, S. K. Jain, S. S. Dalvi, N. A. Kshirsagar, P. U. Shah, V. A. Acharya.

41st Indian Pharmaceutical Congress Assqciation, December 16-18, 1989, IIT, BOMBAY-.

a) Variation in diltiazen bieavailability and response.
P. C. Gokhale, M. V. Joshi, S. M. Pohujani, P. D. Karaad,
S. S. Dalvi, S. M. Karandikar, N. A. Kshirsagar.

b) Interaction of phonytoin and an Ayurvedic preparation.
U. P. Dandokar, R. S. Chandra, S. S. Dalvi, A. V. Sharma, M. V. Joshi, P. U. Shah, N. A. Kxhirasagar.

c) Fatential for use of intravenous immunoglobulin in infections. S. Kandar, U. Dendekar, R. Chandra, G. Shrishar, S. Wagle, D. Karnad, G. H. Tilve, S. F. Irani, N. A. Kshirsagar.

d) Need for 25 mg. tablets of phemytein.
N. A. Kshirsagar, M. V. Joshi, P. U. Shah, S. S. Dalvi.

e) Comparisen of penicillin levels for 2 different brands of benzathine penicillin in rhcumatic patients.
X. M. Pandit, N. A. Manjrekar, P. W. Kandoth, M. Joshi, N. A. Kshirsagar.
XXII Annual Confernece of Indian Pharmacological society, **December 29- 31; 1989 Calcuttal University, Calcutta.**

Investigation of a nevel clinically important interaction between phynytoin and an ayurvedic preparation.
R. S. Chandra, U. P. Dandekar, S. S. Dalvi, A. V. Sharma, M. V. Joshi, P. G. Gokhale, N. A. Kshirsagar, P. U. Shah.

Papers presented at KEM Hospital Staff Soceity :

1. Therapeutic durg monitering of antiepileptic drugs.

2. Rheumatic fever - A continuing Challenge.

Chairperson :

Chairperon for session 'Antisplileptis drug Therapy' at 18th International Epilopsy Congress October 17-22, 1989, New Delhi.

A P.P E N D I X : IX

DEPARTMENT OF OBSTETPICS & GYNAECOLOGY :
RESEARCH PROJECTS :

1) On use of Intravencus Norphine and local anaesthesia for Laparoscopy sterilisation.
2) Study of intraumbilical Pitocin and its comparision with saline and methergin.
3) In Vitre Fertilization and Embryo Transfer and Gameto intrafallopian tranfer.
4) Purification of EPF from Culture supernations from invitre fertilized Human Eggs.
5) Edpidemiology study of Ectopic pregnancy.
6) PGE 2 gel for cervical ripening.
7) Evaluation of PGAL for severe preeclampsia.
8) High Risk Pregnancy and maternal mortality collaborative study.
9) Methylene PGE2 gel for MR RU 486 for M. R.
10) Qualitative evaluation of 12 PHC in Maharashtra.
11) Intervention studies for improving MCH & EP services.

DEPARTMENT OF PATHOLOGY Biochemistry - Dr. S. P. Tarkar :
Research Projects sponsored by various funding agencies :

1) Bulchemical studies in malnutrition. Sponsored by CSIR. Name of the Fellow - Raina Mehra.
2) Effect of malnutrition on pancreas of children using Pancrestic stimulation test. Sponsored by ICMR Name of the Follow : Smita Keni.
3) Biochemical studies in Poly, orphonuclear leucocytes in patients suffering from Diabetes.
4) Studies of Lipoprotein metabolism in hyperlopidaemic conditions and athorosclerosis. Sponsered by CSIR : Vaijayanti Pradhan.
5) Studies on cholosterol syntieris in human leucocytes and its inhbiton by low density lipprotein. Sponsered by U G C : Neeta Shonvi.
6) Biochemical studies in polymorphonuclear leucecytes in patients from Diabetes and Rheumatic heart disease. Sponsered by ICMR.
7) Comparison of the effects of 6 weeks propranolol and Acebutolol therapy of plasma lipid profiles in patients with hypertension or IHD. Sponsored by May and Baker.
8) Cellular sterel efflux and influx in atherogenic hyperlipidaemia Sponsored by Bhabha Atomic Research Centre.

IMMUNOLOGY DEPARTMENT (DR. SMITAL BIJUR)
Research Projects :

1) In uters immunisation of fetus by immunosing mothere with tetanus toxoid. Project supported by grant from Hinduja Trust. Investigators : Dr. F. D. dastur, Dr. P. Shastry, Dr. S. F. Irani (Topic for Ph. D. Thesis : Mrs. E. R. Iyer.
2) Immunochemical characterisations of antiheart antibodies in Acute Rheumatic Fever,

Myocardial infarction, uncomplicated streptsceccal sore threat, and in post-operative cardiac cases Project supported by grant from Dept. of Sciences & Technology. Investigators : Dr/ P. shastry. Dr. S. G. Kinare.
Junior : Research Follow : Swati Jambotkar.

3) Effect of serum of T. B. patients on E-Rosettle formation. project supported by grant from Research Society, KEMH.
Investigarors : Dr. S. Bijur, Dr. P. Shastry.

4) A Study of bronchoalveolar, lawage asbestes - body counts and cytology in asbestes factory workers.
Project supported by Environmental Pollution, Research Cente, K.E.M. Hospital.
Investigators : Dr. S. R. Kamat, Dr. S. Bijur, L. Prabhakarna.

DEPARTMENT OF MEDICINE :
Projects under Dr. G. H. Tilve :

1) Study of mustard oil therapy in disease activity of Rheumatoid arthritis.
2) Oesephageal motility by radionucleide scanning in cases of connective tissue disorders.
3) Effects of NSAIDs on renal infunctions in elderly.

Projects under (Smt) K. P. Chawla :

1) Study of dietary evaluation of Geriatc patient attending Geriatic clinic.
2) Evaluation of Immunologic status in healthyh geriatic individuals.
3) Systelic Murmur on the best in Geriatrics - a clinical BCG and Eche. cardiographic study.
4) Stress test in Goriatric asymptomatic hypertensive patients with monmal ECG.
5) Fibrogen profile in hypertension with or without target organ in old men.
6) Serial study of Indoor Vs. Outdoor Geriatric patients in Medical unit.
A Clinic investigative profile.
7) Study of M. T. conversion in newly admitted student nurses attending nurses Health Check up ciinic.

Projects under Dr. (Smt) Y. V. Meisheri.

1) Rediolegical mimicks of Pulmonary Tuberculosis.
2) Role of Iron supplements in anaemic hypoxemic COPDs.
3) Sedal venous blood gas estimation ? A predictor of outcome in acutely ill patients.
4) Prevention of UTI in catheterized patients with Vizylac.

DEPARTMENT OF SURGERY :
Research Projects :
Dr. A. B. Samsi's Unit :

1) Efficacy of cholecystejejunostomy in GB disease.
2) Efficacy of vagotomy with Reux-en-Y gastrojejunostomy in duodnal ulcer disease.
3) Role of Inj. Largactal in Septicaemia.
4) Role of Neem in infected non healing wounds.
5) Role of formalin 25% in diabetic wounds.

Dr. R. D. Bapatis Unit :

1) Prespective study of Acute Pancreatitis regading
   A) Management }
   B) Seequelac } 104
2) Monatoring of Pscudocyst of pancreas to study incidence of resolution.
3) Prospective study of prognostic factors in obstructive jaundice.
4) Investigative aids in Gall Bladder surgery.
5) Prespective analysis of Thyroid Surgery (Present No. 256)
6) Haemerrheological study in diabetic vasclopathy.
7) Non specific small bewel disease - Climicl & Experimental study.
8) Immunomodulation with Tinospora Condifolia in surgical jaundice.
9) Long term functional and hitopath. changes following Ilec-Anal Anastomeses.
10) Ksharasutra - In management for fistula in anc. ICMR Project.

Dr. G. V. Patel's Unit :

1) Quazepam in situational insompia (double blind)

Dr. S. K. Mathur's Unit :

1) Long term offects of sclerotherapy with 3% phenel.
2) Intravenous aminoacid infusions - Effecton mitrogen belance.
3) Effect of botrapase on dog veins.
4) Effect of Botrapase in clinical trail.
5) Plasminogen actovator activity in patients and its effect on adhesion formation.
6) Prediction of abactobilia in patients with cholelithiasis.
7) Therapeutic endoscopy for extraction of CBD stanes.
8) Use of perioperative antibistics in routine and emergency gastrointestinal surgery.

Dr. J. V. Hardikar's Unit :

1) Efficacy of 'HERBINOL' in healing of wounds.
2) The study of tissue reaction to indigenosly prepared polyamide mesh.
3) Comparison of collsal iedine 'Guggul (and Corgentional anti- inflammatory agents to decrease posteperative edema in hydracelo patient.

Dr. S. G. Sheney's Unit:

1) Comparison of the analgesic effects of intravenous malbuphine and pontazocine in patients with post operative pain following abdemnal surgery.

DEPARTMENT OF UROLOGY :
Research Projects :

1) Study of results and complications in Percutancous Renal Surgery.
2) Pre and Postoperative Doppler Evaluation of Varicocele in cases of Male.
3) Diagnostic and Therapcutic Evaluation of and Study of complication following Intracavermegal Injection of in cases of Impotence.
4) Dorsal nerve conduction studies, Cortical and spinal evoked petemtials in the assessment of Erectile Impectence.

5) Dynamic Cagernosegraphy for evaluation of venous leak in cases of Imprtence.

6) Study of self dilatation Vs. Endoscopic Dilatation in treatment of Stricture urethra.

7) Analysis of Data of Core through urethrotemy in cases of stricture urethra.

8) Developpment and Evaluation of the techniques of cryopreservation of semon.

9) Endoscopic removal of uretoric stenes using loop catheters.

10) Diagnosia and management of Preapressin.

11) Role of Percutancous Nephrestemy in the management of patients with obstructive uropathy.

DEPATMENT OF CHEST MEDICINE & ERCP.

a) Study of pulmonary asbetes disease for detecting critrial for early diagnosis.

b) Quarry project in collaboration with British Council.

c) Study of workers in acid and fertilizer manufacturing industry.

DEPARTMENT OF NEPHROLOGY :

1) Study of Thyroid dysfunction in patients of Chronic renal failure before after dialysis and transplant.

2) Evaluation of Poflozacin in the management of multiple drug resistant urinary tract infection in immunocompromised subjects.

3) Study of some Trace metals in patient of Chronic Renal Failure before and after transplantation,

4) Comparative evaluation of 131 I-photon abserptiometry, 99m Tc MDP Bone Scintigraphy and radioimmuncassay of parathyroid hormone and calcitonin in the study of renal esteodystrophy.

5) Electrophysiological studies in Uraemia and effect of Renal Transplantation on the same.

6) Study of haemorrheology in Diabetic nephropathy.

7) Study of Left Ventricular function in patients of Chrenic renal failure before and after renal transplantation.

DEPARTMENT OF PSYCHIATRY :
Dr. L. P. Shah's Unit :

1) A double blind clinical trial of Geriferte in patients suffering from Anxiety and depression.

2) An Open clinical trail of Brain in patients suffering from 295

3) An open clinical trail of Brain in childheced behavioral diserder.

4) An open clinical trail of amineptine in patient suffering from Depression.

5) An open clinical trail of Nitroxozepine in olderly depressed patients.

6) A comparative trail of haloperiden decanoate and anatensol decanoate in schizophrenia.

7) An open clinical trail of carbamazepine in alcehol withdrawal state.

8) A clinical study of patients suffering from chronic mental patients - Investigaror Dr. Shubhangi Parkar, Project with Research Society, Seth G. S. Medical College & K.E.M. Hospital.

Research projects - Dr. S. S. Mahatme.

1) Cross cultural study of relationship between tropical disease and mental helath in collaberation with Harvard University, USA.

2) A double bline clinical study of Amitryptline Vs Lefepramine in depressed patients.

3) A double blind clinical study of Sulpiride Vs Haloperidol in Schizophrenic patients.

Department of Pathology :

1) Immunohistopathological study of neorotuberculosis - Dr. A. P. Desai.

2) Biochemical studies of opioid paptides and biogenic amines in epiate adicts. BARC Project.

3) Direct immunofluerescence studies on renal biopsied in cases of glomerulonephritis. Dr. B. V. Mittal incollaberation with Nephrology Deptt.

4) Direct Immunoflucrescence studies in vesicule bulbous lesions of the skin. Dr. B. V. Mittal in collaberation with Skin Dept.,

5) Fine needle aspiration cytology for diagnosis of acute system Dr. B. V. Mittal in collaboration with Nephrology Dept.

6) Detection of ceruloplasmin to differentiate follicular adenoma and carcinoma of thyroid by Immunoperoxidase staining. Dr. A. A. Pandit.

7) Immunofluorescent staining for Chlamydia trachematus in cervical cytology smears. Dr. A. A. Pandit.

8) Study of campulobacterium pylorides in gastric and intestinal biopsies. Dr. I. M. Vora, in collaboration with GI Unit.

9) Cytoprotection with 'Mucoprestol' in rhunatoid and esteearthritis patients under non-steroid anti-inflammatory drug treatment.
Dr. I. M. Vora, incollaboration with Dept. of medicine.

DEPARTMENT OF MICROBIOLOGY :

1) Laboratory diagnesis virus type 2 infections in sexually transmitted diseases.

2) The comparitive study of the efficacy of Measles vaccine in healthy & malnourished children upto 5 years of age.

DEPARTMENT OF PHARMACOLOGY :
Project under taken at T. N. Medical College :

1) Pharmacokinetics of Pancuromium and Vercuronium.

2) 'Ethacrydine lactate in diarrhoca' nearing completion at Kasturba Hospital.

Dr. (Mrs.) S. S. Nayampalli :
***1) Project under takes :**

i) Continuation of collaborative Project on 'C.S.F./Serum neurstransmitters in the differntial diagnosis of neurological disearses' with Aditya Paediatric Research Centre, Parel, Bombay.

ii) Proforma and Protocol for clinical evaluation of Ayurvedica proparations in mentally retarded children was carried out and applied for grants through CSIR.

iii) Continuing the work on anticonvulsant action of Piper nigrun-meuropathological studies.

iv) Learnt various computer languages like MS, DOS, WORD, H.P.G. & D. BASE.

2) Recognition :

Indo German Cultural Society conferred CERTIFICATE IN COMPUTER PROGRAMMING (CICP)

having been passes computer examination in FIRST CLASS in July 1989.

DR. (MRS.) Kshirsagar.
New Research projects undertaken :

1) Department of Biotechnology, Government of India Clinical Research in Liposomal Drug Delivery System. Amount Rs. 36.6 lakhs (Santioned) Co-Investigators : Dr. S. K. Pandya and Dr. K. C. Gupta.

2) Board of Research in Nuclear Sciences (BRNS), Government of India (Project completed in March 1989) - Iron deficiency amemia and aspirin pharmacokimetics - Rs. 3.51 lakhs.

3) Co-Investigator : BRNS (Government of India) Rs. 3 Lakhs Neonatal immunology. Principal Investigater : Dr. SF Irani.

4) Co-investigator : CDRI Clinical Pharmacology Unit. Principal Investigaror : Dr. K. C. Gupta.

5) Investigaror : Adverse drug reaction monitoring centre. Government of India. Co-Investigaror : Dr. K. C. Gupta.

NEW INVESTIGATIONS STARTED :

a) Laboratory for drug estimation - including therapeutio drug monitoring.

b) Therapeutic drug monitoring OPD.

c) Adverse drug reaction and drug information set up.

d) Biotechnology laboratory.

Dr. Sunil Chauthary :
Research Projects :
Current :

1) An open climical trial of high dose lithium in patients with acute anamia.

2) Effects of Amantadine on B. P. and blood sugar in anaeskhetizd degs.

Completed :

Pharmacokinetic prefile of oral theeephylline preparations.

Commenced :

Effects of Gorifarte on memory & cognitive function in elderly (Basal estimates already performed)

DR. V. V. Moghe :

Pharmacokinetic profile of oral theophylline preparations.

APPENDIX - X

Sr. No.	THEATRE	MAJOR	MINOR	TOTAL
1.	J.M.T.	1,392	1,269	2,661
2.	E.M.O.T.	1,226	3,141	4,367
3.	P.S.T.	911	1,430	2,341
4.	E.N.T.	1,555	1,194	2,749
5.	N.S.T.	738	179	917
6.	OPTHALMIC O.T.	2,445	1,161	3,606
7.	GYNAEC O.T.	1,342	190	1,532
8.	OBST. O.T.	2,442	1,472	3,914
9.	UROLOGY O. T.	1,021	2,502	3,523
10.	A.K.D. O.T.	3,430	924	4,354
11.	R.O.C.O.T.	683	355	1,038
12.	E.O.C.O.T.	1,482	4,511	5,993
13.	C.V.T.C.O.T.	1,363	155	1,518
14.	PAED. O.T.	1,735	3,258	4,993
15.	MINOR SURG.	39	13,088	13,127
	GRAND TOTAL	21,884	34,829	56,633

APPENDIX - XI

Sr. No.	Name of Activity	Unit Measurement Indoor	O.P.D.	Actual Patients. 1989-90	Budget Estimate 1990-91	Revised Budget Estimate 1990-91	Budget Estimate 1991-92
1	2	3	3-A	4	5	6	7
1.	Medical Dept.	41	136	55,878	58,000	58,000	59,000
2.	Surgical Dept.	31	80	34,973	35,000	35,000	37,500
3.	Obst. & Gynace	29	59	28,325	30,000	30,000	31,500
4.	Paed. Med. & Surgary	16	40	17,708	20,000	20,000	21,500
5.	Promature Baby Ward	1	-	341	600	600	600
6.	Radiology	-	1,066	3,16,540	3,14,000	3,14,000	3,31,000
7.	Path. & Bact.	-	3,471	10,30,903	9,98,000	9,98,000	11,00,000
8.	Casualty	-	220	80,384	86,000	86,000	86,000
9.	E. N. T.	8	62	21,226	24,500	24,500	24,500
10.	Orthopaedic	12	94	32,506	39,500	39,500	39,500
11.	Opthalmic	7	62	21,215	23,650	23,650	23,650
12.	Skin & Ven.	1	84	16,973	21,000	21,000	21,000
13.	Catelogy Cardiology	1	20	1,314	1,750	1,750	1,700
14.	Neurelogy	1	26	3,026	5,500	5,500	5,500
15.	Urology	3	38	2,775	4,800	4,800	4,800
16.	Blood Bank	-	78	23,676	23,500	23,500	25,250
17.	Speech Department.	Reflected in E.N.T. Departments.					
18.	Psychiatric	4	23	8,366	10,500	10,500	10,500
19.	Bio-Chemistry Dept.	-	1,421	4,22,124	4,90,000	4,90,000	4,90,000
20.	Pharmacy Dept.	-	883	2,62,187	3,92,000	3,92,000	3,92,000
21.	Dental Clinic	-	18	5,316	10,500	10,500	10,500
22.	Neure Surgery	2	10	3,585	4,150	4,150	4,400
23.	Plastic Surgery	2	19	1,709	1,900	1,900	2,000
24.	Therasic Surgery	4	17	4,773	6,450	6,450	6,450
25.	Cardiology	4	69	8,175	10,000	10,000	10,000
26.	Asthama	Reflected in Chest Departments.					
27.	Diabetic	Reflected in Endoor/emology.					
28.	Hesuatelogy	1	12	1,359	1,700	1,700	1,700
29.	Div. of End. & Metb. Diserder	1	37	3,810	6,500	6,500	6,500
30.	A.K.D.	1	17	1,326	1,725	1,725	1,725
31.	Dispensary	-	-	-	-	-	-
32.	Dispensary Clinic	-	36	1,763	2,100	2,100	2,100
33.	Chest Clinic	2	26	3,272	4,350	4,350	4,350
34.	Arthoritis Clinic	-	10	507	750	750	750
35.	Vascular Clinic	Reflected in Thoracic Surgery.					
36.	Iamusisation Center	-	18	2,595	3,800	3,800	3,800
37.	Observation of T.B. Cases	-	Reflected in Medicine Department.				
38.	Occupational Therapy	-	48	14,213	21,750	21,750	21,750
39.	Physic Therapy	-	66	19,687	21,750	21,750	25,500
40.	Sperte Clinic	-	9	436	750	750	750
41.	Drug Trial.	1	-	57	325	325	325
42.	Dog Bite	-	20	5,828	7,125	7,125	8,250
43.	Sexology	-	16	787	950	950	950
44.	Audiology Department.	-	Reflocted in E.N.T. Department.				

B. Y. L. NAIR CHARITABLE HOSPITAL AND TOPIWALA NATIONAL MEDICAL COLLEGE.

Administrative Staff :-

Dr. Pragna N. Pai, M. D., D. Ch., F. I. A. P., till 30.11.89

Dean-in-charge :

Dr. V. M. Divekar, M. D., D. A. from 1.12.89 to 31.3.90

Assistant Dean :

Dr. P. G. Hiranandani, M.B.B.S., M.R.S.M. (Eng.)
F.I.C.A. (U.S.A.)

Dr. Assistant Medical Officer :

Dr. N. Dixit, M. D., D. G. O.

HIGH LIGHT:

Hospitals:

1.	Total expenditure including liabilities	:	Rs.	53,10,757.41
2.	Donation received through P.P.F.	:	Rs.	41,35,531.52
3.	Amount collected from Boxes	:	Rs.	40,277.90

Indoor Patients:

Beds 872 In patients	:		689
Daily average number of In-patients	:		802.05
Highest number of admission on a single day	:		183
Highest number of Inpatients on a single day	:		994
Number of patients discharged during the year including 780 brought from the previous year	:		39223
Cured.	:		17532
Otherwise	:		19279
Average stay of patient	:		8.19
Average cost per in-patient	:	Rs.	241.19
Average cost per out-patient	:	Rs.	39.42

Deaths:

Within 24 hours of admission	:	575
After 24 hours but within 72 hours of admission	:	226
Exceeding 3 days		890
Total	:	1691

Operations:

Indoor patients	14863

Autopsies:

Post Mortem done	866

Deliveries:

1. Confinments		2861
2. Deliveries		2069
3. Maternal deaths		Nil
4. Medical termination of pregnancy		980
5. Sterilization (Female) :		523
6. Sterlization (Male):		10
7. Baby deaths -	full term :	25
	premature :	46
8. Baby still births -	Ful term	33
	Premature	32

Out Patient Department:

1. O.P.D. New attendance	1,75,098
2. O.P.D. Old Attendeance	7,46,680
3. Daily average O.P.D. New Attendance	581.72
4. Casuality attendance :	14865
5. Daily O.P.D. attendance (Old + New)	9,21,778
6. Highest No. of attendance on a single day :	3,667

Court Cases Attended By R.m.os.

1. Presidency Magistrate's Court	950
2. Session Court	232
3. Motor Accident Tribunal	112

Paying Bed Scheme:

The Paying Bed Scheme has started functioning from 18.7.1977 in the Side Section of Ward 17 for female patients and Ward 20 and 21 for male patients. 1151 patients had taken the advantage of the paying beds during the year 1990.

Intensive Paediatric Care Unit :

An Intensive Paediatric Care Unit sstarted functioning from 1.8.1977 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 resucitative equipment. A Registrar and a Staff Nurses are posted for round the clock duty. Mortality rate has been declining after the commissioning of this specialised units. During the year 1989, 307 children were admit

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 Resplrators, 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. 735 patients were treated in this section.

CHARGING OF FEES TO O.P.D. AND INDOOR PATIENTS AT THE MUNICIPAL HOSPITAL:

Corporation by their Resolution No.145 dated 28.6.88 have accorded sanction to revise the charges for case papers for Out door and Indoor patients at the Municipal Institution from 5.7.88:

The revised charges are as under:

O.P.D. case paper.	Rs. 5/- valued upto 15 days
Indoor Case paper	Rs. 10/- valued upto 6 days
	After 6 days patient have to pay Rs.5/- per day.

B.Y.L.NAIR CHARITABLE HOSPITAL AND TOPIWALA NATIONAL MEDICAL COLLEGE

In response to the call by the Father of the National in the 1921, 4 students, from the British Govt. run grant Medical college, quit from their college to start a new nationalistic institution and that was the brith of Topiwala National Medical College. At the beginging it was 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 Institution, 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 munificant donation from the Topiwala Desai family and the well known philianthropist Dr. Anandrao L. Nair and hence the name was given as Topiwala National Medical College and Bai Yamunabai L. Nair Charitable Hospital.

Today the twin institutions are one of the leading institution in the courntry. The hospital has 675 beds and on annual budget of over Rs. 8 crores. It admite 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 Clinics 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 amits 100 students every year and total underaduate students are 182. 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 an Audiology and Speech Therepy school which admits 10 students for the degree course of Audiology and Speech Therapy of Boombay 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 readi-sic redio-isctope 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 has been occupied. All Outpatient Departments, speciality and Super-speciality clinics and dispensary services has been shifted to this buildings. In due course Blood Bank, Pharmacy, Isotope Unit, Artificial Kidney Unit, Cardiac Catheterisation Laboratory, Intensive (Cardise 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 or want of required number of minimum beds.

1.	**Major Projects/scheme completed:**	**Year in which completed.**
i	Hyperbaric Oxygen Unit at Kasturba Hospital	1985

ii.	Shifted General Store/Medical Store A.A.A. (Nair)'s Office from Gr. Floor to 1st Floor (To avoid damage due to flood.)	..	1986
iii.	New O.P.D. Hospital Building commissioned partly	..	16 th Aug. 1987
iv.	Central Oxygen Suction installed	..	1988
v.	Construction of five special paying rooms in Hospital building.	..	1989
vi.	Renewation of Savoy Hotel Building converted in to quarters (13 rooms) for emergency staff.	..	1989
vii.	Repair of Twins hospital old building.	..	Under Repair will be completed in Aug. 90.
viii.	Construction of 100 beds ward for superspecialities on the 1st floor of Hospital building.	..	1990
ix.	Electronic Telephone Board	..	1990
2.	**Major Projects Initiated.**		**Year**
i.	Liquied Oxygen Unit.	..	1989
ii.	Well equipped Trauma Unit.	..	1989
iv.	Dr. A. V. Baliaga X-ray Therepy Unit for Concer Patients.	..	1989
v.	Replacement of C. T. Scan Head Unit by total body scan.	..	1989
vi.	Replacement of Cardiac Catheter Unit by Cardiac Cath, & Dopplar Unit.	..	1989
vii.	Ventilator care unit.	..	1989

viii. Development of Lal Chimney Comound comstruction of Quarters at Lal Chimney Compound for -

1. Nurses.
2. R. M. Os.
3. Paramedical Staff.
4. Teaching Staff.
5. Easential Category Staff.

3. Major Charges or Systems Introduced :
For The First Time In the Department :

i. Material managment druge are classified in the 3 groups.

1. Essential.
2. Desireble.
3. Uanecessary.

Group 3 medicines are omitted from the schedule.

ii. Unnecessary distary expenses are reduced by mintaining balance diet.

iii. Monthly expenditre monitoring committee IV meeting with all categories of Hospital Staff are conducted to apprise them of the policy, decisions, to streamline admnistrative procedures and to follow-up progress.

4. Method of Working :

For routine surgery patients investigated at O.P.D. level. Due to this stay of patients is reduced an expenses are cut down.

5. Training facilities :

Previously only medical staff were deputed to attend conference/training etc. Since the year 1986 onwards Nursing Staff, Paramedical Staff, Administrative Staff are also deputed for the training.

6. Decrease in expenditure :

1. Patinents are investigated at the O.P.D. level. Patients requiring surgery are admitted and operated immediately. Due to this stay of patients are reduced and expenses is also decreased.
2. Expenses on Taxi fares are cut down on issuing circulars.
3. Alternative tube lights removed in all the buildings. Instructions are given to the Staff members to switch off the light and fan whenever they leave the seat.
4. Regulating the working house of A. C. Unit.
5. B.E.S.T. Quarters vacated.

7. New Revenue Sources :

i. Charges for Intensive Care Unit have been started from 1.6.89.

ii. To regulate deligation of powers to A.M.Os./M.D./ regarding waiving of extended day charges of Indoor discharged patients. Due to this collection of extended stay of patients has been increased.

iii. C.T. Scan charges are revised from 23.10.89.

iv. Second shift of C. T. Scan Centre has been started from 1987.

v. **College Fees :**

The college fees which was not revised since 1947 has been revised from the year 1988 (Initiated by T.N.M.C.)

vi. Certificate charges of Medical Students are revised from 1988.

vii. Hostel charges are revised from 1988.

viii. Rent for Auditorium has been started from 1987.

ix. Rent for the Students' Hostel ground has been started from 1987.

DEPARTMENT OF MEDICINE:

The Department of Medicine has 6 medical units of which four are full time units and two are honorary (Part-time) units. All units participate in undergraduate and postgraduate teaching and training programme. In all there are 4 Professors, 4 Readers, and 12 lecturers in full time staff and 2 professors, 2 associate progressors and 1 assistant professor among the honorary staff. The medicine department staff looks after the several medical and speciality patients as well as patients admitted in medical acute care unit. The staff members also teach Dental, O.T.P.T., Nursing and Speech Therapy students of the Hospital.

Each unit is in charge of one O.P.D., one emergency admission day and in-patients. Rheumatology, Nephrology, Asthma and Obstructive Airway Disease Clinic and Hypertension Clinic are the speciality

clinics associated with the department of Medicine which have their inpatient services as well.

Dr. (Mrs.) K.D. Nishalani has taken charge of Department of Medicine from March, 1989 after the retirement of Dr. V.R. Joshi. Dr. (Mrs.)R.D. Siqueira has become in-charge of Rheumatology Clinic.

The Medical Acute Care Unit admits seriously ill patients and is managed by a professor, or a reader, a lecturer, two registrars and two house-officers. Every unit manages the M.A.C.U. on a monthly rotation basis and about 60 cases are admitted every month. Due to the constant medical attention, the patients have a better chance of recovery.

The Medicine Research Laboratory is managed by Dr. D.S. Salgaonkar, a recognised post-graduate teacher for Biochemistry at the University of Bombay. He carried out various investigations in Rheumatology, Nephrology, Immunology, Hypertension, Diabetes and Asthma.

The undergraduate teaching programme includes about 80 lectures and 70 tutorial topics every year, in addition to regular ward clinics and table work teaching. Regular ward assessments are carried out for medical and dental students to train them for the University examinations and better patient management.

A dietician and medical social worker also actively carry out their duties towards the patients referred by the various medical units.

The staff members are active participants of Association of physicians of India and other speciality associations like Diabetic Association, Ultrasound Association, Rheumatology Association, Hypertension Association and Asthma Foundation. They also participate in writing chapters in various textbooks and presenting papers in conferences and conducting symposia. They have also attended training programmes for teaching students.

DEPARTMENT OF SURGERY:

Department of Surgery consists of 3 full-time and 3 part-time units.

Other setivities :

1. Seth Salaskar cration award by I.M.A. awarded to Dr. M. V. Pal for the oration on 'Emergencies in Surgery'
2. Conducted shart courses on "Theatre Asepsis" for Nurses.
3. Arranged a course as "Demonstration on maintenanos of endoscope" with help of M/s. Clympus & Co.
4. Arranged a update on surgical gastroenterology sponsored by N.G.J.R.F.
5. Dr. A. K. Gvalani/Dr. D. R. Kamerkar & Dr. H. S. Mehta attended workshop on Hepatopancrato bioloary surgery at National Hinduja Hospital & J. J. Hospital.

DEPARTMENT OF GYNAEC. & 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.

Training courses conducted at Nair Hospital by Dr. Raval M.Y. :

1. On Ultrasonography along with Rediology Department.
2. Hysteroscopy
3. Laparoscopy.
4. Training in M.T.P. to the candidates coming from Government.

DEPARTMENT OF PAEDIATRICS:

The Department of Paediatric continued to work with one full time unit and parttime unit

I. **Indoor services:**

Ward	No. of patients	Deaths
Paediatric ..	1754	241
I.P.C.U. ..	274	115
Neonatal. ..	2936	161
Transferred Babies.	109	25

III. **O.P.D. Services :**

O.P.D.	No. of New pts.	No. of old pts.
Paediatric	14,083	15,000 (approx
Special Care	373	600 (approx
New born	818	–
School Clinic		
Secondary	193	940
Primary	2183	13451
Child Guidance Clinic	764	926

III. **Peripheral Hospital:**

Name	Clinic Attendance	Home Visite	Immunisation Dpt	BCG	Measles	Vit.A.
Victoria Ped. Centre.	835	259	1806	1552	10	1185

IV. **Teaching Activities :**

Undergraduate Students : 18 lectures per term and clinical posting in the ward.

Postgraduate teaching : Clinics, Weekly death conference monthly seminor, Intercollegiate meeting for M.D. (Paediatrics).

Nursing Students : Series of 30 lectures one a year. Clinical Posting.

B.S.C. (A.S.T.) : Series of 40 lectures per year.
In addition clinics & Lectures in Paediatrics.

Students Social Workers, M. A. Students (Applied Psychology) have attended training sexsions at Child Guidance Clinic.

V. **Other/Activities :**

1. Paediatrician visit to Community Health Centre per day (Shivaji Nagar & Chita amp).
2. Peadiatrician-visit to Peripheral Nateroity 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 No. 15 from 1.00 p. m. to 8 p. m.

DEPARTMENT OF ANAESTHESIOLOGY:

The department runs the Anaesthesia services at the following institution viz. B.Y.L.Nair Ch. Hospital, Bhajekar Hospital, Kasturba Hospital, Kamathipura Hospital, E.N.T. Hospital (Fort), Bhagwati Hospital, Malad Municipal Hospital, V. N. Desai Municipal Hospital, Santacruz, Nair Dental Hospital.

1. The No. of Anesthesia administered in the year 1989 at B.Y.L. Nair Ch. Hospital

Neurosurgery	353
General Surgery & Emergency	3082
E.N.T.	1211
Gynaec. (Kamathipura)	2112
Ortho (Kasturba)	1722
Ophthalmic (Thajekar).	82
Radiology	264
Cardiac Cath	740
E.C.T.	4683
Recovery	5174
Plastic Surgery	285
A.A.C.	714
Total	20674

2. Anaesthesia outpatient department (No. 35) for assessment of Patients preoperatively for surgery.

3. Pain clinic for chronic pain and an acupuncture clinic.

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 estimation.

Academic Activities:

1. Seminars every Monday from 3 to 4 p.m.
2. Case discussions every Thursday from 2.30 to 3.30 p.m.
3. Tuesday, Wednesday, Friday tutoriale & classes.

DEPARTMENT OF NEUROLOGY:

The O.P.D. functions twice a week on Tuesday and Thursday.

1.	Total Outdoor Patients:	Male	770
		Female	340
		Malechild	100
		Female Child	65
		Total	1275
2.	Total Indoor patients :	Male	174
		Female	191
		Male child	22
		Female Child	10
		Total	397
3.	Referred Cases		174
4.	Transfer cases		39
5.	Deaths		11
6.	Radiological investigations:		
	A. Angiography		46
	B. Myelography		14
7.	X-rays.		1130
8.	C. T. Soan : O.P.D.		145
	Indoor		102

9.	E. E. G.	632
10.	**Rlectrophyeiolegy :-**	
	a. Visual Evoked Potential (VEP)	106
	b. Semato-Seneory Evoked Potential (SEP)	94
	c. Electro-Myogram & Nerve conduction studies (EMG & N. C. Studies).	204
	d. Brain Stem Auditory Evoked Potential (BAEP)	10

Additional high resolution C.T. Scans, Magenetic Resonance [illegible] Angiography were carried out at Centres outside Nair Hospital where facilities were available on concessional rates.

DEPARTMENT OF NEUROSURGERY:

The O.P.D. functions twice a week Tuesday and Thursday,

1.	**O.P.D. attendance:**	
	New	730
	Old	3083
	Total	3813
2.	Indoor admissions	584
3.	Total operations performed during the year 1989	450
4.	E.E.G. tests	1363
5.	R.F. Thermocoagulations performed.	71

DEPARTMENT OF GASTROENTEROLOGY:

The O.P.D. functions twice a week on Wednesday and Saturday.

Total No. of patients.	1623
O.P.D.	994
Indoor patients	629
Endoscopies:	
Sigmoidoscopy	619
O.G.D.	1366
Peritoneoscopy	125
Colonoscopy	50
E.R.C.P.	125
Special Investigations:	
Australia Antigen	551
S. Protein Electrophoresis	179
D.xylose exeration	37
Schilling test	38
Fecal Fat.	27
Creatinine Clearance	16
Intragastric Titration	21
PH Studies.	25
Augmented Histamine test	79
Routine investigations:	
C.B.C.	618
E.S.R.	618

Urine	709
Stool	757
Biochemical investigations:	
Liver function test	576
Serum albumin	576
S.G.O.T/S.G.P.T	570
Serum protein	576
Serum electrolytes	450
Serum amylase + ascitic fluid amlase	200
Serum Uric Acid	50
Serum Cholesterol	126
Serum Acid Phomphatase	26
Serum Calcium/Phosperus	180
Serum Creatinine	460
P.T./P.I.	250
Blood Sugar	481
B.U.N.	370
Alkaline Phosphatase	570

DEPARTMENT OF CARDIOOGY:

Data on admission/O.P.D. Attendance:

	No. of cases
- Indoor Admission	719
- I.C.C.U. Admission	247*
New O.P.D. cases	1099**

* In addition 743 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 & its allied hospitals. The number also excludes follow up cases examined in the O.P.D.

Data on investigations/therapeutics procedures:

1. **Diagnostic cardiac cath. and angiography :**

   During this year, 1989, 743 patients (adults and paediatrics) underwent diagnostic cardiac catheterisation and angiography. The therapeutic balloon dilatation procedures were applied in 96 cases. The bolloon technique is fast amerging as an alternative to open heart surgery.

2. **The details of balloon procedures are as follows:**

P.T.C.A.	21
Balloon Pulmonary valvotomy	20
Balloon Mitral Valvotmy	17
Balloon Aortic Valvotomy	15
Renal Art stenosis angioplasty	6
Peripheral art. angioplasty	6
Coarct Angioplasty	4
Discrete subaortic septum	3
I.V.C. Block Dilatation	2
Atherestomy of peripheral vessel.	2
	96

3.	Permanent Pacemaker Implanation	8
4.	N. P. Studies	13
5.	Computerised stress test	472
6.	Total No. of E.C.Gs.	17216
7.	Temporary pacing in I.C.C.U.	60

Other acheivements/activities :-

Dr. Satyavan Sharma, Prof. & Head of Department, visited Cleveland Clinic, Cleveland U.S.A., as international scholar (May-June 1989) and during this period got advanced training in Coronary Angioplasty and Atherectomy techniques. He delivered letures on practice of Cardilogogy in India.

Dr. Satyavan Sharma appointed as Vice President, Indo-American update on Cardiology and advaneed Echocardiography, Bombay, India, December 1989.

Dr. Satyavan Sharma, Prof. & Head of Department delivered a guest lecture during the Annual Cardiological Society of India meeting in Madras, December 1989 in Peripheral and Coronary Atherectomy.

PLASTIC SURGERY:

Plastic Surgery O.P.D. was conducted every Wednesday and Friday and a total of 550 new cases were seen.

In addition, about 100 cases were seen every week for follow-up treatment. A total of 746 cases were admitted for surgery of which 380 cases were elective, and the rest were emergency cases mainly involving the hand and face. A large No. of emergency cases were also treated in casualty.

Clinical meetings of the Bombay Plastic Surgeons group were held under the suspicies 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 25th National Conference of Plastic Surgeons held at Pune in September, 1989. Dr. Narendra Pandya actively participated in Scientific deliberations as a chairperson and presented papers.

Dr. Narendra Pandya continues as Honorary Surgeon to the President of India. Dr. Narendra Pandya was elected as the Vice-president of India. Dr. Narendra Pandya took over as Hon. Professor and Head of Department of Plastic Surgery, from March 1989. He was also invited to conduct a workshop in Plastic Surgery in "Suction Assisted Lipectomy" held in September 1989 at India at the 24th National Conference of Plastic surgery. He was also invited to Guest Speaker at the World Conference of Inflanmation at Monte Carlo, France and also as a Visiting Professor to the University of Milon in March 1989.

Workshop on Cleft Lip and Palate and Craniofacial Anomalies conducted by visiting Plastic Surgeons from Italy -

Three Emenient Plastic Surgeons Prof. Luigi Donati, Prof. & Trabuchhi and Pfof. Rigoti visited India from 13th January 1989 to 26th January 1989 and conducted an operative workshop at Nair, C. T. and K.E.M. Hospitals. They operated upon several cases of cleftlip and palate and craniofacial anomalies. This workshop has benefited the department both scademically and clinically. Prof. Donati delivered a lecture titled "In Vitro Ripdermal tissue Culture - Its experimental and clinical applications" on 19th January 1989.

Dr. S. M. Mahaluxmivala retired from the post of Hon. Prof. and Head of the Department of Plastic Surgery on 28th February 1989 after rendering in-valuable services for a period of 30 years at the Institution. He has been appointed as Prof. meritus of Department of Plastic Surgery from May 1989 for a period of 3 years.

Several academic and taching programme are being conducted by the department.

HYPERTENSION CLINIC:

The Hypertension Clinic is conducted every Tuesday in R. No. 26 of New O.P.D. Block of B. Y. L. Nair Ch. Hospital from 11.00 a.m. to 12.30 p.m. New and follow-up cases are examined investigated in detail and treated with the latest medicines available only in the Clinic by way of domations.

Dr. S. L. Soneji, Dr. P. J. Mehta & Dr. (Mrs.) S. A. Kamath are on the editorial board of "The Journal of Hypertension - India."

The group has conducted following trials in 1989 :-

a. Enalapril in hypertension.

b. Presolar in hypertension.

c. A new trial is going to be started on "Comperison of Lisinopril and Captopril on hypertension."

DEPARTMENT OF NEPHROLOGY:

Nephrology department is a service department at this hospital under department of Medicine with all the service facilities for investigations, diagnosis and treatment.

It caters 600 new patients per year and follows up old patients who are registerd with clinic since 1963. About 60 to 70 renal biopsies and 150 peritoneal dialysic are done per year.

Shortly with requirements of beds fulfilled; we will be recognised superspeciality. We have intense rosidency programme in Nephrology.

ASTHMA & OBSTRUCTIVE AIRWAY DISEASE:

The Asthma & Obstructive Airway disease clinic was started in January 1976 and is conducted between 9.00 a.m. to 12.30 p.m. every Monday in R.No. 26 of the New O.P.D. Block of B.Y.L. Nair Ch. Hospital. Dr. (Mrs.) A.J.Paidhungat, Prof. & Head of Medicine and Dr. S.T. Nabar, Reader in Medicine, one Lecturer and one House-officer attend the clinic.

About 6-8 new cases and 60-70 follow-up cases are seen every week at the clinic. 3-4 cases are admitted in the medical ward for management of their acute asthmatic attacks. The patiente are called for various tests like allergy teste, pumonary function tests, exercine teste, biochemical investigations. Special studies on immunoglobuline and platelet activity are being carried out by the asthma techaician. The Clinic has also acquired a new pulmonery function testing equipment.

DIABETIC CLINIC:

The Diabetic Clinic runs O.P.Ds. for new patients on Mondays from 9.00 a.m. onwards. Patients are examined in detail. A complete dietory assessment is made and caloric adjustment is made according to the patients dietary habits. A full social work up is also carried out. patients spend about an hour 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 monthly and dosages of drugs are adjusted according to these reports in well compliant well adjusted patients. Less compliant or less adjusted patients are followed and evaluated at lesser intervals. Patients are also evaluated for 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-evaluattion. All the patients suffering from diabetes undergoing surgery are managed by the diabetes units. Special care 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 complications e.g. laser therapy for retinopathy and dialysis for nephropathy. Besides 3 monthly blood sugars, lipidogram, glycosylated haemoglobins,

renal & 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-follow-up
Diabetes	562	200/ week.
Diabetes T.B.	49	
Referred cases....	10 week.	

AUDIOLOGY AND SPEECH THERAPY SCHOOL:

Clinical : 4107 new patients were seen.

Academic :

Teaching : 10 Students were admitted in F.Y.B.Sc. (A.S.T.) for the academic year 1989-90.

Results of students of B.Sc. (A.S.T.) course who had appeared for various examination held by Bombay University in the 1st half of 1989 are as follows

Class	No. of students appeared for Exams.	No. of students passed
F.Y.B.Sc.	10	10
S.Y.B.Sc.	10	10
T.Y.B.Sc.	9	9

Audiolegy and Speech Therapy School of B.Y.L. Nair Ch. Hospital conducts classes for deaf children from nursery to 4th Standard at Nana Chowk, Matunga and Vile Parle (Municipal Schools). Some of the children are integrated in normal school. At present the school has 6 full time and 1 part time teachers. Following table gives the detail about children attending these classes.

Name of the school	Class	Medium	No. of children
Nana Chowk School	Nursery & K.G.	Hindi	12
Nana Chowk School	Nursery & K.G.	Marathi	10
Nana Chowk School	1st Std.	Hindi	5
		Marathi	6
Nana Chowk School	IIInd Std.	Hindi	4
		Marathi	4
Nana Chowk School	IVth Std.	Hindi	8
		Marathi	4
Vile Parle	Nursery	Hindi	3
	1st Std.	Hindi	3
		Marathi	3
	IInd Std.	Hindi	1
		Marathi	1
Matunga School	Nursery	Hindi	3
	1st Std.	Hindi	6
			73

In the month of January 1990, the Shcool held various competitions like drawing, general knowledge, handwriting sports and winners were given prizes. Some of the children participated in various competitions

like 'Camel painting contest' and a competition arranged by A.Y.I.N.I.H.N., Bandra in which 10 students were awardes prizes.

This year one of the students from our school Master Guru Tripathi passed S.S.C. examination sucessfully.

Following activities were organised by the School for additional language training throughexperience

1. Various excursion tours were organieed for these children.

Information of which is as follows -

Nursery :	Malbar Hill
1st Standard	Juhu Beach, Hare Krishna Mandir, Pawai Lake.
2nd to 4th Std.	Bhandardara, Nasik, Shirdi.

2. Celebration of the various festivals like Diwali, Id, Ganpati, Gokulastmi etc. Mrs. Kawle has taken initiative to celebrate 'International deaf day' every year with the cooperation of her collegues.

Following table gives information about teachers attending various seminors and workshops.

Name of the teacher	Name of the workshop/seminer	Arranged by
Smt. M. M. Kawle Smt. N. N. Dhiman Smt. N. U. Khatri	Paychology for educaters.	A.Y.J.N.I.H.N.
Smt. K. V. Thorat	Natyaprashikehan Refresher Course	Natyaprashikshan Sanstha.
Smt. M. M. Kawle	Refresher Course for teacher for deaf.	C.I.T.D.
Smt. M. M. Kawle Smt. N. U. Khetri Smt. S. T. Arora Smt. K. V. Thorat Smt. N. M. Dhiman	Deaf Integration programme.	Dr. Prem Victor

The school received educational sids from different services organisations and philontheraphist, viz.

Rorary Club of Bombay Uptown.	Matunga Class.	Cassette player, Speech trainer etc.
Lions club of Vile Parle.	Vile Parle Class	Speech trainer, acreen for overhoad projector.
Breach Candy Loins Club.	Nanachowk School.	Group hearing sid sets.
Smt. Khare	Nanachowk School.	Wallclock.

ENDOCRINOLOGY DEPARTMENT:

The department is responsible for patient care in the speciality of Enocrinology. This comprise of clinical evaluation of patients, specialised laboratory investigations, treatment modalities and long term follow up which is extremely essential in this branch.

O.P.D. days are follows:

O.P.D.	Day	Time
General Endocrine O.P.D.	Tuesday & Friday	10.00 a.m. onwards
Thyroid O.P.D.	Monday & Wednesday	9.30 a.m. onwards
A new follow-up O.P.D. been started on	Tuesday	2.00 p.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 an 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 routinly referred to psychiatry department and C.G.C. for I.Q. Testing.

In the Endocrine O.P.D. patients with hypothalamus pituary adrenal, genetic/chromosmal disorders, reproductive disorders, hirsutism and parathyroid disorders are evaluated.

The Annual O. P. D. attendance :

	New Cases	Old cases followed-up
Endocrine O.P.D. ..	743	45/O.P.D.
Growth Clinic ..	73	3-4/week.
Thyroid O.P.D. ..	743	45/O.P.D.

Total No. of laboratory tests done during the year:

Blood collections	1020	17-Ketogenic steroid	186
17 Ketostercids	166	Urine Pregnancy tests	9
Radic Immuno Assay -			
F.S.H.	740	L.H.	696
P.R.L.	330	T3	998
T4	858	T.S.H.	1046
Testosterone	484	G.H.	618
Cortioso	630	A.C.T.H.	48
C-Peptide	262	Microalbuminuria	160
Thyroid Ab	159	Sex Chromatin	90
Semen analysis	120	Karyotyping	54
SerunCreatinine	49	Urine Cratinine	175
Total protein : Serum	64	Urine	37
Blood sugar	258	Glyocaylated Himoglobin	127
S. Cholesterol	177		

Animal House:

Maintainance and Breeding of Rodent Colony.

Use of rats and mice for bioassay -			50
Animals supplied to other department :			55
Stock : Rat - F	89	M	43
Mice - F	29	M	17

U. G. & P. G. Teaching :-

The Professor and Head of Endocrinology takes lectures for undergraduate (M.B.B.S.) and Postgraduate (M.D.) students.

The lecturers are responsible for tutorial table work and lectures for undergraduate students.

Seminare, case discussions and journal review on Endocrinology and Diabites are conducted in the department on Friday at 2.30 p.m. onwards. The department participates in clinical meetings conducted by Medicine Department.

PREVENTIVE AND SOCIAL MEDICINE:

Services :-

At the community - Comprehensive Health Care Services are given through 2 Urban Health Centres.

Immunisations in O.P.D. at Nair Hospital :

	O*	X	II	III	ROOSTER
Triple ..	-	2274	1545	1190	642
Polio ..	1937	3027	1831	1401	926
D. T. ..	-	120	78	-	292
B.C.G. ..	4429				
Mesales ..	712				
T.A.B. ..	21				
Cholera ..	32		-		

O* is seso dose started from this year.

COMMUNITY SERVICES :

Comprehensive health Care to the communities :-

Comprehensive health care services were provided to two communities.

1. Shivajinagar Deonar)
) Through Urban Health Centre
2. Shahajinagar Cheeteh Camp)

Immunization Camp :

	I	II	III	X
Triple ..	987	490	233	544
Polic ..	1288	581	285	697
D. T. ..	224	109	-	330
B. C. G. ..	590	-	-	-
Mesale ..	401	-	-	-

Following is the report of activities carried out in the two communities for the year 1989 -

		Shivajinagar	Shahajinagar
1.	Total No. of patients treated.	46348	57093
2.	Total No. of children treated under give clinics.	2235	1038
3.	A. N. C.	399	70
4.	Dental check up	808	1412

		Shivajinagar	Shahajinagar
5.	Skin including leprosy	4089	1841
6.	Ophthalimic	1037	1203
7.	Blood for Nararia	3759	1721
		Positive 12	Positive 5

8. Immunisation :

- Polio ..		8974	3248
- Triple ..		8204	2929
- D. T. ..		234	492
- B.C.G. ..		2441	643
- Measles ..		785	366
- T. T. ..		1983	2713
- Vit. A. ..		410	1585
- Iron & Folic Acid.		255	750
- Family Planning	Oral pills	108	616
	I.U.C.D.	80	84
	Tube ligation	10	38

Under five clinics:

Community	Group	No. Under obaervation	Total No. of visits	Average visits infan to or child.
Cheetah Camp.	Infants.	490	1160	2.3
	Children	548	754	1.3
Shivajinagar	Infants.	809	2091	2.58
	Children	1426	1427	1

Social Welfare activities of Shivaji Nagar Urban Health Centre:

1.	Total No. of home Visit	..	658
2.	Total No. of Collateral Contact	..	89
3.	Case work.	..	52
4.	Total No. of naterial side given.	..	35
5.	Total No. of ref. to hospital.	..	95
6.	Nutritional sid.	..	12
7.	Health education sessions.	..	6
8.	Health education (presonal talk)	..	210
9.	Rehebilitation.	..	6
10.	Milk powder distribution	..	256
11.	Group work	..	9
12.	Film show	..	1
13.	Sewing class	..	2 batches (each bateh 25 students)
14.	Balwadi	..	2 batches (each bateh 25 students)
15.	Cooking demonstretion	..	2
16.	Total No. of students given food under school feeding programme	..	320605
17.	Cluster survery	..	Three days (March19)

18. Recreational activities — Picnic of sewing class (23.12.89)

19. W. R. O. day Programme — 1. Health exhibitition
2. Ideal family competition
3. Drama

20. Total No. of children treated under five clinic -

Group	No. under observation.	Total No. of visit	Average visists.
Infant ..	490	1160	2.3
Children ..	548	754	1.3

School Health check up at Cheetah Camp School 1989 :-

New School	Div. A	Div B	Div. C	Div. D
Hindi medium:				
1st Std. ..	48/57	51/73		
5th Std. ..	52/61	32/61		
7th Std. ..	33/42			
Urdu Medium:				
3rd Std ..	48/61	48/61	49/62	
5th Std. ..	35/45	42/50	56/60	
7th Std. ..	45/49	45/49		
Tamil Medium:				
1st Std. ..	29/47	37/43	53/85	53/85
3rd Std. ..	45/50	39/49	48/50	48/50
5th Std. ..	43/49	45/49	40/49	35/47
7th Std. ..	33/43	35/49	38/45	

Social Welfare activities of Shivaji Nagar Urban Health Centre :-

1.	Community visit (Home visit)	.. ..	1065
2.	Collateral contacts	.. ..	185
3.	Nutritional aid to children.	.. ..	34
	- Distribution of biscuits.	.. ..	2090
4.	Hcononic aid in term of cash, kind & Medicine.	.. ..	178
5.	Clothes and school uniform	.. ..	51
6.	Referal and follow up in hospital	.. ..	89
7.	Case work.	.. ..	269
8.	Group work activities mession for men/women health talk.	.. ..	17
9.	Balwadis are being run under our gaidance in the community	.. ..	2 (daily)
10.	Imployment and Rehobilitation	.. ..	9
11.	Sewing clase for adolescent girl.	.. ..	2 (daily)
12.	Balwadies are being run with the help to cinmmunity outreach programme.	.. ..	2
13.	Catholic relief service programme (CRS) beneficiaries.	.. ..	435

14.	Milk powder given to T.B. patients, pregnant (beneficiaries) ladies/children, etc.	530
15.	Youth group activities and session.	135
16.	Field Immunisation camp.	75
17.	Immunisation camp (Home visit)	475
18.	Home visit of ANC patient.	339
19.	Health Talk.	327
20.	Motivation for family planning.	108
21.	School feeding programme food given to children.	321337
22.	Picnic and educational tour Balwadi and sewing class.	Organised.
23.	Annual aports for community children, people and cultural programme and prize dictribution programme.	Organised.
24.	Haldi kuku kumku programme attended by (60) ladies.	Organised.
25.	School note books given.	53
26.	Admitted, children to a crphanage at Madanpura for free education.	3

THYROID CLINIC:

Thyroid clinic is conducted on Monday and follow-up on Wednesday. The attendance in Thyroid Clinic is as under;

New cases	..	743
Old cases	..	45/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 School					
Paediatrics	..	2377	14739	17116	-
Opththalmic	..	412	1365	1777	45
Aural.	..	338	1397	1731	94
Skin	..	144	303	447	1
Total	..	**3271**	**17804**	**21071**	**140**
Secondary School					
Services		**New**	**Old**	**Total**	**Refer**
Paediatrics	..	211	1070	1281	-
Ophthalmic	..	87	67	154	26
Aural.	..	48	50	98	26
Skin	..	8	7	15	1
Total	..	**354**	**1194**	**1548**	**53**

DEPARTMENT OF OPHTHALMOLOGY (EYE BANK):

1.	Outdoor patients	..	9944
2.	Indoor patients.	..	1169
3.	Laser Therapy.	...	111
4.	Squint Clinic.	..	68
5.	Cleucoma Clinic	..	181
6.	P. H. Cantres.	..	Above 4000

Achievements :-

1. Diagnostic Eye Camps condueted through Mobile Ophthalmic van services.
2. Eye donation camp conducted in collaboration with Blood Bank of B.Y.L. Nair Ch. Hospital.
3. Residents of Ophthalmology Department won prize in All Indian Inter University Bridge Competition at Hyderabad.

Developmental activity :-

Educative films on Eye care procured for educating the community and patients attending B. Y. L. Nair Ch. Hospital.

Dr. (Mrs.) G. C. Murthy, Prof. & Hea Department of Ophthalmology conducted Training course at National Association Blind Society, Bombay.

DEPARTMENT OF DERMATOLOGY & VENEREOLOGY

The department functions all the days except Sandays from 8 a.m. onwards.

		New	Old
1.	**Attendance at O.P.D.**		
	a. Skin infections	19,870	16,853
	b. V.D. Cases	16,652	14,764
	c. Total Infections	36,522	31,617
	d. Non-infections	13,908	12,763
	e. Ratio of infection/non-infection	2 : 1	
	f. Total attendance	50,530	44,380
2.	**Inpatients:**		
3.	**Investigations:**	**Normal**	**Abnormal**
	a. Biopsies	1,390	All
	b. V.D.R.L.	3,753	2,160
	c. Dark Ground Illumination	1,743	964
	d. Smear for Gonococci	2,070	4,753
	e. Smear for Donovanosis	640	210
	f. Smear for Chancroid	245	Nil
	g. Smear for Leprosy	653	387
	h. Scales for Fungus	4,873	3,043
	i. Urine	320	197
	j. Stool	187	70
	k. Blood Count	269	107
	l. E.S.R.	387	127
4.	**Photographs**	2,869	

5. **Therapy:**

a.	Superficial X -ray	Nil
b.	Electrodessication.	2,034
c.	Chemical Cautery	1,543
d.	Phodophylin	1,389
e.	Intralesional sterlod	1,984
f.	Cryotherapy	184

6. **Medical Education** Lectures & clinics

linical Meeting of IADV & L :

Dr. Vijay Mehta won the All India prise and Madal for best paper presented at the All India onference of IADV&L at Jaipur :-

STD symposium was held at Nair Hospital.

Two paper were selected for Annual Meeting of Maharashtra branch of IADV & L.

DEPARTMENT OF PSYCHIARY:

There are two units in the Department of Psychiatry. A part-time Unit headed by Dr. A.P. Patkar. full-time unit headed by Dr.(Mrs.) H.S. Dhavale.

he activities of the department are as under:

1. **Indoor services:**

Total bed strength		..	44
Total admissions:	Male	..	788
	Female	..	432
			1220
Daily average admissions			4
Total deaths		..	2

2. **Outdoor services:**

The O.P.D. is conducted on all working days of the week.

Total New cases	..	4338

Therapies:

Total No. of E.C.T.s.	..	4685
Daily average E.C.Ts.	..	18
Insulin therapies.	..	4
Total No. of C.S.	..	2

4. **Teaching activites:**

1. **Under and Post Graduate:**

a. 12 lectures in Psychiatry for IIIrd M.B.B.S. 1st term

b. History taking clinical cases discussion and lectures taken for IInd M.B.B.S. students during their 15 days, clinical term posting.

c. Post graduates teaching programme : The post-graduate teachers and lectures 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 IIIrd years B.Sc. students on various clinical topics in Psychiatry.

3. Nursing Students:

40 lectures on psychiatry are held for 3rd years Nursing students of Nair Hospital. Teaching programme for 1. S.N.D.T. 2. Jaslok Hospital, 3. H.N. Hospital students, 4. Bhatia Hospital.

4. Social Work Students :

16 lectures are held on every Wednesday for T.I.E.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.

Total No. of New cases seen	506
Total No. of follow-up	1104

A project of evaluation of 13 Municipal Shools for mentally retarded was completed.

Total No. of New cases seen	492

Peripheral activities:

a. The World Psychiatric Conference at Athence (Grece) was attended by two of our staff membes in Sept. 1989. Two papers were read and one staff member chaired a session.

b. The regular clinical meetings organized by the Bombay Psychiatric Society are held as per schedule by both units of the Department in our hospital.

c. A Psychiatrists from out departemnt attends the C.G.C. daily which is attached to Paediatric Department.

d. Staff members were invited as Guest Lecrtures in the city by various teaching institutions and voluntary organisations to deliver lectures on various Psychiatric subjects.

Other activities:

A seminar on Scholastic Backwardness was held in Nair Hospital, Audisorium in February 1989. Various speakers with experience in child Paychistry Participated.

Teachers Training Programme: The school Mental health Clinic, Department of Psychiatry conducted a lecture-cum. discussion programme on child psychiatry for Municipal school Teachers in march 89 with emphasis on training them to Indentify problem children at school and to be able to give on the spot guidance to their parents.

Municipal Medical Offcers Refresher Course was conducted is April 89 School Mental Helth Clinic Dept. of Psychiatry with amphasis on management of child psychiatry cases.

Seminor on child psychiatry held in December 89 at Nair Hospital Auditorium. One of our staff members got best paper prize.

MEDICINE RESEARCH LABORATORY:

1. Biochemical Tests :-

Urea Nitrogen	4417	Creatinine	4541
Uric Acid	2630	Glucose	14673
Sodium	9426	Potassium	9426

Chloride	9426	Total Proteins	8568
Albumin	8568	Glubulin	8568
Protein Electrophoresis	1595	Calcium	5109
Phosphorus	5109	Alkaline Phosphata	1606
Acid Phosphatese	24	S.G.O.T.	3817
S.G.P.T.	3817	Bilirubin	1869
Cholesterol	2962	Amylase	113
Barbiturate	84	Triglyceride	1730
Mdl-Cholesterol	1730	Ldl-Cholesterol	854
VLDL-Cholesterol	854	VLDL-Triglyceride	854
Glycosulated Hb	102	Lacticc Acid	42
Free Fatty Acid	42	Blood recalcification time	42
C.P.K.	6	L.D.H.	14
Ammonix	50	Phospholipid	117
Protein bound Nexose	50	Nexosamine	30
Fucose	50	Sialic acid	50
IgE	88	Osmolarity	68
Blood gases	120	Pfothrombin time	18
Partial thrombopleam K	18	Fibrinoge Degradation	13
Fibrinogen	13	'N' Band detection	34
			113357

2. Urine tests :-

Urine proteins	649	Bence Jones proteins	14
Specific gravity	77	V. M. A.	29
PH	40		
			809

3. Cytological tests :-

Hemoglobin	8879	Total W.B.C.	8879
Diff. W.B.C.	8879	E. S. R.	2275
Malarial Parasites	14	Platelet	142
Platelet clumping	20	Bleeding time	20
Coagulation time	20	Absolute Eosinophilis	30
			29158

4. Immunological tests :-

R. A. Teste	2102	A.N.A.	412
Anti D. N. A.	14	Immunoglobulins	2826
C. R. P.	249	Complement	239
Cryoprotein	220	A. S. O.	60
T & B cells	70	T-Cell subpopulations	188
			6380

MEDICAL SOCIAL WORKER:

		No. of patients
Old cases carried over from 1988	..	7222
New cases referred in 1989	..	19512
Referred from other institutions	..	3407
Total cases handed in 1989	..	30141
No. of home visits, Institutional visits, colateral contacts	..	9918
Case work services given and No. of cases referred for rehabilitation		9512
No. of follow up letters and letters sent to donors, charitable and welfare organisations	..	12340

A. Material Aid given:

Appliance as belts, callipers, crutches etc.			4120
a.	Wheel chairs	..	405
b.	Glassses (spectacles)	..	1976
c.	Tri wheeler	..	170
B.	Costly and non-scheduled drugs	..	9862
C.	i. Food	..	18215
	ii. Ration	..	2520
	iii. Supplimentary nutritional aid high protein diet	..	2340
	iv. Milk Powder	..	9815
D.	Clothes	..	7536
E.	Library books given to patients	..	1422
F.	School fees, uniforms, text books for patients children and young school going patients	..	3918
G.	Travelling expenses	..	2232
H.	Employment for patients and their family members	..	1540/820
I.	Accomodations	..	475
J.	Institutionalization	..	972
K.	No. of cases rehabilitation	..	5754

During this year 1989 approximately following donation arranged in cash and kind:

Rs. 7,52,225/- in the form of drugs.

Rs. 35,550/- for the appliances.

Rs. 62,585/- for the patients undergoing Cardiac Surgery.

Rs. 2,55,515/- 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 and Pharmacology Department for asseing their cases. and they have raised their funds Rs. 40,8,400/- in 1989.

Following Welfare activities conducted by M.S.W. Department :

1. Haldi-kumkum function arranged for the Indoor female patients.
2. Diwali get together of disabled arranged sweets and gifts to all.
3. Dasara get together arranged in Gynaec. ward and donated baby clothes.

4. Function arranged for the recovered Alcoholics who are employees and patients of Nair Ch. Hospital (Project of Rehabilitation of Alcoholics).

5. 7th Anniversary of Work and training centre celebrated on 14th December 1989.

6. Exibition cum sales was organised of the articles made by disables of Nair Hospital.

7. Cleanliness Drive arranged by M. S. W. Department, for wards and departments.

8. Rangoli competition was arranged for staff members.

9. Function arranged to donate 2 wheel chaire to handicapped through Alimco Scheme.

Report of the project of rehabilitiation of Alcoholics :-

This project started on World Health Day (7th April'83) 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 colaboration of Alcololic Annonimous Group. A. A.'s meeting are arranged on every Saturday between 10.30 a.m. to 11.30 a.m. This is 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. Along with the alooholics their family members are also involved in this project. All these families are taken for the individual and group therapy and rehabilitation.

This was a grest 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 fectories. Day by day more alcoholies and few drug addicts are taking benefits of this projects.

Report of the work and training centre for the disables for the year 1989 :-

This project started in 1981 it was the year of handicapped. It was inaugurated by Hon. Municipal Commissioner Shri D. M. Sukthankar. The benefit is given to the disables who are undergoing treatment is B.Y.L.Nair Ch. Hospital. The main objective to Rehabilitation of these disables with the collsboration from various charitable organisations and private industries. Job training facilities are given in Tailoring, asembling, packing, numbering our hospital registers, along with this we have started training them to make stuffed toys which is very beneficial. The remuneration is paid for the same by industries and hospital. Fourteen disables are completoly rehabilitated and they are on their own. During this year 49 disables have taken advantages of this project. Tree 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 disables to be on their own. They have doneted in kind worth Rs. 45,000/- which is an asset for disabled in rehabilitation. Fabric Painting class started for the trainees from January 1990 onwards.

OCCUPATIONAL THERAPY DEPARTMENT:

The following are the figures for the year 1989 of work load and the work analysis.

Total No. of patients for the year 1989	..	11114
Total No. of patients attendance	..	85726
Total No. of splints prepared	..	863

P.V.C. & D.U.C. Printing Unit:

All these sections are working as usual. The work load of printing work is also increased, than last year.

The work load in D.C.U. is also increased.

Miscellaneous:

Prof. & 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, B.Sc. (O.T.) students, Nurses, were given a routine.

P.G. students in Occupation Therapy and their disartation and work was carried out under guidance of Prof. & Head Occupational Therapy Department.

New splints adaptations & new rehabilitation and approaches were carried out in the interest of patients by the staff and students of this institutions as usual.

PHYSIOTHERAPY DEPARTMENT:

The following are the figures for the year 1989 of the workload and the work analysis.

Total No. of patients treated.	..	11312
Total No. of patients attendance	..	141313

Miscellaneous:

Miss Bharti Ratna and Miss. S.K. Iyer have passed M.Sc. examination from this institution Bombay University.

Electromyography:

Neurophysiological studies are done regularly.

was conducted bythis department.

DEPARTMENT OF RESPIRATORY MEDICINE:

1.	**Out-patients services :**		
	a. Total No. of O.P.D. patients (New).	..	4834
	b. New patients of Non-T.B. chest dieseases	..	1762
	c. Total No. of New T. B. cases	..	296
	d. Total No. of Chest patients follow-up. (Visits)	..	61500
	e. Total No. of T. B. patients follow-up. (Visits)	..	21092
2.	Indoor admissions during the year.	..	402
3.	**Pulmonary Function Laboratory work:**		
	a. Routine P.F.T.	..	1397
	b. Computerises P.F.T.	..	215
	c. Arterial Blood Gases	..	100
4.	**Pathology Laboratory Work:**		
	a. Sputum samples examined	..	4215
	b. C.B.C./E.S.R.		1381
	c. Stool/Urine.		236
5.	Fiberoptic Bronchoscopies:		348
6.	Pleural Aspiration and Biopsies	..	940
7.	Antigen Skin Testing:	..	108
	Desensitisation patients.	..	30
8.	Family Screening.	..	1000

RHEUMATOLOGY CLINIC:

Dr. (Mrs.) R.D. Siqueira, Prof. of Medicine is the head of the Clinic & other members of the unit were Dr. D.D. Tanna, Dr. (Mrs.) N.E. Borges and Lecturers.

Rheumatology O.P.D. was held on Friday and Tuesday morning for new cases and cases of S.L.E. and follow-up O.P.D. was held on Friday afternoon.

In the year 1989, total 550 new cases were registered at the clinic. 75 patients were trated as Indoor patients. The laborstory services provide eduquate support of routine and immunological tests.

The Unit is conducting drug trails and other research projects.

At present two drug trials namely - (i) Clinical evaluation of IDPH- 8261 - A new NSAID in OA/RH Arthritis Phase III financed by M/s. Indian Drugs and Pharmaceuticals Ltd. and (ii) Clinical study of Safety and Efficacy of Pyrox Gel containing piroxicam U.S.P. 0.5% financed by Cipla Ltd. are being conducted in the clinic.

A collaborative study with College of Home Science, Nirmala Niketan was carried out on Protein and Iron status in Rheumatoid Arthritis.

PHARMACY DEPARTMENT:

1. Compounding and Dispensing of Drugs:

This year Pharmacy has dispensed 409972 No. of case papers out-door and 488 No. at Indoor.

Number of stock items supplied to O.P.D. and Theatre 9587 No.

Total quantity of stock prepared for Indoor and Outdoor patients are given below:

i.	Quantity of stock solution prepared in 1 lit.	..	12745 Lit.
ii.	No. of packets made	..	140272 No.
iii.	No. of O.P.D. prescriptions dispensed where account is kept	..	7191 No.
iv.	Prescriptions where special drugs Issued were account is kept.	..	100301 No.
v.	Simple syrup prepared in Lit.	..	738.640 Lit.
vi.	Quantity of stock mixture prepared in Lit.	..	9185.250 Lit.

2. Central Sterile Supply Services:

Various types of Surgical Instruments and other articles are processed systematically assembled in different types of trays/nets and sterilised. The service involved 5028 No. of sets and 14476 No. of trays with annual turnover of 19504 No.

The dressing drums/packs received for sterilization during the year are 16811 Nos.

3. Manufacturing of Pharmaceuticals:

Consolidated manufacturing figures are given below:

1.	Transfusion Bottles 1 Lit.	..	600 No.
2.	Transfusion bottles 540 ml.	..	1,35,484 No.
3.	Vials/Ampules Assorted	..	25,074 No.
4.	Eye ointment packets	..	1,250 No.
5.	Ointments, Creams for ext. use.	..	709 Kg.
6.	Powder	..	120 Kg.

7.	Lotion & Liniment	..	1,327 Lit.
8.	Conc. castro oil liquid Liquid soap	..	305 Lit.
9.	Soft soaps	..	17 kg.
10.	Sterile vaseline gauze tray	..	96 Kg.
11.	Distilled water 10 lit. carboys.	..	27 No.
12.	Distilled water 7 lit. carboys.	..	451 No.
13.	Distilled water 5 lit. flasks	..	481 No.

3 new preparations are undertaken this year.

4. Quality Assurance:

A total NO. of 9 different kinds of products split up in to 1036 No. of batches manufactured by Pharmacy Department were tested at the finished stage and during processing, for which 9962 No. of various kinds of tests were performed.

A total No. of 443 different kinds of products split up into 2170 No. of batches purchased from the outside market were tested for which 5501 No. of various kinds of tests were performed. 65 batches were rejected. The % of rejection being 1.1%.

All the sterlizers under control of Nair Hospital, were tested for their effective working every fortnightly by performing 561 sterility tests on live cultures.

5. Glass Blowing;

Following articles are prepared by the glass blower in theyear 1989:

S.No.	Name of the item		Quantity
1.	Murphy's Drips.	..	320 No.
2.	Heedle Covers.	..	1580 No.
3.	Bleeding set tube	..	750 No.
4.	Glass tubing for renal drainage set small.	..	550 No.
5.	Glass tubing for renal drainage set big.	..	660 No.
6.	Saline sets tubes small.	..	550 No.
7.	Saline sets tubes big.	..	1200 No.
8.	Thorasic Drainage set small	..	700 No.
9.	Thorasic Drainage set big.	..	500 No.
10.	Oxygen canule	..	90 No.
11.	L.P. Set tubes		1200 No.
12.	Test tube for mfg. section		214 No.
13.	'L' Tube for Thorasic Drainage set		800 No.
14.	'Y' conncetion		62 No.
15.	Long droper General Repair (Pharmacy)	..	450 No.
16.	Ampoule sealed.	..	1200 No.

Needle shrpening:

Total 5140 No. of Hypodermic needless were resharpened.

6. Maintenance of machineries:

The maintenance of all electrical equipments of Pharmacy is done departmentally. This also includes some repairing work. The repairs are of all types of Sterilizers of wards and Operation theatres is attended to meet their emergencies.

During the year 1014 repairing jobs are attended totally. These are mainly as follows:

1. The change of electrical heater of the sterilizen.
2. Change of spare parts.
3. Removal of water/steam leackages of the sterilizers.
4. Checking/changing of electrical connections to the equipments.
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.

S.No.	Name of Institution/college	No. of students.
1.	College of Pharmacy - Pedhanbe ..	5
2.	New Bombay ..	5
3.	S.N.D.T. Women's University Bombay ..	2
4.	Sawarde. ..	2
5.	K. M. Kundanani College of Pharmacy ..	3
6.	Manipal. ..	1

I/II M.B.B.S. students in 3-4 batches have visited the Dept. to get the knowledge of Hospital Pharmacy & Sterilization processes.

S.N.D.T. Nursing students in 4 batches have visited the Dept. to get the knowledge of Hospital Pharmacy & Sterilization processes.

B. Pharm, Students from C. U. Shah College attended the training in Pharmacy Department.

E.N.T. DEPARTMENT:

Department of E.N.T. consists of Full time Unit under Dr. D.S. Grewal, Prof. & Head of E.N.T. & 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.

Post operative clinic: Every Wednesday and Thursday respectively by Unit II and Unit I 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-patients 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. Dept. at 11.30 a.m.

Teaching activities: Undergraduate students: Lecture series and clinical term. b) Post graduate students.: The post graduate teachers of dept. guide and 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 by Honorary. Full time E.N.t. Prof., Reader, Lecturers with post-graduate students.

Speech Therapy students: Lectures in E.N.T. are held for the B.Sc. students of this college.

Nursing students: Lectures in E.N.T. are held for teaching Nursing students of this institution.

Course and Workshop:

1. An advansed course on sesthetic facial surgery and Rhinoplasty was organised in the department in month of February 89. Dr. (Prof.) Ham Holmstorm was Guest Surgeon. The

course was attended by E.N.T. and Plastic Surgeons from all over India.

2. A symposium on Role of C.T.Scan and M.R.I. In E.N.T. practise was organised in the month of December 89. E.N.T. surgeon from all over Bombay Attended the Symposium. Dr. Malkani from Hinduja Hospital and Dr. Rao from Breach Candy Hospital were guest speaker.

DEPARTMENT OF HAEMATOLOGY:

The O.P.D. functions twice a week on Monday and Friday. 660 new cases have been seen in the Department of Haematology. 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 40 to 45 daily throughout the year.

Total No. of new cases	..	484
Total No. of follow-up cases	..	5077
Total No. of investigations	..	63790

DEPARTMENT OF GASTROENTEROLOGY SURGICAL SERVICES :

The O.P.D. of the Gastroenterology Surgical Services is hold on every Wednesday.

Total No. of Endoscopies dons.	..	674
Total No. Upper G.I. Scopies.	..	663
Total No. of Colonoscopies.	..	11

The Upper G. I. Secpies include 49 endoscopic sclerotherapies, diagnostic, therapeutic and ERCPS.

The department also conducted 2 seminors

1. Update in Gastroenterology.
2. Maintenance of Endoscopes.

UROLOGY DEPARTMENT:

The O.P.D. functions twice a week on Tuesday and Fridays.

New Cases	..	194
Indoor admission Total	..	285
Total No. of operations : Major	..	174
Minor	..	210

DEPARTMENT OF ORTHOPAEDICS:

Department Is praparing for the next decade as surgical techniques and instrumentation are totally outdated. The series of co-ordinated stops are taken to upgrade the department by help of senior and junior collegues. Next couple of years, our department should provide following services-

1. Surgery for Lumbosacral & cervical instability with segmental fixation.
2. Total hip replacement.
3. Total knee replacement.
4. Development of acute trauma care unit for prompt treatment of polytrauna patient which will improve functional results and reduce hospital stay.
5. Research activities on cadavers must go on if we want to do indigenous technique and achieve expertise before trying a new technique in indicated cases.
6. Nair Hospital Is perhape the only hospital which has planned out for next decade due o administrative help and help of-collegues. Total hip replaocment and Rigid internal fixation and modern spinal surgery is carried out at our institution as tousice procedures.

PAEDIATRIC SURGERY DEPARTMENT:

The O.P.D. functions twice a week on Wednesday and Saturday.

Total No. of operations. 106

NURSING:

The total No. of students admitted for General Nursing and Midwifery in the year 1989 are 48 & 80.

The No. of students appeared for midwifery are 36 and all passed.

The No. of students appeared for General Nursing Part II exam. 85 and 80 passed.

The No. of students appeared for 2nd year G.N.M. exam. are 59 and 52 passed.

The No. of students appeared for 1st year G.N.M. exam. 62 and 59 passed.

The No. of students discontinued from training is 1.

The No. of students left the institution are 2.

The No. of students discontinued after training for want of post are 11.

The No. of Staff Nurses left the institute are 25.

In the month of March 89 Smt. Thresl Joy Sistertuter attended workshop on "Implementation of scheme of training" in J. J. Hospital.

In the month of April, 89 Smt. Vinaya Pai, Sister had attended Seminer on "Car maintainance of Fiber Scope" in Tata Memorial Hospital.

National Seminar on update In Surgical Nursing was held at K.E.M. Hospital in the month of April 89. Smt. T. John, Jr. Asstt. Matron and Smt. Ruth Gaikwad, sister presented their papers in the seminor. 1. Sr. Anama Varghese, 2. Sr. S. A. Rane, 3. S/N. Anamme C. Thomas, 4. S/N. Indumati Patil, 5. S/N. Vandana Dongerdive, 6. S/N. Mathow at ded the above seminar.

In the month of April 89 Smt. Thankamma Arvind attended the training in B.C.G. vaccination at J. J. Hospital.

In the month of May 89 Mayor's Award was given to Smt. Ranjana Chougule 2nd year Student Nurse.

In the month of June 89 Smt. Sosamma Mathow attended the workshop on "Implementation of the scheme" of training on revised G.N.M. course.

In the month of August 89 Short Term Paediatric Course was attended by Smt. Smita S. Sonawane, Staff Nurse.

In the month of August 89 Nair Award given to the following candidate. :-

1.	Smt. J. R. Pandit	Sister Tutor.
2.	Smt. S. K. Kamat	Sister
3.	Smt. Mandakini Shingote	Staff Nurse.
4.	Smt. Sherly T.B.	Student Nurse.
5.	Smt. Vasanti Jadhav	Student Nurse
6.	Smt.Gynthia Fernandes	Student Nurse
7.	Shri.U. L. Kolbekar	Ward Assistant
8.	Shri Arjun Pawar	Theatre Assistant

Smt. M. V. Sonane, Sr. Asstt. Natron and Sister N. Kamala was deputed to attend the course on Management for Nursing Administrator during the month of September 89 at Madras.

T.N.A.I. conference at State Level was held at Nasik in the month of September 89, Smt. Usha Gorule received 2nd prize for the model (Primary Health Centre).

Medical camp at Bidada in Kuto was attended in the month of September 89 and February 89 by the following Nursing Staff.

1. S/N. Mangala Pawar
2. S/N Shubhangi Uatle
3. S/N. Lisamma N. A.
4. S/N. Gojalaxmi Mirjkar.
5. S/N. Nirmala N. J.
6. S/N Sushma Puselkar.
7. S/N Anikutty T. M.
8. S/N. Annu Abraham.
9. S/N. Susan Joseph
10. S/N. Laila Jocob.
11. S/N. Susan Joseph
12. S/N. Leela N. M.
13. S/N. Shobhemol Kurian

In the month of September 89 Short term course on "Burne Nursing" in S.N.D.T. was attended by Smt. S. G. Awasare, Staff Nurse and Smt. D. P. Todenkar, Staff Nurse.

In the month of September 89 Smt. A. J. Patel, Sistertutor attended the workshop on "Implementation of the scheme of training on Revised G.N.M. Course in J. J. Hospital.

T. N. A. I. conference was held at National level in the month of December 89 at Orissa. Smt. A. J. Patel, Sister-tutor and Smt. Seema Bhagat and Sudha Irepet, Staff Kurse attended the same.

In the month of December 89 Smt. Mary Kathai attended the workshop on Implementetion of the scheme of training on Revised G.N.M. course.

TOPIWALA NATIONAL MEDICAL COLLAGE :

The college has been permanently a filiated to the University of Bombay for teaching the course of students leading up to 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.

556 undergraduate students (292 ladies) and 257 post-graduate students (123 ladies) were on the roll at the close of the year :-

Students on roll as on 31.8.89 :-

UNDERGRADUATE :

Class	Male	Female	Total
III M.B.B.S. Casual	18	5	23
III M.B.B.S. III Term	40	44	84
III M.B.B.S. II term	11	4	15
III M.B.B.S. I term	43	48	91
II M.B.B.S. III Term	8	7	15
II M.B.B.S. II term	39	54	93
II M.B.B.S. I term	6	10	16
I M.B.B.S. Casual	5	4	9
I M.B.B.S. III term	40	58	98
I M.B.B.S. II term	-	-	-
I. M.B.B.S. I term	54	58	112
Total :	**264**	**292**	**556**

Post Graduate :

Class	Male	Female	Total
M.D./D.M. (All branches)	60	64	124
M.S./M.Ch. (All branches)	55	12	67
University Diploma D.A., D.P.H., D.V.D., D.P.M., D.M.R.D.	14	10	24
M.Sc. (Biochemistry) Papers	1	11	12
M.Sc. by Research	1	5	6
Microbiology (By Resesrch)	-	5	5
M.Sc. (Occupational Therapy)	-	5	5
M.Sc. (Physical Therapy)	1	-	1
D.M.L.T.	1	9	10
M.Sc. (Microbiology)	1	2	3
Total :	134	123	257

TOPIWALA NATIONAL MEDICAL COLLEGE LIBRARY:

The Library of Topiwala National Medical College and B.Y.L. Nair Ch. Hospital is well maintained and information stored is easily accessable. Library services were cater to 584 Undergraduate Students, 250 Postgraduate Students, 221 Physicians and 300 Residential Doctors, Scientific Officers, Research Assistants, Nurses and other paramedical staff. Readers from other Institute were also permitted to use Library facilities with the permission of the competent authority. The xerox facility is also made available by the Nair Golden Jubilee Research Foundation Trust. The computer PC 386 and PC XT is also made available by the University Grant Commission, Delhi. The book lending facility is made available to nearly 250 Undergraduate students through Dr. A.V. Baliga Lending Unit.

Comparative Statistical table of various activities of the Library is as follows:

COLLECTION	1989-90	1988-89
(A) BOOKS:		
1. Total No. of Books added in the collection of Central Library	633	901
2. Purchased for Central from the current year grant	202	186
3. Received as gratis from various sources	217	220
4. Kept in Library for reference	93	179
5. Text books purchased (as new edition published) for undergraduate.	36	93
6. Transferred to various Departments for quick reference from separate grant for Departments.	214	223
7. No. of books withdrawn from collection as become old edition	119	76
(B) PERIODICALS:		
1. Subscribed		260
2. Donated	175	160
(C) THESIS:		
1. Added during	57	64
(D) BOUND JOURNALS		
1. Added during	600	1150
ACTIVITIES :		
a. No. of periodicals and books issued on premises for refrence in the library	40454	43605

b.	No. of books, periodicals issued for Home reading	2785	4301
c.	No. of thesis referred on premises in the library	350	484
d.	NO. of books/periodicals loaned on Inter Library loan to the other libraries.	750	510
e.	No. of books/periodicals borrowed on Inter Library loan		9
f.	Back issues of periodicals received from other libraries	Nil	27
g.	Back issues of periodicals donated to the other libraries from our duplicate collection	Nil	5
h.	No. of reference used by the outsiders	1050	1000
i.	No. of reference used by past students.	89	60
j.	No. of reference querries attended by library staff/librarian	500	500
k.	No. of books issued on short reference for overnight readers.	503	480

The library at the end of the year has 34,664 books, 18479 Bound Volumes of Periodicals, 1765 thesis and 1933 teaching slides and one Audio Cassette.

DR. BHAJEKAR MUNICIPAL HOSPITAL

The Skin and Ophthalmic wards are shifted to Dr. Bhajekar Hospital from 1.4.84 as the Annex Building of Nair Hospital where these wards were housed was to be repaired.

APPENDIX NO. I

The distribution of beds of this hospital is as under;

S.No.	Department	Male	Female	Children	Total
1.	Medical	96	38	-	134
2.	Surgical	97	35	-	132
3.	Gynaec.	-	39	-	39
4.	Obstertic	-	54	-	54
5.	Premature.	-	-	6	6
6	Ophthalmic.	24	12	-	36
	Cataract Beds.	6	-	-	6
7	Paediatric (Inlcuding IPCU)	-	-	57	57
8.	Skin & V.D.	12	4	-	16
9.	E.N.T.	26	10	-	36
10.	Chest & Respiratory Diseases.	23	7	-	30
11.	Orthopaedic.	70	12	-	82
12.	Psychiatric.	24	22	-	46
13.	Cardiology	8	3	-	11
14.	I.C.C.U.	7	-	-	7
15.	Cardio Vascular Thoracic Surgery	7	4	-	11
16.	I.C.C.U.	4	-	-	4
17.	Neurology	13	3	-	16
18.	Neurosurgery.	12	4	-	16
19.	Plastic Surgery.	11	5	-	16
20.	Gastro-enterology (M)	22	3	-	25
21.	Gastro enterology(S)	3	2	-	5
22.	Haematology	6	4	-	10
23.	Paediatric Surgery	-	-	2	2
24.	Nephrology	7	2	-	9
25.	Genito Urinary (S)	6	1	-	7

S.No.	Department	Male	Female	Children	Total
26.	Diabetic	3	2	-	5
27.	Rheumatology	3	2	-	5
28.	M.A.C.U	12	-	-	12
29.	Paying Wards	10	10	-	20
30.	Special Ward	5	-	-	5
31.	Isolation	5	-	-	5
32.	Observation	8	-	-	8
33.	Artificial Kidney Dept.	2	-	-	2
Total		532	278	65	875

APPENDIX - II

The number of accident cases treated:

Sex	Treated in Casualty Department		Admitted through Casualty Department	
	1989	1990	1989	1990
Male	12230	9962	2975	2898
Female	2586	2249	832	869
Male Child	2362	1780	559	576
Female child	1230	874	329	334
Total	18408	14865	4695	4677

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						
1990	7.33	34.36	2.04	7.43	190.03	241.19
1989	7.85	28.52	11.40	12.00	120.37	180.1
Out-patient						
1990	-	5.67	0..34	1.23	32.18	39.42
1989	-	5.15	2.70	2.55	21.80	33.20

APPENDIX NO. : IV

Department	O.P.D. New Cases					Casualty Cases.				
	Male	Female	M/Ch.	F/Ch.	Total	Male	Female	M/Ch.	F/Ch.	Total
Medical	25157	13233	-	-	38390	1155	476	-	-	1631
Surgical	15397	5355	2163	1071	23986	6380	1238	1140	573	9331
Ophthaimic	5272	2824	638	347	9081	227	25	25	2	279
Gynaec.	-	5435	-	-	5435	-	8	-	1	9
Skin.	10233	4567	2624	1698	19122	29	4	3	1	37
Aural.	6505	3826	2004	1323	13655	194	38	65	35	332
Orthopaedic	86	4439	1168	640	14861	1614	389	351	162	2516
Paediatric.	-	-	8479	6037	14516	-	-	119	73	192
Maternity.	-	4287	-	-	4287	-	-	-	-	-
T. B.	2638	1193	101	56	3988	1	-	-	-	1
Cardiology (Medical)	910	365	81	61	1417	7	-	-	-	7
Gastroenterology.	360	190	12	7	569	3	-	-	-	3
Psychiatric.	2135	1011	192	92	3430	27	5	-	-	32
Rheumatic & Collegen Diseases.	98	139	6	6	249	-	-	-	-	-
Neurosurgery.	399	209	57	27	692	7	2	2	1	12
Neurology.	634	314	78	57	1083	4	1	-	-	5
Plastic Surgery.	176	100	37	33	346	108	10	5	2	125
Gastroenterology Surgical Service.	60	23	12	2	97	-	-	-	-	-
Renal Surgery.	106	70	7	3	186	1	2	-	-	3
Genito Urinary Surgical Service	171	37	7	2	217	-	-	-	-	-
Thyroid Surgery	166	290	20	7	483	-	-	-	-	-
Anti-rabies.	1138	250	332	136	1856	203	51	69	24	347
New Born.	-	-	573	413	986	-	-	-	-	-
Special Care.	-	-	4	-	4	-	-	-	-	-
Paediatric Surgery.	-	-	40	23	63	-	-	1	-	1
Diabetes.	173	105	6	-	284	-	1	-	-	1
Haematology.	110	48	41	20	219	2	-	1	-	3
Asthma.	64	36	2	3	105	-	-	-	-	-
Hypertension.	11	4	-	-	15	-	-	-	-	-
Cardiology (Surgical).	217	96	26	13	352	3	-	-	-	3
Endocrinology.	105	114	30	11	260	-	-	-	-	-
Grand Total.	**80849**	**48560**	**18736**	**12088**	**160233**	**9962**	**2249**	**1780**	**874**	**14865**

APPENDIX NO. : V

Summary of In-patients classified according to Department and sex :-

Department	Sex	In the hospital on mid-night of 31.12.89	Admitted during the year 1990	Total	Discharged cured.	Discharged Otherwise	Deaths	Remaining in the hosp. on midnight of 31.12.90
Medical	Male	85	5005	5090	2433	1987	566	104
	Female	56	2492	2548	1725	556	225	42
	Total	141	7497	7638	4158	2543	791	146
Surgical	Male	60	5999	8059	4061	1678	206	114
	Female	19	1957	1976	1267	613	59	37
	Male Child	3	773	776	683	73	15	5
	Female Child.	5	415	420	361	47	11	1
	Total.	87	9144	9231	6372	2411	291	157
Othtaimic	Male	20	623	643	493	129	1	20
	Female	17	447	464	375	77	1	1
	Male Child	3	53	56	43	13	-	-
	Female Child.	-	33	33	24	9	-	-
	Total.	40	1156	1196	935	228	2	31
Gynaec.	Female	21	1757	1778	1705	53	-	20
	Total.	21	1157	1778	1705	53	-	20
Skin & V.D.	Male	5	124	129	94	31	1	3
	Female	3	34	37	22	15	-	-
	Male Child	-	5	5	5	-	-	-
	Female Child.	1	4	5	5	-	-	-
	Total.	9	167	176	126	46	1	3
E. N. T.	Male	13	1032	1045	978	53	3	11
	Female	8	643	651	580	68	1	2
	Male Child	1	291	292	209	83	-	-
	Female Child.	4	263	267	233	34	-	-
	Total.	26	2229	2255	2000	238	4	13
Orthopaedic.	Male	73	1180	1253	744	429	8	72
	Female	27	409	436	240	171	6	19
	Male Child	7	211	218	131	80	-	7
	Female Child.	6	140	146	81	59	-	6
	Total.	113	1940	2053	1196	739	14	104
Paediatric.	Male Child	12	1148	1160	915	85	139	21
	Female Child	19	835	854	625	101	101	27
	Total	31	1983	2014	1540	186	240	48
Maternity	Female	65	3934	3999	-	3946	-	53
	Total.	65	3934	3999	-	3946	-	53
T. B.	Male	5	328	333	-	310	17	6
	Female	3	120	123	-	117	5	1
	Male Child	-	11	11	-	11	22	7
	Female Child	-	2	2	-	2	-	-
	Total.	8	461	469	-	440	44	14
Paychiatric	Male	21	806	827	5542	743	-	29
	Female	13	399	412	99	297	-	16
	Male Child	-	9	9	-	9	-	-
	Female Child	-	2	2	-	2	-	-
	Total.	34	1216	1250	154	1051	-	45
Rheumatic &	Male	4	17	21	-	20	-	1
Collegen	Female	1	17	18	-	18	-	-
Disease.	Male Child	-	1	1	-	1	-	-
	Female Child	-	-	-	-	-	-	-
	Total.	5	35	40	-	39	-	1

Department	Sex	In the hospital on mid-night of 31.12.89	Admitted during the year 1990	Total	cured.	Deschargedd Otherwise	Deaths	Remaining in the hosp. on midnight of 31.12.90
Neurology	Male	15	219	234	-	217	6	11
	Female	5	96	101	-	90	4	7
	Male Child	2	21	23	-	22	1	-
	Female Child	-	17	17	-	17	11	18
	Total.	22	353	375	-	346		
Neuro Surgery.	Male	15	208	223	-	155	49	19
	Female	5	96	101	-	81	11	9
	Male Child	1	35	36	-	29	6	1
	Female Child	3	20	23	-	19	3	1
	Total	24	359	383	-	284	69	30
Thrbid Surgery.	Male	-	4	4	-	4	-	-
	Female	-	-	-	-	-	-	-
	Male Child	-	1	1	-	1	-	-
	Female Child	-	1	1	-	1	-	-
	Total.	-	6	6	-	6	-	-
Plastic Surgery.	Male	5	143	148	-	140	-	8
	Female	1	74	75	-	74	-	1
	Male Child	3	44	47	-	43	-	4
	Female Child	-	44	44	-	44	-	-
	Total.	9	305	314	-	301	-	13
Ganstroenterilogy Surgical Service	Male	2	54	56	-	56	-	-
	Female	-	15	15	-	15	-	-
	Male Child	-	3	3	-	3	-	-
	Female Child	-	1	1	-	1	-	-
	Total.	2	73	75	-	75	-	2
Genito-urinary Surgical Service	Male	1	116	117	-	108	-	9
	Female	-	26	26	-	23	-	3
	Male Child	-	13	13	-	11	-	2
	Female Child	-	1	1	-	1	-	-
	Total.	1	156	157	-	143	-	14
Diabitic	Male	7	81	88	-	79	-	9
	Female	8	53	61	-	56	-	5
	Male Child	-	2	2	-	2	-	-
	Female Child	-	-	-	-	-	-	-
	Total.	15	136	151	-	137	-	14
Cardiology	Male	5	527	532	-	501	17	14
	Female	1	229	230	-	220	3	7
	Male Child	-	79	79	-	79	2	-
	Female Child	-	61	61	-	61	-	-
	Total.	6	896	902	-	859	22	21
Gastro-enterology (Medical)	Male	19	335	354	-	317	25	12
	Female	4	170	174	-	165	4	5
	Male Child	-	8	8	-	8	-	-
	Female Child	-	1	1	-	1	-	-
	Total.	23	514	537	-	491	29	17
Renal	Male	1	113	114	-	100	8	6
	Female	-	67	67	-	59	6	2
	Male Child	-	11	11	-	11	-	-
	Female Child	-	2	2	-	1	1	-
	Total.	1	193	194	-	171	15	8
Cardiac Burgery.	Male	8	147	155	-	125	24	6
	Female	8	79	87	-	73	11	3
	Male Child	3	21	24	-	15	6	3
	Female Child	-	13	13	-	6	5	2
	Total.	19	260	279	-	219	46	14

Department	Sex	In the hospital on mid-night of 31.12.89	Admitted during the year 1990	Total	Descharged cured.	Descharged Otherwise	Deaths	Remaining in the hosp. on midnight of 31.12.90
Naematology	Male	6	178	184	-	159	15	10
	Female	1	103	104	-	95	7	2
	Male Child	-	325	325	-	320	4	1
	Female Child	-	130	130	-	126	1	3
	Total.	7	736	743	-	700	27	16
Asthma.	Male	-	41	41	-	41	-	-
	Female	-	17	17	-	17	-	-
	Total.	-	58	58	-	58	-	-
Paediatric	Male Child	-	112	112	-	100	3	9
Surgery	Female Child	1	50	51	-	42	5	4
	Total.	1	162	163	-	142	8	13
Hypertemsion	Male Child	-	2	2	-	2	-	-
	Total	-	2	2	-	2	-	-
Endoerinology	Male	-	1	1	-	1	-	-
	Male Child	-	1	1	-	1	-	-
	Total	-	1	2	-	2	-	-
New Bora.	Male Child.	7	1528	1535	-	1528	3	4
	Female Child.	4	1431	1435	-	1424	4	7
	Total.	11	2959	2970	-	2952	7	11
	Grand Toatal.	721	38689	39410	18186	18808	1599	817

APPENDIX NO. VI

CENTRAL LABORATORIES.

Investigations carried out in Central Clinical Laboratory (O.P.D.No. 16) during the year 1989 January to December:

Blood count & Hb.	22512	Urine	14872
Stool	4784	Cocult Blood	336
E.S.R. Tests.	7683	C.S.F. Routine	751
Pleural Fluid	429	Ascitic Fluid	478
Blood Malarial parasites	765	Throat swab.	9
P.D. Fluid	22	Cystic Fluid	5
		Total	**52666**

Collection of Material (Blood):

Blood Urea	3721	Blood Sugar	5782
Blood for P.P. Sugar	2884	Blood for R.A. test	402
Blood serum (Cholesterol)	1139	Blood Uric Acid	284
Blood serum Cal.	316	Blood L.F.T. Test	874
Blood VDRL Test	1801	Blood Serum Alk.Pho.	424
SCOT & SGPT	877	Blood widal Test	617
Blood Serum (Elet.)	3326	Blood Serum Electrlyte	2118
Blood Serum Billirubin	430	Blood P.T.P.K.	85
Blood L.E. Cells.	32	Blood P.C.V.	120
Blood C.H.G.	144	Blood Gr.	1056
Blood Serum Amy.	30	Blood A.S.O.Titer	33
Blood Serum Protein	491		
		Total	**26778**

INVESTIGATIONS DEPARTMENT WISE

(1) Department of Pathology

Surgical Histopathology Section:

1.	Surgical Tissue received	.. ..	6604
2.	E.N.T. Tissue	.. ..	465
3.	Gantacrus Hospital	.. ..	837
4.	Total Nos. of blocks, prepared	.. ..	12715

Sides prepared:

1.	Surgical Slide		
2.	E.N.T. Slide	.. ..	12715
3.	Santacruz Hospital slide		
4.	Skin Department	.. ..	250
5.	G. E. Department	.. ..	1750
6.	Slide for meeting	.. ..	350
7.	Practical class.	.. ..	350
8.	Duplicate slide	.. ..	2390
9.	Special stains.	.. ..	3910
10.	Eequest from staff.	.. ..	500
11.	Tata Hospital	.. ..	250
12.	P.G. students.	.. ..	500
13.	Frozen section.	.. ..	135
		Total ..	**23500**

CYTOLOGY SECTION

1.	Total No. of speciments (Samples) received FNAC plus Fluids ..	2762
2.	Fine needle aspiration Cytology (Lymph nodes, Breast, mise, thyroid)	1564
3.	Thyriod aspirations	545
4.	Lung aspirations	72
5.	Routine cytology Fluids. (speciments)	581
	a. Pleural fluid	86
	b. Ascitic Fluid	109
	c. Urine	32
	d. Sputum	99
	e. Bronchial	192
	f. C.S.F.	25
	g. Miscelleneous.	38

HAEMATOLOGY SECTION.

Complete Haemogram	6331	Hb. & P. C. V.	5865
Bleeding Time/Clotting time	1823	Malarial parasite	1265
Eb, BT, CT.	1425	Platelet count	838
Bone Marrow	107	Osmotic fragility	10
Sickle cell anomic pheromeroa.	10	E.S.R.	120
L. E. Call	50	M.F.	20
		Total	**17864**

POST MORTEM HISTOPATHOLOGY SECTION.

Investigations carried out in the Post Mortem Histopathology during the year 1989 - January to December.

Total P.M. Autopsies done in 1989 ..	866
Total Blocks prepared in the year ..	9281
Total slides in the year. ..	9281
Total slides stained in the year ..	9281
Details of different types of slides prepared	
1. Special staining slides ..	5010
2. Practical class slides ..	160
3. Duplicate slides ..	1320
4. Slides for post graduate students ..	1215

CHEMICAL PATHOLOGY

Total No. Investigations carried out in the Chemical Pathology during the year 1989 - January to December:

Blood Sugar	37989	G.T.C.	41
Blood Urea	27759	Creatinine	27010
Creatinine Clearance	33	Uric Acid	2042
Fibrinogen	150	Total Protein	8540
Total Albumin	8540	Total Globulin	8540
Alk. Phosphatase	8290	Vanden Bergh	6076
I. Index	6076	Bilirubin Total	3558
Bilirubin Direct	3588	S.G.P.T.	10651

S.G.O.T.	10651	P.T./P.I.	3062
Inorganic Phosphorus	2033	Acid Phosphatase	173
Serum Analyse	1408	Serum Cholesterol	4637
C.S.F. Sugar	1721	C.S.F. Chloride.	1721
Urobilinogen (Urine)	24	Porphobilinogen (Urine)	15
Total Lipid	166	Triglyceride	166
Phospho Lipid	166	Serum L.D.H	513
Serum Na.	26871	Serum K	26871
Serum Cl.	26871	Serum Ca.	3279
Urine Protein	108	Urine Creatinine	25
Urine Na	501	Urine K.	501
Urine Cl.	501	Sweat Cl.	3
V.M.A.	24	B.J. Protein	12
Spectroscopy	3	Lithium	302
Urine Calcium	108	Urine phosphate	30
Serum Copper	13	Serum Cerulophasruin	13
Serum Electrophoresis	7	Urine Electrophoresis	5
Urine P.H.	4	Urine Copper	8
		Total	**271421**

Total No. of investigations done in Emergency Laboratory during the year 1989 - January to December :

Blood Cases	137937	Haemoglobin.	6200
Packed Cell volume	5813	Serum Sodium	16025
Serum Potassium	16025	Serum Chloride	43
Blood Sugar	3545	Blood Urea Nitrogen.	2214
Sugar Amylase	202	Smear	237
Culture	13	Antibiotic Sensitivity	2
Drythrocyte sedimentation rate.	79	Total Count.	308
Differential Count	242	Prothrombin time/Prothrombin Index	49
Platelet Count	2		
		Total	**188936**

(2) DEPARTMENT OF MICROBIOLOGY

Bacteriology Section:

Total No. of Investigation carried out during the year 1989:

Clot culture	1969	Blood Culture	811
Urine	6610	Urine A.F.B.	311
Sputum A.F.B.	3665	Sputum Culture	2312
Pus & Aspiration	2223	C.S.F.	1640
Ascitic Fluid	353	Pleural Fluid	331
Pericardial Fluid	9	Peritoneal Fluid	65
Bronchial Aspiration	145	Liver Aspiration	16
Knee Aspiration	10	Hydrocele Fluid	11
Synovial Fluid	7	Dyliasis Fluid	13
Umbilical Swab	8	Throat Swab.	250
Nasal Swab	18	Ear Swab.	99

Conjunctival Swab	87	Brain Swab	24
Vaginal Swab	57	Cervical Swab.	13
Urethral Swab Semen	45	Tracheal Swab	211
Endometrium	80	Bile	69
Stool	245	Tissue	26
Eye Swab	10	Gastric Aspiration	162
Lymphnode	5	C.V.P. & Catheter Tip	69
Anaerobic Culture	1294	Tuberculosis Test.	2161
Sensitivity Test	4912	Post-mortem Blood Culture	12
Post-mortem Miscellaneous	16	Operation Theatre	344
Fungal Culture	422		
		Total	**31160**

Mycology Section:

C.S.F.	25	Spuntum	38
Urine	214	Stool	10
Swabs (conjuctival, corneal ear, throat swabs, vaginal)	95	Skin Swab.	20
Miscellaneous (Aspiration, pus fluid.)	40		
		Total	**442**

Serology Section:

Blood V.D.R.L.	7927	C.S.F. V.D.R.L.	391
Blood Vidal	1970	Paul Bunnel test	21
RA test	491	A.S.O. titre	160
Aldehyde test	1		
		Total	**10961**

Food Handlers' Scheme:

No. of V.D.R.L.	1717	Blood Vidal	1717
		Total	3434
		Grant Total	**14395**

(3) DEPARTMENT OF PHARMACOLOGY

Investigations carried out in Radioisotope Unit from January to December 1989.

Scans		**Scans.**	
Thyroid Scan	678	Liver Scan (Phytate)	494
Liver Scan (Bulida)	112	Bone	139
Brain	133	Renogram	193
MUGA studies	128	Miscellaneous	8-10
R.I.A. T3 T4	950	T.S.H.	683
Angiotensin	45		

(4) BLOOD BANK

1. **Blood Collection:**	Total	11,113	
Vol. Indoor + Outdoor	8,555	Replacement	1,280
Bottles brought from other hospitals	1,278	No. of outdoor sessions	117

2. Blood Utilisation:

Transfusions given to Nair Hospital patients	8812
No. of blood bags used for Nair Hospital patients	8258
No. of blood bags given to other hospitals	2723
No. of blood bags sent for plasma to Haffkine	69
No. of blood bags discarded	400

3. Blood Components Prepared:

Packed Cells	1333	Single washed pack cells.	-
Single unit + Pooled plasma.	1442	Platelets (Brought from other Institutions)	21
Fresh Frozen Plasma (Brought from other Institutions)	97	Cryoprecipitates (Brought from other Institutions).	258
Pheresis packs	10		

4. Pretransfusion tests done in donor samples:

Antibody Screening total No. tested	..	11113
Grouping	..	11113
Rregular Antibodies detected	...	40
Hepatitis Screening Total tested		9835
HBsAg Positive		224
HbsAg Negative	..	9611
V.D.R.L. Screening Total	..	9835
Positive	..	23
Negative	..	9812
H.I.V. testing Total	..	8978
HIV Positive		35
BIV Negative	..	8943
Low Titre Screeining done (Arch)	..	539
High Titre found	..	-

Pre-tranfusion tests done in patients:

Routine Grouping	..	540
Gouping with cross matching	..	4616
Antibody detection	..	4616
Irregular antibodies detected	..	11
Compatibility tests done	..	13917

5. Hepatitis Screening done:

Undergoing Cardiac Surgery & Multiple transfusion & Ward patients	..	77(5)

6. Antenatal Scrology:

Grouping	3376	Antibody detection	75
Cord Blood Grouping	3268	M.T.P. Grouping	456

7. Mise. Investigations:

Coomb's tests (Direct).	..	165(18)
Coomb's tests (Indirect).	..	1824(15)

8. Preparation of Reagents:

Copper sulphate	..	55 Lits.
Papin cystein	..	3000 Ml.
Normal Saline	..	-

(5) HAEMATOLOGY DEPARTMENT

Complete haematology	5077	Haemoglobin	5077
R.B.C.	5077	Blood P.C.V.	5077
M.C.V.	5077	M.C.H.C.	5077
M.C.H.	5077	W.B.C. (Total)	5077
W.B.C. (Diff.)	5077	Periparal Smeal	5077
Blood Reticulocytes	933	Platelet Counts	1232
E.S.R.	822	L.E. Cell	3
Serum Iron	481	Total Iron Binding Capacity	481
T. S.	481	Serum Ferritin.	Nil
Foetal Hemoglobin	108	Foetal Red Cell staining.	-
Fregility	20	Hb Electrophoresis	216
Cellogel on Computerised Densitometer.	216	Sickle Cell Test	216
Immunoglobulin	-	Bleeding Time	48
Clotting Time	44	Clot Retraction	44
Prothrombin Time	292	Deficiency of Factor II, V, VII & X	-
Prothrombin Consumption Test	-	Thromboplastine Generation Test	20
Thrombine Time	20	Euglobulin Clot Dysis Time	-
Plasma Recalcification Time	-	Partial Thromboplastine Time with Kaolin	152
Fibringogen Degradation Product	4	Assay of Heparin in Plasma	-
Paracoagulation test thanol Gel Test.	-	Platelet Aggregation Test on Aggregometer.	32
Platelet Factor 3 availability	-	Platelet Factor IV.	-
Gutathion (GSH) (Concentration & Stability Test)	-	Glucose-6-Phosphate Dehydrogegenase test (Screening Test).	24
6-phosphogluconic Dehydrogenase Assay.	-	Pyruvate Kinase Assay.	-
Bone Marrow	237	Bone Marrow Iron Staining.	237
Paroxidase Staining	-	Puelgen Staining.	-
Hein Body Test	-	Unstable Hemoglobin.	2
Urin Urobilinogen.	-	Hb Spectroscopy.	-
Methalmoglobin Test.	-	Sucrose Lysis.	22
P. N. H.	8	Coombs Test.	-
		Total	**63790**

(6) FORENSIC MEDICINE DEPARTMENT

Investigations carried out in the year 1989 (January to December 1989) in Forensic Medicine epartment

Total No. of Medico-legal autopsies	..	290
Post Mortem Blocks prepared and cut	..	1160
Post Mortem routine slides prepare	..	1160
Record of the slides prepared:		
Routine staining slides	..	1160
M.L. Exam. (Clinical)	..	4 cases.
	..	

APPENDIX NO. VII
RADIOLOGY DEPARTMENT

S.No.	Investigations carried out.		Total No. of patients
I.	**Respiratory System:**		
	1. Bronchogram	..	43
II.	**Cardio Vascular System:**		
	1. Aortogram	..	9
	2. Carotid Angiogram	..	110
	3. Renal Angiogram	..	11
	4. Femoral Angiogram	..	12
	5. Tranalumber Acrtogram	..	3
	6. Venogram	..	40
	7. Selective Angiograms :		
	i. Hepatic	..	1
	ii. 4 Vessel	..	2
	iii. Axillary	..	2
	8. Embolization	..	1
III.	**Gasto Intestinal System:**		
	1. Sialogram	..	18
	2. Barium Swallow	..	304
	3. Barium Meal	..	897
	4. Barium Enema	..	320
	5. Oral Cholecystogram	..	65
	6. Intravenous Chalangiogram	..	13
	7. T.Tube Cholangiogram	..	35
	8. Splenogram	..	21
	9. Percuteneous Transhepstic Cholangioram	..	13
	10. Percutaneous Transhepatic Drainage	..	3
	11. Cologram	..	18
	12. Hypotonic Duodenography	..	4
	13. Palatography	..	4
	14. Fine Needle Aspiration Biopsy	..	30
IV.	**Genito-Urinary System:**		
	1. Intravenous Urography	..	837
	2. Ascending Urethrogram	..	102
	3. Ascending Pyelography	..	47
	4. Mict. Cystogram (M.C.U.)	..	140
	5. Nephrostomogram	..	6
V.	**Central Nervous System :**		
	1. Myelogram	..	171
VI.	**Obstetrics & Gynaec:**		
	1. Hystero Salpingography	..	47
VIII.	**Miscellaneous**		
	1. Fistulogram	..	8
	2. Sinusogram	..	28
	3. Cavitogram	..	3
	4. Tubogram.	..	3

S.No.	Investigations carried out.	Total No. of patients
	5. Tompgram ..	11
	6. Dacryccystography. ..	1
VIII.	1. Endoscopic Retrograde Cholangic Pancreatography	70
	2. Ultrasonography ...	2118
	3. Conray Studies ..	10
Total No. of patients X-rayed during the year 1989. ..		83555
Total No. of X-ray films used during the year 1989.		151693

Investigations carried out for Orthopaedic work at Kasturba Hospital during the year 1989 is given below:

1.	Total No. of patients X-rayed during the year 1989	4797
2.	Total No. of X-ray films/plates used during the year 1989	15143

APPENDIX NO. : VIII
List Of Research Work

Doctor	Subject
	DEPARTMENT OF BIOCHEMISTRY
Smt. P.R.Chavan in collaboration with Dr. S.A.Desai, Prof. of Pharmacology, Dr. H.S. Dhawle. Prof. of Psychiatry.	Endocrinological studies in Schizophenia & Affective Disorders.
	DEPARTMENT OF DERMATOLOGY AND VENEREOLOGY.
	Gonococccal cultures & Antibiotic sensitivity.
	Fungal Cultures.
	Mucocutancous skin diseases.
	Pregnancy Dermatoses.
	ENDOCRINOLOGY DEPARTMENT.
	Karyotyping of peripheral lymphocytes and chromosomal studies in genetic disorders.
	HLA studies in insulin dependant diabetics.
	C-peptide valus in young disbetes.
	A study of long term complication like retinapathy and nephropathy in diabetics.
	Skin dicorders in diabetes mellitus.
	A study of oral lymphocyte migration in Diabetes.
	Study of peripheral nuropathies in Diabetes Meslitus.
	Evaluation of stunted growth.
	Fiturary tumous clinical and bornonal study corelation.
	Study of thyroid nodule.
	Clinical hormonal and therapatic corelation of hypagonadisms.
	Clinical evaluation, FNAC and thyroid antibodies in thyroid disorders in young famale.
	An evaluation of post operative hypothyroidism in goitore patients subjeted to surgery.
	Follow up to patients admnistered redioiodine for hyperthyroidis, hot nobule.
	Miscroalbuminurla in patients with Diabetic Mellitus.
	DEPARTMENT OF GENERAL SURGERY
Dr. M. K. Sanjana	To Study effect of nifedipine on post operative adhesions.
	Study of post operative infection.
Dr. P.P.Shilotri	Cryo Haemorrhoidectomy
	Dopper studies in peripheral vascular diseases including varicose vein & deep vein thrombosis.
	Role of Burida scan in the diagnosis of Acute Cholecystitis.
	Early Cholecystectomy in Acute Cholecystitis.
	Incidnce of hypothyroidian and recurrent larygdal nerve paley following Thyroidectomy.
Dr. M. V. Pal	Definitive surgery in Dodenal ulcer performation.
	Mairs hernioplasty.

Doctor	Subject
	PHYSIOLOGY DEPARTMENT
Dr. (Mrs.) V.G. Parulkar.	Guidance for following research work being carried out in the depatment.
Dr. (Mrs.) A. Malathi	Effect of various physiological parameters on Reaction Time. Resction Time studies in healthy & diabetic smokers & diabetic smokers & Non smokers. Reaction Time & G.S.R. studies in asthmetic patients - collaborative study with the department of Medicine. Reaction Time, G.S.R., temperature, Pulse, Respiratory Rate in Schizophrenics. Study of certain physiological parameters in medical students under exam. stress.
	DEPARTMENT OF PREVENTIVE & SOCIAL MEDICINE
Dr. V. A. Naik Dr. R. Y. Aras.	Profile of a dolescent Girls in Urban Slum Community - Community Study in Tulsi Wadi.
Dr. N. P. Pai Dr. D. D. Pandit Dr. V. A. Naik	Evaluation of Immunisation coverage at Cheetah Camp by 30 Cluster Sampling Method.
Dr. D.D. Pandit. Dr. N.. P. Pai	Morbidity & Mortality in childern below 5 years of age in B.Y.L. Nair Ch. Hospital (Retrospective Study.) Health Status of Women in reproductive age group - a ommunity study.
Dr. R. Y. Aras. Dr. N. P. Pai. Dr. (Smt.) J. D. Rege	Screening of women from lower socio-economic class for Ca Cervix.
Dr. G. D. Velhal Dr. S. K. Bichile Dr. N. P. Pai.	Efficiency of Oral Vs Parenteral Iron Therapy in Iron Deficiency Anaemia in relation to the complience of the patients.
	DEPARTMENT OF PNYSIOTHERAPY
	Blink reflexes. VO2 max in older age group and younger. age group.
	UROLOGY DEPARTMENT :
	Study of Urodynamic charnges in patients of stress urinary incontuence. Study of Renal Trauma in last 18 years. Study of G. U. T. B. Use of doppler in varicocele. Finished Research projects of - Cefuroxamine in UTI under research society, T.N.M.C.
	DEPARTMENT OF MEDICINE:
Dr.(Mrs.) K.D. Nihalani Dr. (Smt.) P. K. Varthskavi	Gemfibroil - Lipoprotein lowering effect.

Doctor	Subject
Dr. (Mrs.)A.J. Pal-dhungat.	Project on a 'Comparison of 3 bronchodilalators in pulmonary function tests in bronohial asthma.'
Dr. (Mrs.) D. V. Deshpande	Study on D.I.C. in Cirrhotic patients.
Dr. (Mrs.) D. V. Siqueira	Trail on 'Piroxicam'
	OBST. & GYNAEC. DEPARTMENT.
Dr. Rajiv M. Laul.	Perifimbrial swabs during disgnostic laparoscopy in cases of 'Acute Pelvic Inflammatory diseases'. To study the organisme involved. Study of Nefedepine as tocolytic agent in controlling premative onset of labour. Its comparision wih Isoxsuprime. Extraovular Pistocin aling with ethacridine lactate to reduce induction abortion interval comparative study of 20 units and 40 units of pitocin. Use of Labetolol Antihyperterure in preeclampsia and its comparision with methyldops. Case reports of vaginal septum leading to Haematomotra and Haemotocorpus and Turasr's moss as a cause of Primery Amenorrhee. Efficacy and complication of Cu-T used in Lactational Amenorrhas.
Dr. (Mrs.) S. A. Desai	Clinical trails of testiary butyl Isonitrate (TBI) as myocardial perfusion agents in MI and Angina Patients (In collaboration with BARC) Endocrine profile in certain mental disorders (collaborated with BRNS) Enalapril in hypertensions : an Angiotensivve profile in there paients.
	DEPARTMENT OF ORTHOPAEDICS :
Dr. V. J. Lahari.	Working on instability of upper cervical spine/different approaches. Refined a technique of C_1/C_2 instability/disease in cadavers and is now trying out on human beings.

APPENDIX NO. IX

List of publications and papers read:

Doctor	Subject	Particulars where published
	AUDIOLOGY AND SPEECH THERAPY, SCHOOL	
Shri R. K. Jagadeesh	Objective assessment of hearing assessment by BSERA	Invited takl at the Orientation Programme for General Practitioners - conducted by AYJ-NINN 28th Sept. 89.
Smt. S. O. Kapur	Speech and language discorders In children : Psychological Aspects.	Attended an E.N.T. and Speech Camp at Bidada (Kutchch) at Diagnostic and Rehabilitative Camp between 8-11th Nov., 90.
Shri. R. K. Jagadeesh	BSER for objective assessment of hearing sensitivity.	Invited talk at ERA Workshop conducted by K.E.M. Hospital, 29th Novermber 1989.

Doctor	Subject	Particulars where published
Shri R. K. Jagadeesh Smt. Varadkar		Attended the ERA Workshop Conference by K.E.M. Hosital on 29th & 30th November 1989.
Dr. Vaidyanathan Smt. Sanghi Smt. Kelkar		Participated at the Silver Jubilee National Seminor on Hindu Grammatical Thou and contemporary Linguistic Theories on 1st and 2nd December 1989 at the University of Bombay.
Mrs. S.O. Kapur		Invited as a Resource Person in a Seminor on "Play Therapy" conducte by SNDT University, Bombay, in December 1989.
		Contributed a chapter "Performance Tests of Intelligence with Special Reference to Speech and Hearing Patients" to a book prescribed by SNDT University.
	DEPARTMENT OF ANAESTHESIOLOGY.	
Dr. V. M. Divekar	Newer Muslce relaxants.	Annual Conference of Indian Association of Clinical Association of Clinical Pharmacologists & Anaesthesia Rescarch October 1989, Surat.
	Medical aspects in Intensive Care	International Conference on critically ill at New Delhi - Novermber 1989.
	New Inhalational agents.	XXXVIII Annual conference of Indian Soceity of Anaesthetists, Society of Anaesthetists, Manipal, Dec. 1989.
Dr. V. M. Divekar Dr. M. M. Bhatt	Clinical fourm on Foreign body in the bronchus in a Child.	XXXVIII Annual conference of Indian Society of Anaesthetists, Manipal, Dec. 1989.
Dr. V. H. Bhagatwala	Use of Vecuronium in short surgical procedures.	XXXVIII Annual conferece of Indian Society of Anaesthetists, Manipal, December 1989.
Dr. M. N. Gandhi	Muscle relaxants in Laparoscopies.	Annual conference of Indian Society of Anaesthetists, Mnipal Decemeber 1989.
Dr. V. M. Divekar.	Temporomandibular Ankylosis and Anaesthesia.	Guest lecuture - Indian Society of Anaesthetists, Goa Branch, Jan. 1989.
	Newer intravenous agents.	Guest lecture - Pune, February 22nd 1989.
Dr. V. M. Divekar Dr. V. H. Bhagatwala Dr. M. N. Gandhi		Symposium on Vecuroaium - I. S. A. Bombay 9th March 1989.
Dr. V. M. Divekar	Renal Failure Monitoring in the Critically ill.	National Conference on Critically ill, 24th Nov., Bombay.

Doctor	Subject	Particulars where published
Dr. I. D. Panchal.	Design a choice of ventilator in a symposium on 'Respiratory services in critical care area'.	In first National conference on integrated care of critically ill November 1989, Bombay.
	Comperison of epidural pentazocine for post operative pain relief.	Fifth Annual confernce on Pain - Delhi in February 1989.
Dr. I. D. Panchal.		Attended 28th Annual meeting of National Academy of Medical Sciencs at Calcutta on Jan. 1989.
	BIOCHEMISTRY DEPARTMENT.	
Dr. Haldankar.		Member of Scienctific Committee & Joint Coordinator of Transport Committee.
Prof. M. A. Shaikh.		Member of Accomodation Committe.
Smt. P. R. Chavan,		Member of catering committee,
Dr. (Miss) Alka N. Vartak		Member of Reception Committee & Catering Committee, during XVIth Annual National Conference of association of Clinical Biochemists of India held At G. S. Medical College from 17th Feb. to 20th Feb. 1990.
Dr. (Mrs.) Haldankar Dr. (Mrs.) A. V. Nerurkar.	Study of circulating immune complexes in Hodgkin's Diseases.	XVIth Annual National conference of Association of Clinical Biochemists of India, held at G.S. Medical College from 17th Feb. to 20th Feb. 1990.
Dr. (Mrs.) V. A. Haldankar		Attended a symposium on "Clinical Nutrition" on 17th Sept. 89, organised by Medicine Dept. of G.S.M.C. at G.S. Medical College and Participated in International Sympostun on "Clinical Nutrition" from 30th Sept. to 2nd Oct. 89 at G. S. Medical College, Bombay.
	Biochemical aspects of fresh and Banked milk.	Invited to deliver a talk at L.T.M.M.C. in a symposium on "Breast Milk Baking" organised on 8th Sept. 1989.
Prof. M. A. Shaikh		Attended a one day symposium on 4.2.90 at Bombay conduected by Association of clinical Biochemists of India (Bombay Chapter).
Dr. (Mrs.) V. A. Haldankar.		Attended a two weeks workshop on ELISA Technique in Reproductive Medicine at IRR, Bombay, in May 89.
	Biochemical aspects of Banked Milk.	Invited as a speaker in International workshop on "Breast Milk Banking Developing Countries" organised at L.T.M. Medical College in Nov. 89. This was Proceedings of the workshop.

DEPATMENT OF CARDIOLOGY :

Doctor	Subject	Particulars where published
Dr. Y. S. Loya Dr. S. Sharma Dr. D. N. Amrapurkar Dr. H. G. Desai	Complete membranous obstruction of inferior vena cava; as a case treated by balloon dilatation catheter.	Cardiovasc. Diagn. 17, 164-167 : 1989.
Dr. R. C. Hansoti Dr. S. Sharma.	Cirrhosis of liver simulating congenital cyanotic heart disease.	Chest 96, 843-848 : 1989.
Dr. Y. S. Loya Dr. B. V. Daxini Dr. A. G. Desia Dr. S. Sharma	Anatomically corrocted salposition of the great arteries : a rere case with absence of a complete subarterial mascular infundibulum.	Int. J. Cardiol (In press)
Dr. B. V. Daxini Dr. J. V. Mandke Dr. S. Sharma	Echocardiographic recogition of submitral left ventricular and left atrial aneurysm of tuberculous etiology.	An Heart J. (In press).
Dr. S. Sharma Dr. A. Vaccharajani Dr. J. Mandke	Severe pulmonary hypertension in rheumatoid arthritis.	Int. J. Cardiol, Feb. 1990.
Dr. S. Sharma Dr. Y. S Loya Dr. B. V. Daxini	Combined mitral & tricuspid balloon valvotomy using double balloon technique in a patient with rheumatic multivalvar diseases.	C. V. World Report (Submitted.)
Dr. B. V. Daxini, Dr. A. G. Desai Dr. S. Sharma	Echoloppler diagnosis of sortocaval fistula following blunt trauma to abdomen.	An Heart J 118, 843-844, 1989
Dr. Y. S. Loya Dr. S. Sharma	Mitral Valve repture during sortic balloon dilatation - an avoidable complication.	(Letter to Editor)
	Cath. and Cardiovase diagnosis.	(In press)
Dr. S. Sharma Dr. B. Balaney Dr. J. V. Mandke	Cardiac tamponade as a presentation of mucoapidermoid bronchogenic carcinoma.	J. Asso. Phys. India 37, 183-185, 1989.

Doctor	Subject	Particulars where published
Dr. Y. S. Loya Dr. S. Sharma	Balloon Mitral valvotomy - a new technique.	J. Asso. Phys. India, 37, 399-492 : 1989
Dr. Y. S. Loya Dr. S. Sharma Dr. M. R. Mashru Dr. R. B. Patil Dr. Mandke Dr. A. G. Desai Dr. J. N. Karbhase.	Isolated tricuspid stenosis - a case of report with review of literature.	Indian Heart J 41, 270-273 1989.
Dr. S. Sharma	Non comonery balloon intervention.	Post graduate clinics of APICON 1990, ed Pahal Jani DB, Paged 10 to 15, 1990.
Dr. S. Sharma Dr. J. D. Desai Dr. Y. S. Loya	Percutaneous acrtic balloon valvotomy using single of double balloon technique.	JAPI (In press).
Dr. P. K. Varthankavi Dr. D. R. Turakhia Dr. S. Sharma Dr. D. S. Salgaonkar Dr. K. D. Nihaleni Dr. V. R. Joshi	Gemfirboxil in hyperlipidaemia	An open single blind trail JAPI 38, 133-137, 1989.
Dr. A. R. Bhagwat Dr. S. Sharma	Valsalva Mancourer.	JAPI (In press).
Dr. S. Sharma Dr. Y. S. Loya Dr. J. V. Mandke	Pulmonary valve docarditis in congenital cardiac malformation.	3rd World Congress of Paediatric Cardilogy, Thailand, Bangkok, 1989 F-113, Page 35 (Abstract).
Dr. S. Sharma Dr. Y. S. Loya Dr. B. V. Daxini	Early & late results of balloon valvotomy in patients with late stage of severe pulmonary valvar stenosis (PVS).	3rd World Congress of Paediatric Cardiology, Thailand, Bangkok, 1989 F 115, Page 45 (Abstract).
Dr. S. Sharma Dr. Y. S. Loya Dr. B. V. Daxini	Non ischemic left ventricular aneurysm in children.	3rd World Congress of Paedietric Cardiology, Thailand, Bangkok, 1989 F 114 P 31 Page 168 (Abstract).
Dr. Sharma Dr. Y. S. Loya Dr. B. V. Dixini	Double balloon technique for dilatation of congenital and acquired valvar stenosis.	Joint Annual Confernce of Cardilogical Soceity of India (CSI) and Association of Thoracic Surgeons of India (TSI) Madras, 1989 (Abstracts) Indian heart J 41, 382-383, 1989.
Dr. Y. S. Loya Dr. J. H. Desai Dr. S. Sharma	Percutansous balloon membranotomy in complete obstruction of IVC (Budd Chiari Syndrome).	Joint Annual Conference of Cardilogical Society of India (CSI) and Association of Thoracic surgeons of India (CSI), Madras, 1989 (Abstracts) Indian Heart J 41, 426 - 427, 1989.

Doctor	Subject	Particulars where published
Dr. S. Sharma Dr. Y. S. Loya Dr. J. H. Desai Dr. G. S. Bhat Dr. C. V. Shah	Restenosis after PICA : Do we rely on stress test?	Joint Annual Conference of Cardiological of India (CSI) and Association of Thoracic surgeons of India (TSI), Madras, 1989 (Abstracts), Indian Heart J 41, 433-434, 1989.
Dr. A. R. Bhagwat Dr. Y. S. Loya Dr. B. V. Daxini Dr. S. Sharma	Early and followup (6 months 2 years) result of balloon dilatation in discrete subaortic membrane.	Joint Annual Conference of Cardilogical Society of India (CSI) and Association of Thoracic Surgeons of India (TSI) Madras, 1989 (Abstracts) Indian Heart J 41, 383-384, 1989.
Dr. Y. S. Loya Dr. A. R. Bhagwat Dr. S. Sharma	Balloon mitral valvotomy (BMV) : Improvement in safety and efficacy by using new pigtail balloons.	Joint Annual Confernce of Cardiological Society of India (CSI) and Association of Thoracic Surgeons of India (TSI), Madras 1989 (Abstracts), Indian Heat J. 41, 386 : 1989.
Dr. S. Sharma Dr. Y. S. Loya Dr. B. V. Daxini	Percutaneous transluminal peripheral atherectomy : A new technique.	Joint Annual Conference of Cardiological Society of India (CSI) and Association of Thoracic Surgeons of India (TSI) Madras 1989 (Abstrects) Indian Heart J. 41, 422 : 1989.
Dr. Y. S. Loya Dr. B. V. Daxini Dr. A. R. Bhagwat Dr. S. Sharma	Balloon Mitral valvotomy (BMV) : Experience with double balloon technique.	45th Annual Conference of Association of Physician of India (API), Jabalpur 1990, JAPI 39, 61 : 1990.
Dr. S. Sharma Dr. Y. S. Loya Dr. A. R. Bhagwat Dr. S. L. Soneji.	Balloon angioplasty (BA) for treatment of coarctation of Acrta (COA) : Early 1990, JAPI 38, 60 : 1990 and followup results.	45th Annual Conference of Association of Physicians of India (API). Jabalpur, 1990, JAPI 38, 60 : 1990.
Dr. Y. S. Loya Dr. S. Sharma	Coranary angiographic profile of patients with True Posterior wall infarction (TPI).	45th Annual Confernece of Association of Physicians of Physicians of India (API Jabalpur, 1990, JAPI 38, 38 : 1990.
Dr. K. D. Shah	Carotid Sinus message - Technique and unitity.	J of Gen. Med. 2 : 53, 1989.
	Colour doppler & ECG correction prolonged PA Interval in nortic regurgitation	
	Usefulness of schocardiography in complications of infective endocarditis.	

Doctor	Subject	Particulars where published
Dr. S. Sharma		Visited Clevoland Clinic, Clevaland U. S. A. as international scholar (May-June 1989) and during this period got advanced training in coronary agnioplasty and stherectomy techniques. He delivered lectures on practice of Cardiology in India.
Dr. S. Sharma		Appointed as Vice President, Indo-American update on Cardiology and advancced echocardiography, Bombay, India, Dec. 1989.
	Peripheral and coronary atherectomy.	elivered a guest lecture during the Annual Cardiological Society of India meeting in Madras, Dec. 1989.
	DEPARTMENT OF DERMATOLOGY & VENERECLOGY :	
	Alagille Syndrome Alapecia Areata Xanthomatosis.	
	ENDOCRINOLOGY DEPARTMENT:	
Dr. (Mrs.) K. D. Nihalani		Attended API conferfnece in Jabalpur. Chaired various sessions.
		Taken lectures for the arranged by DAI for physicians and patients.
		Arranged a Seminor on 'Diabetes Mollitus' inaugurated by Shri A. B, Madhuskar. This Seminar was well attended.
	Nervs conduction velocities in Diabetes Mellitus.	At the API Conference in Jabalpur.
	Psychosocial aspects in Juvenile Diabetes.	DAI October 1989.
	An open single blind trail of genefibrozil in hyperlipidaemis	JAPI, Feb. 1989.
	Amylotrophy in yound Indian diabetics.	JAPI, March 1990.
Dr. (Mrs.) K. D. Nihalani	C-Peptide studies in yound diabetion.	Presented in A.C.B.I.
	Perioperative complications of pituitary surgery.	Gave a talk in a seminor 'Endocrine conference on critical care medicine.
	Medical Acute Care Unit.	Paper.
		Arranged a update session on AIDS for Medical & Nursing personnel.

Doctor	Subject	Particulars where published
		Attended seminors on Hospital Administration, Departmental Enquiries, Thyroid Diseases.
		Organised Patient education programme in Diabetes O.P.D.
Dr. S. D. Mehtalia.	Controversies on Diabetic complications.	Talk - API Jabalpur.
		Arronged, particlpated & attonded a seminor or Diabetes.
Dr. P. K. Varthakavi		Attended API Confernece in Jabalpur.
	Investigations in a yound diabetic hypertensive patient with prognancy.	Participated & Spoke in a clinical seminor
		Helped to arrange and attended a seminar on Dibbotes Mellitus at Nair Ch. Hospital.
	Nerve conduction velocities in Diabetes Mellitus.	Presented at the API Conference in Jabalpur.
	Psychosocial aspects in juvenilo disbertes.	Published in DAI October 1989.
Dr. P. K. Vartakavi	An open single blind trail of genefibrozil in gytperlipidaomia.	Published in JAPI, Feb. 1990.
	Amyletrophy in yound Indian diabetics.	Published in JAPI, March 1990.
	C-peptide studies in young diabetics.	Presented in ACBI.
Dr. K. L. Patel.		Attended XV Annual conference of ACBI - 24-27 April 1989, at Jammur.
	Serum C-peptide levels in young Indian diabetics.	Presented in XV Annual Conference of ACBI, 24-27 April 1989, at Jamnur.
		Chaired session of 'Hormones & reproductive Biology'.
		Attended XVI Annual conference of ACBI, 17-20 Feb. 1990 at Bombay.
		Session Incharge : Sitadevi Award papers & Miscollaneous Scientifi paper.
		Attended monthly scientific meetings of ACBI, Bombay chapter at different institutions.
		Executive member of ACBI - Bombay Chapter.

Doctor	Subject	Particulars where published
	Hypothyroidian in children/Adolsconts.	Clinical & Hormons profile JAPI 37(9) : 566-569, 1989.
		Arranged & attended Disbetes Seminar which was held in Dec.
Dr. P. C. Merchant.	Circulating spern antibodies in male infertility.	Annual conference of ACBI Jammu, 24-27, April 1989.
Dr. P. C. Merchant.	Klinefolter Syndrome : An Immunologic disorder.	Andrologia, 21.476.1989.
	Hypothyroidism in children/Adolescants clinical & Hormonal profiles.	JAPI 37, 566, 1989.
		Arranged & attended Disbetes Seminar.
	E. N. T. DEPARTMENT.	
Dr. D. S. Grewal	Complications of Tubercular Otitis Media.	42nd Annual Conference of the Association of Otolaryngoligists of India Held at Pune 5 to 8th January 1990.
Dr. N. L. Hiranandani	Hemifacial Smasm.	42nd Annual Conference of the Association of Otolaryngologists of India Held at Pune 5 to 8th January 1990. Chaired a session.
Dr. (Mrs.) J. P. Dabholkar.	Foreign Bodies in Aerodigstive tract.	42nd Annual Conference of the Association of Otolaryagologists of India hold at Pune. 5 to 8th Jahuary 1990.
Dr. B. Baser.	Mangement of Saddle Nose defornity in atrophic thinitis.	42nd Annual Confernce of the Association of Otolaryngologists of India held at Pune 5 to 8th January 1990.
Dr. Rekha Lalwani.	Role of cefrutoxime in acute E.N.T. infections.	42nd Annual Conference of the Association of Otolaryngologists of India hold at Pune 3 to 8th January 1990.
Dr. D. S. Grewal.		Attended the N. E. S. meeting at Bombay and Chairman of Session.
Dr. N. L. Hiranandeni		Attended the N. E. S. meeting at Bombay and Chairman of Session.
Dr. (Mrs.) J. P. Dabholkar		Attended the N. E. S. meeting at Bombay and Reception committee member.
Dr. Rakha Lalwani.	E. N. G. Chanses after stapedectomy.	N. E. S. Meeting at Bombay.
Dr. N. L. Hiranandani.		Attended the Maharashtra Annual E. N. T. Conference at Sholapur and Chairman of session.
Dr. B. Baser.	Aesthetic Rhinoplasty current trends.	Meharashtra Annual E. N. T. Conference at Sholapur.

Doctor	Subject	Particulars where published
Dr. Sulbha Pathare.	Tracheooesophageal puncture technique problems and solutions.	Maharashtra Annual E. N. T. Conference at Sholapur.
Dr. (Mrs.) J. P. Dabholkar.		Attended the Head and Neck Surgery Workshop at Nanavati Hospital.
Dr. B. Baser.	Tip defornitles and nasal obstruction.	Annual Conference of "Rhinological Soceity of India held in Pune 4th January 1990.
Dr. N. L. Hiranandani		Invited as guest speaker at the Microsurgery of Ear Course at K.E.M. Hospital.
Dr. D. S. Grewal.		Elected as a Vice Prosident of Association of Otolaryngologist of India, Bombay Branch for the year 1989-90.
Dr. B. Baser		E;ected as a Vice President of Association of Otolryngologist of India, Bombay Branch for the year 1989-90.
Dr. D. S. Grewal.	Round window reflex & Oval window fistulac.	Journal of "Laryngology and Otology" (U. K.) June 1989.
Dr. B. Baser Dr. D. S. Grewal Dr. N. L. Hiranandani	External Rhinoplasty In Tropics.	Journal of Laryngology in Otology (U. K.) December.
Dr. B. Baser. Dr. K. A. Pradhan	Caldwell luck operation without facial swelling.	Auris Nasus Laryay (Tokyo) January.
Dr. Vijay Jadhav.		Participated in E.N.T. Comp at Bidra (Gujrat).
Dr. J. P. Dabholkar.		Conducted a camp at Dilkhush Special School for mentally retard children at Juhu in which 125 handicap children were examined and medical help was given.
	GASTROENTEROLOGY DEPARTMENT :	
	Campylobactor Pyliri : A new Era in Gastroduodenal Disorders.	JAPI 1990.
	Scleresing cholangitis : A review.	Jaslok Hospital Bulletin, 1989.
	Effectivenass of combination of spironolactonse and Furosemide in cirrhosis of liver with ascites.	Indian Prectitioner 1989.
	Esophageal dyamotility.	Jaslok Bulleting, 1989.
	The stomach in iron deficiency amemia.	Editorial Indian J. Gastroenterology 1989.

Doctor	Subject	Particulars where published
	Drug induced hepatic injury.	Update in Medicine. Book 1989.
	Pulmonary AV fistula following shunt surgery in a case of NCPF.	JAPI 1989.
	Successful dilatation of IVC Membrane.	Cath. & Cardiovsscular diagnosis 1989.
	DEPARTMENT OF GENERAL SURGERY :	
Dr. A. K. Gvalani	Role of Serosal patch in Intestinal fistulae.	Confernce on CRITICAL CARE at L.T.M.G. Hospital & L.T.M.M. College, Sion.
Dr. K. B. Kapadia Dr. R. R. Satoskar Dr. A. E. Modi Dr. P. P. Prabhudesai.	Difficulties in diagnosis and treatment of Megaoesophagus.	Journal of Post Graduate Medicine, 1989, 35(13) 180-182.
	DEPARTMENT OF HAEMATOLOGY :	
Dr. S. K. Bichile	Treatment of Chronic Myeloid Leukemia.	Talk in the CME Programme of API at Calcutta, January 1989.
	Investigation in Myolodisplastic Syndrome.	CHE Programme of API at Calcutta, January 1989.
	Immunological parameters in rhematoid arthritia.	CME Programme o API at Calcutta, January 1989.
		Chair Sessions in Annual Confernce on National Council of Hypertension.
		Participated in a seminar on CML organised by Bombay Haematology Group.
	Current Trends in Blood Transfusion.	Delivered a lecture at Civil Hospital, Nasik.
	Approach to anamia.	Delivered talked on at Shrirampur Medical Association.
	AIDS	Dalivered talked at Shrirampur Medical Association.
	AIDS	Delivered a talk at Praveranagar Medical College.
		Delivered "Nanasaheb Deshpande" oration on 'Thalassaemia' at Dombivli organised by Swami Samart Seva Mandal.
Dr. S. K. Bichile	AIDS	Delivered a talk at Marathwade Physicians Annual Conference at Nanded.
	Clinical Aspects of HIV Infection.	Talk at Kolhapur Branch of Indian Medical Association.

Doctor	Subject	Particulars where published
		Attended a CME course on "Effective Medical Communication" Jaslok Hospital by Dr. Stephen Lock, Editor of British Medical Journal.
	AIDS	Talk at Shastrakalavedi Bombay at 101 st C. V. Raman Brith Day Annversory.
		Organised a symposium on behalf of staff society, T. N. Medical College on "Current Practices in Transfusion Medicine."
Dr. N. B. Mehta		Participated in monthly clinical meetings organised by Bombay Haematology Group at various institutions.
	Iron Stores in B Thalassemia.	Annual Conference of Bombay Haematology Group.
	A Study of 435 cases of Leukemia.	Abstract - Annual Conference of Indian Society of Haematology and Blood Transfusion at Berhampur.
	Observations in experimental DIC in Rabbits.	Abstract - Annual Conference of Indian Society of Haematology and Blood Transfusion at Berhampur.
	Coagulation parameters in 132 cases of Parenchymal Liver diseases.	Abstract - Annual onference of Indian Society of Heamatology and Blood Transfusion at Berhapur.
	Plasminogen and antithrombin III in parenchymal liver disorders with DIC.	Abstract - Annual Confernce of Indian Society of Haematology and Blood Transfusion at Berhampur.
Dr. N. B. Mehta	Platelet changes in Chronic Myeloid Leukemia.	Annual Conference of Association of Clinical Biochemist of India at Jammu in April 1989 as State Representative, delegate and presanted a scientific paper.
	Morphelogical and functional study of platelets in liver dissases.	Annual Conference of Indian Society of Haematology and Blood Transfusion at Berhampur.
		Invited for thalassaemia detection drive at Kandivali, organised by 'Soni' Community.
		Participated in Six Scientific Programme organised by ACBI, Bombay Chapter at different Institutions during this year. One programme was arranged in our institution under her organisagion where Dr. Kanagshapati, Prof. of Biochemistry from Valore was invited to give a talk on Instrumentation.

Doctor	Subject	Particulars where published
		Active participation in the project on 'AIDS'
		Attended workshop organised by ACBI at P.D. Hinduja National Hospital & Medical Research Centre on "Presnalytical errors in Clinical Biochomistry."
		Attended Computer training course organised by Nair Golden Jubilee Research Foundation.
Dr. P. R. Pangam.		Attended the Bombay Haematology Group Conference in Feb. 89.
Mrs. Smita Tilaye		Attended 'Haemophilia' Workshop held at K.E.M. Hospital, Haematology Department in Feb. 89.
	DEPARTMENT OF ORTHOPARDICS :	
Dr. C. A. Talwalkar		Attended Autumn Conference of British Orthopaedic Association in September 1989.
	A new technique in internal fixation.	Clinical meeting of 'Bombay Orthopaedic Soceity' at Nair Hosp. & Silver Jubillee Conference of Orthopaedic Society, Bombay.
	Hardtop/Bipolar total hip prosthesis which is indigenously manufactured to safisfy needs of average Indian Patients.	C.M.E. conducted at Nair Hospital. &
Dr. D. D. Tanna.		Visited Sinapore/Nongkong & U.S.A. & attended 'American Academy' Autumn Conference.
	Two papers on New Methods of Internal Fixation.	Annual Confernce of Indian Orthopaedics at Ahemedabad.
		Organised C.M.E. Symposium at Nair Hosp. on Bio-mechanics & presented his experiences and cases of clinical interests at Bilver interests at Bilver Jubillee meeting.
	Rechards Compression Screw Technique for unstable fracture of Proximal femur neck.	Bombay Orthopaedic Society.
		Participated in B.P.L.I.Y. meeting in Goa and presented his experience.
Dr. V. J. Lahari.		Invited P.L.I.P. conference at Goa to present his experiences to International audiences.

Doctor	Subject	Particulars where published
Dr. C. A. Talwalker.		Visited University of Liverpool and Royal College of Surgeons to organize arrangements of 'Overseas Doctors Training Scheme' for 1990-91 programme.
Dr. V. J. Laheri		Invited by different teaching hospitols to demonstrate his technique of management of disorders of unstable spine.
	DEPARTMENT OF CBST. & GYNAEC :	
Dr. M. Y. Raval.		Attended Ultrasonography workshop and Asian congress at Madras.
		Attended IIIrd Maharashtra state Obstetrics & Gynaecology Conference at sholapur.
		Attended Gujrat State Obst. & Gynsec. Conference.
		Attended IIIrd Karnataka State OBHYN Congress.
		Attended Congress at Jamshedpur & Patna.
		Attended Fourth Maharashtra Obst. & Gynace. conference at Amravati.
		Attended 17th Bombay Obst. & Gynaec. conference.
		32nd All India conference on Laparoscopy at Jamshedpur.
Dr. A. R. Dalal Dr. A. N. Nayak	Extra Omnictic Installation of pitocin with ethacridine lectate for termination of second trimester prognency.	August 89.
Dr. M. Y. Raval Dr. A. R. Dalal Dr. U. J. Thanawala.	Konwledge, use and attitudes towards family planning.	June 89.
		Contributed a chapter on Ultrasound in Obst. & Gynaec. in test book, of Dr. G. S. Dawan.
Dr. Rajiv M. Laul.		Attended FOGSI confernce
		Attended Serinatology conference at K.E.M. Hosp.
		Attended male as well as female infertility workshops and recent advances.
		Attended Annual confarence of Bombay Obst. & Hynaec. Society.
		Attended Lectures organised by BOGS.

Doctor	Subject	Particulars where published
	DEPARTMENT OF OPHTHALMOLOGY :	
DR. (Mrs.) G. Murthy	Lasers.	Lectures delivered at M.C.H. Nagpur.
	Glaucomn.	Lectures delivered at Pune.
	Conton.	Lectures delivered at Goa.
		All India Ophth. Soc. conference 4th at Madras.
		1st West Zone Conference at Goa.
		9th Mah Ophth. Society Conference at Madgaon.
		Participated symposiums '& saminor on Ocular Pathology at Madras.
		Participated Vitrecretinal eymposium at Bombay.
		Participated seminor on Uveitis at Bombay.
		Participated symposium on Hndocrine in rolation to eye disesses, exchiding dimbetis at Bombay.
		Participated seminar on Taxation & investists at Bombay.
Dr. (Mrs.) G. Murthy.		Particlpated in Laser Workshop at Miraj.
		Invited as MPSC subject expert for Ophthalmology.
Dr. K. B. Kulkarni.		Attended symposium on Uveitis at Jaslok Hosp. arranged by B.C.A.
		Attended symposium of Vitreous surgery at Bombay Hospital arranged by B.C.A.
	DEPARTMENT OF MEDICINE :	
Dr. (Mrs.) K.D. Nihalani Dr. (Smt.) P. K. Varthakavi.	Comfibrosil ; Lipoprotein lowering effect.	Journal of Associstion of Physitians of India.
Dr. (Mrs.) A. J. Pai-dhungat.	Comparison of 3 bronchodilators in pumonary function tests in bronchial asthma.	Antiseptic Journal in October 1989.
Dr. (Mrs.) K. D. Nihalani.	Autonomic Neuropathy.	Diabetic symposium held at Calcutta. She was also appointed as a judge to select best poster.
		Participated in symposium of endocrinal emergencies in critical cars in the 1st National Conference for Integrated care of Critically ill held at Sion Hospital, Bombay.

Doctor	Subject	Particulars where published
Dr. (Mrs.) A. J. Pai-dhungat.	Metabclic changes in exercise induced asthma	International Conference on Asthma hold at Bombay.
	Expercise inducted asthma - role of glucose & platelets.	A.P.I. Confernce held at Calcutta.
	A correlative study of severity of bronchosplasm with immunoglobulins and meidators of allergy.	Conference hold & Hyderabed.
Dr. (Mrs.) K. D. Nihalani.		Secretary of Disbetic Association of India.
Dr. (Mrs.) A. J. Pai-dhungat.		Joint Secretary of the Staff Society of the B.Y.L. Nair Ch. Hospital, Bombay.
Dr. (Mrs.) D. V. Deshpande.		Joint Secretary of the Research Society of the B.Y.L. Nair Ch. Hospital, Bombay.
Dr. (Mrs.) K. D. Nihalani.		Organised a workshop on Diabetes in Dec. 1989.
Dr. (Mrs.) A. J. Pai-dhungat.		Conducted the D. M. entrance examinition in February 1989.
Dr. K. D. Nihalani Dr. R. D. Siqueira. Dr. S. T. Nabar.		AIDS : education programme for paramedical staff was conducted along with the Microbiology Dept. of Hospital.
Dr. (Mrs.) A. J. Pai-dhungat.		Participated in the teachers training programme in Chandigath in March 1989.
	ASTHMA & OBSTRUCTIVE AIRWAY DISEASES :	
Dr. (Mrs) A. J. Pai-dhungat.	Comparison of pulmonary function tests after oral administration of bronchidilators.	October 1989 in 'Antiseptic Journal.'
Dr. S. T. Nabar.	Blood Recalcification Time in Bronchial Asthma - effect of an in haled bronchodilator.	Association of Physicians of India Conference in Jan. 90.
Dr. (Mrs.) A. J. Pai-dhungat.	Proceedings of the Asthma.	Symposium held in Oct. 1988 through the sponsorship of N.G.J.R.F. and A.C.C.P. in March 89.
Dr. S. T. Nabar.	Role of intensive respiratory case in neurological disorders with reversible respiratory failure.	At the Critical Care Conference.

Doctor	Subject	Particulars where published
Dr. (Mrs.) R. D. Siqueira	Emergencies in rheumatology practice.	1st National Conference for Integrated Care of Critically Ill hold at Sion Hospital.
Dr. (Mrs.) P. K. Varthakavl.	Long term observation of Gemfibrozil Tharapy.	A.P.I. conference held at Calcutta.
Dr. (Smt.) C. J. Rodriques.	Predicting the outcome of acute CVA a prognostic score.	1st National Conference on Integrated Care for Critically Ill held at Sion Hospital, Bombay.
Dr. (Mrs.) V. D. Thakur.	M.A.C.U. - 10 years experience.	1st National Ocafernce of Integrated Care of Critically Ill held at Sion Hospital, Bombay.
Dr. (Mrs.) K. D. Nihalani.		Contributed & chapters in A.P.I. Text Book of Medicine which is Under publication.
Dr. (Mrs.) D. V. Dishpande.	Effect of different treatment regimes on mortality & morbidity of Meningococcal Meningitis.	1st National Confernce of Integrated Care for the Critically Ill held at Sion Hospital, Bombay in Nov. 1989.
	Comparison of testsoof Autonomic Nervous system in 50 young adults.	XXXXV Joint Annual A.P.I. conference held at Jabalpur in Jan. 90.
	Mematological tests as markers of prognosis in patients with Hepatic Encephalopathy and Problems in clinical management o Infectious Deseases.	Symposia on Nepatic Encephalopathy and Infection.
Dr. S. T. Nabar	Study of Chlorine gas victims in Bombay, in Bombay, in occupational diseases.	Journal of England.
Dr. (Mrs.) A. J. Pai-dhungat.	Bronchial Asthma titled 'S correlative study of secret of bronchospa with immunoglobuline & mediators of Allorgy'	At the IX N. C. R. D. Hyderabed in Dec. 1989. She also chaired a session of free paper presentation.
	Exercise induced asthma.	A.P.I. & International Asthma Conference.
	RHEUMATOLOGY CLINIC :	
Dr. (Mrs.) R. D. Suqueirs.	Emergenoies in Rheumatology.	At the 1st National conference of Integrated care of critically Ill held in Nov. 1989 at the Sion Hospital.
	DEPARTMENT OF PLASTIC SURGERY:	
Dr. Narendra Pandya	Education Mammaplasty with a single superiorly based periols.	24th National Confernce of A.P.S.I. - Baroda.

Doctor	Subject	Particulars where published
Dr. Vinod Tamrakar.	Epispadias Cripple New method of repair	A case report - 24th National conference of A.P.S.I. at Varanasi.
Dr. Narendra Pandya	Suction Assisted Lipestomy and Tissue Expanders.	26th Annual Conference of A.S.I. at Varanasi
	PHYSIOLOGY DEPARTMENT:	
Dr. (Mrs.) A. Malathi Dr. (Mrs.) V. G. Parulkar.	Effect of Yogasanas on Reaction Time.	Indian J. Physiol Pharmac. Vol. 33, No. 2, April - June 1989.
	Reaction Time Studies in hemiplegia.	Ind. J. Post graduate medicine July 1989, Vol. XXXV, No. 3.
Dr. A. M. Phatak Dr. J. V. Mandke Dr. R. M. Udani Dr. J. M. Vora, Dr. A. B. Mathure	Pulmonary Blastoma	Lung India (1989) VII No. 3, P - 137 - 139, Aug. 1989.
	DEPARTMENT OF PSYCHIARTY:	
Dr. Sudeep Chakravarty	Cancer and Paychiatry.	At the Annual Indian Psychiatry Society (West Zone Conf.) at Janagarh in Sept. 88. Won the best paper award.
Dr. H. S. Dhavale.	School Mental Health Clinic - 10 years experience.	Paper read at the World Paychiatry Conference at Athens (Greece).
	Substance abuse pattern in India.	Paper read at the World Psychistry Conference at Athens (Greece).
Dr. Charles Pinto Smt. Mathuri Joshi.	Trasadon - C 3rd generation antidepressant.	Journal of clinical Pharmacology and Therspetics - 1989.
Miss Meera V. Shah Dr. H. S. Dhavale.	Wives of Drug Addics.	Journal of Community Psychistry 1989.
Dr. Ajit Nerurkar. Dr. A. P. Patkar. Dr. H. S. Dhavale.	Study of Psychological espects of Insulin dependent diabetes.	Diabetes Journal 1989.
Dr. S. S. Mahatme. Dr. H. S. Dhavale Dr. A. P. Patkar.	Study of correlation of Intensity of symptoms with stresofal life events in depressed patients.	
	DEPARTMENT OF PAEDIATRICS :	
Dr. V. P. Dandge.		National Teachers Training Centre PGIMER, Chandigarh's Two weeks course on Educational Sciences. - from 6th to 15th Sept. 1989. W. H. O. Symposim on 'Enfections of Nervous System' at NIWHANS Bengalore, 21st to 23rd July 1989.

Doctor	Subject	Particulars where published
Dr. V. P. Dandge.	Efficacy of C. T. Scan in C.N.S. Tuberculosis.	At 26th National Confernce of Indian Academy of Paediatrics held at Agra - 12th to 15th Oct. 1989. Attended 1st National Confernce on Integrated Care of Critically ill from 24th to 26th Nov. 1989 at L.T.M.M. College & Sion Hospital, Bombay. Invited as Expert to Assist the Maharashtra Public Service Commission in selecting lecturers in Paediatries at Govt. Medical College. Attending Training Course on departmental Enquiry conducted by Civic Training Institute & Research Centre from 6.12.89. Invited to act as Inspector by University of Bombay for Post Graduste Recognistion inspection of Cooper Hosp. & Holi Family Hosp. Bombay.
Dr. R. N. Udani.		Attended Workshop on development of competence based curriculum in MCH & FW in Grauate Medical Education Hyderabad from 4th to 7th Oct. 1989. Attended International Workshop on Breast Milk Benking for developing countries on 27.11.89 & 28.11.89 organised by Dept. of Pead L.T.M.G. Hospital, Bombay. Attended International Workshop on recent advances in human lactation and breast feeding management Devlali 29.11.89 to 3.12.89 organised by LTMC Bombay & association for consumors action on safety & Health, KAP.
Dr. R. M. Udani.		Attended Computer training for Medical auditing & its application for medical managament and research course for 12 wks. Saturdays 1 p. m. to 4 p. m. organised by NGJRF, Bombay.
Dr. R. U. Udani Dr. Sunit Godambe Dr. Bharat Nandgaokar Dr. Anju Gupta Dr. Alka Shah.	Neonatal outcome following meconeum atained liquour Amni.	At XXVIth National Conference of IAP in 1989, Agra.
Dr. M. Dixit Dr. S. M. Joshi Dr. V. P. Dandge. Dr. P. M. Pai Dr. R. N. Udani	Diagnostic officacy of C. T. Scan in C.N.S.T.B.	At XXVIth National Confernce of IAP in 1989, Agra.

Doctor	Subject	Particulars where published
	Impact of conservative care in Newbora nursey.	At Staff Society TMMC, Bombay.
Dr. R. N. Udani. Dr. P. Parik Dr. P. M. Pai Dr. K. V. Chaubal	Radio diagnosis.	Journalof applied Medicine, 15 - P 73-74, 1989.
Dr. A. M. Phatak Dr. J. V. Mandke Dr. R. H. Udani Dr. J. M. Vora Dr. A. B. Mathure	Pulmonary Blastoms.	Lung India VII : 137 - 139, 1989.
Dr. J. R. Kamat Co-author.	Rheumatic fever continues its challange.	At 26th National IAP Conf. Agra.
	Patterns & effect of Rh. fever recurrences.	At 26th National IAP conference, Agra.
	Rh. fever & continuing challange.	Reatst KEM Staff Society Meeting in Dec. 1989.
	A.G.N. Typical & variable presentation.	Indian Paedistrics.
Dr. J. R. Kamat	Histiocytosis 'X'	Vivekanand J. of Med. Sciences, Calcutta.
Dr. (Mrs.) S. M. Joshi		Attended National Seminar on Respiratory Disorders held at K.E.M. Hospital, Nov. 89.
		Attended National Workshop & Seminar on Paediatric Endocrinology. Feb. 89.
	Polimyelitis in infants below 5 months.	At National Conference of IAP, Agra, Oct.'89.
	Breath holding spells.	At National Confernece of IAP Agra, Oct.'89.
	Life threatening situatione in Intrathoraoic tuberculosis.	At a National Seminor on Respiratory disorders at K.E.M. Hospital, Ballay, Nov. 89.
Dr. Preeti Shanbhag.		Attended seminar on 'Newer Vaccines' organised under the auspices of the Festivals of France in India hold in Feb. 89 at the Oberoi Hotel.
		Attended Seminor on Paediatric Endoorinology in Feb. 89 organised by the Endoorinology Chapter of the Indian Academy of Paediatrics.
Dr. Sushila Baliga.		Attended Seminor on 'Newer Vaccines' organised under the suspices of the Festival of Facne in India held in Oberoi Hotel in Feb. 89.

Doctor	Subject	Particulars where published
		Attended Seminor on Paediatric Endocrinology at Oberoi Hotel in Feb. 89.
Dr. Sushila Baliga.		Attended International Workshop on Infant Nutrition and Lactetion at Moolchand Khairati Ram Hospital, New Delhi.
Dr. Sushma Malik.		Attended 1st National Seminar on Integrated Care of Oritically ill from 24th to 26th Nov. 89 at L.T.M.M. College & Sion Hospital, Bombay.
Dr. Bharat N. Nandgaonkar.	Neonatal outcome following meconium stained liquor Amni.	At the 26th Annual Conference of IAP At Area.
	DEPARTMENT OF PHARMACOLOGY :	
Dr. S. R. Amleni	Biological Photography entitled Interactions with Nature.	Gave a slide illustrated Committee for Inspection of Drug Manufacturing Firms.
		Member of BMC consituted coommittee for inspection of Drug manufacturing firms.
		Executive Trustee of Nair Golden Jubilee Research Foundation.
		Chairman & a Speaker at A Symposium on "Immuno Pharmacology" at the XV Annual Confernce of Pharmacologists of Maharashtra at Miraj Medical College in August 89.
	Ethnobotany.	Science Today - 2001 - April 1989.
	Hodgkin's syndrome : fifteen minutes madness syndrome caused Procaine Panicillin.	Current Medical Practice, 1989.
Dr. (Mrs.) S. A. Desai.	Usefulness and Limitations of Radionuclide Investigations.	Quarterly meeting of Staff Society at T.M.M.O.
	Left ventricular function in COPD patients.	Abstracts in the Issue of Indian Journal Nuelear Medicine, Oct. 1989, Vol. IV and G. E. Conference.
	Liver Scintigraphy in alcoholic and non-alcoholic cirrhosis.	Abstracts in the issue of Indian Journal Nuclear Medicine, Oct. 1989, Vol. IV and at G. E. Conference.
Dr. (Mrs.) S. R. Melgiri.		Attended a regional conference of Pharmacology of Maharashtra at Miraj in Aug. 1989.

Doctor	Subject	Particulars where published
		Appointed as an expert at MPSC interview for Readers' post at Government Medical College, in Jan. 1989.
Dr. S. N. Rao.		Attended National Teachers Training course at Chandigarh PGI, Aug. 1989.
		Co-ordinator for Radioisotope.
		Attended State conference of Pharmacology at Miraj, Sept. 1989.
Dr. S. R. Amlaxi		Medical officer and Instructor at the 10 days Adventure Course for children between 10 & 18 in Dec. 89/Jan. 90, organised by the Explorern & Adventrues, & voluntary organisation recognised by the Indian Mountaineering Foundation, Indian Natinal Adventure Foundation & the Ministry of Human Resource Development, all Centrol Govt. Bodies.
Dr. S. R. Amladi		Honorary Member of the organisation and is adviser, consultant for Biomedical Problems, Fitness, Health and Training in the Organisation.
		Medical Officer and Member : B. M. C. organised trek to climb two Sahyadri Forts.
Dr. (Mrs.) S. A. Desai		Expert member on a panel for selection of technical personnel for BRIT (Cormerly BARC).
DEPARTMENT OF RESPIRATORY MEDICINE :		
Dr. A. A. Mahashur.	Interstitial lung diseases.	Delivered lectures and participated as a faculty member in found table discussions on TB, AIDS, Superative Fung disease in the Indo-British Course on "Advances in Respiratory Diseases" held between 9-12th January 1989.
	Cor Pulmonale	
	Histamine reactivity in asthma & bronchitis.	
		Chaired an Honour lecture in the IX National Congress on Respiratory Diseases between 12-15th December 1989.
	Management of Idiopathic Mediastinal Fibrosis - report in three cases.	Lung India, 1989, VII No. 2, 71-72.
	Chronic obstructive disease in India - Morbidity & Mortality due to smoking.	The Indian scene - Preceedings of workshops "Tabaces & Health" Tata Memorial Centre, 37 - 47, 1989.

Doctor	Subject	Particulars where published
	Clinical Physiologic & Pharmacodynamic comparison of various thesphylline preparatins and combination Bronchodilators.	Lung India - Vol. VII, No. 4, Nov. 1989.
Dr. A. A. Mahashur	Bombay experience in Intensive Respiratory Care Over 7 years.	Journal of Postgraduate Medicine.
	Role of Metronidasole in improving response and specific drug sensitivity in advanced pulmonary tuberculosis.	JAPI, Nov. 1989, 37, 694-697.
Dr. S. R. Shah	Occupation Health Hasards - Personal Experience.	IMA Conference West Suburban branch in Sept. - Oct.' 89.
	Flexible fiberoptic bronchoscopy and BAL	Lecture in Maharashtra State Anti T. B. Conference held in Feb. 89.
	Role of F.O.B. in Respiratory Diseases.	Lecture in C.M.E. arranged by N.G.I. RF., Nair Hospital.
	Respiratory Diseases.	Took teaching lectures in Nov. 89 at IMA Hall.
Dr. D. N. Koyande.		Attended Indo-British course on "Advances in Respiratory Diseases" held between 9th-12th Jan. 89.
		Attended W. H. O. conference at Bombay Hospital.
	Comparison of results of various tests of Autonomic Nervous systems in 50 young adults.	Article in JAPI, Jan. 90, 254, 56.
	Study of Efficacy of Osothine in lower respirstory tract disenses.	XX National Confernce on Hospiratory Diseases, Hyderabed in Dec. 89.
Dr. (Mrs.) A. Malathi Dr. (Mrs.) V. G. Parulkar.	A comparatie study of certain parameters in schizophrenics & healthy control.	Sent for publication to Ind. J. of Psychiatry.
	A preliminary study of Reaction time in Schizophrenis.	Sent for publication of Ind. J. Physiol. Pharamac.

Doctor	Subject	Particulars where published
	Medical students performance a multifactional study.	Sent to Ind. J. of Medical Education.
Dr. (Mrs.) A. Malathi		Attended a course in application of computer in medicine organised by the MGJRF.
	DEPARTMENT OF PREVENTIVE & SOCIAL MEDICINE	
Dr. (Mrs.) N. P. Pai.	Profile of cancer in Women admitted in a Teaching Hospital.	At National Conference in IAPSM at Gauhati in Oct. 1989.
		Chaired a scientific session on MCH Care at the National Confernce in IAPSM at Gauhati in Oct. 1989.
		Participated in a panel discussion on MCH Care organised by Association of Medical Women in India as Refresher Course 'Nest the Experts' programme on 30th Nov. 1989 at Cama Hospital.
		Took part in the discussion in the workshop arranged on Polio Plue Programme by Deoner Rotary Club.
		Elected as Executive Committee Member of the IAPSM.
Dr. (Mrs.) V. A. Naik	Profile of Adolescent females in an Urban Slum Community.	At the Nineth World Congress on Juvenile & Adolescent Gynsecology & Obst. held at Bombay February 1989.
		Co-chairman for the Session on 'Miscellanceous Subject' at Nineth World Congress on Juvenile and Adolescent Gynasc. & Obst. - at Bombay, February 1989.
		Appointed as expert for National Review of Immunisation Programme of India for Gujrat State. Leader for the team for Rajkot District. Prepared the report of review for Rajkot District.
		Participated in a panel discussion on 'Health of Child' in Kannada for the All India Radio, telecasted from Bombay.
		Participated in a WHO sponsored workshop on 'Ulilisation of Health Services' by the Urban poor held at Tata Institute of social Sciences, Nov. 1989.
Dr. (Mrs.) V. A. Naik Co-author	Prevalance of vit 'A' deficiency in children in urban slum.	XXX National Annual Conference IAPSM Oct. 20 22nd 1989 at Guwahati.

Doctor	Subject	Particulars where published
		Participated in Workshop organised by Rotary Club of Bombay North on 12th November 1989.
Dr. (Mrs.) Daksha D. Pandit.	Knowledge of Tobacco Smoking in Medical Students at T. N. Medical College, Bombay.	Indian Journal of Community Health Vol. 4 May - August 1988, No. P - 29 to 37.
	Neonatal Mortality in the City of Bombay.	Indian Proctitioner, March 1989, P - 187 to 190.
Dr. (Mrs.) Daksha D. Pandit.	Impact of EPI on mortality and morbidity of EPI diseases.	Indian Practitioner, July 1989, F 543 - 548.
	Different spproaches to health education in primary health care.	The Journal of General Practice, Vol. XVI No. 2, 1989, F - 11-14.
	More national ARI programme needed.	ARY News, AHRTAG, August 1989, P - 8.
		Attended the WHO sponsored training course on Health system research at National Institute of Health and Family Welfare at Delhi from 16th Oct. to 26th Oct. 89.
		Participated in 'Follow up Workshop' at Delhi on 'Health System Reesearch' from 10th Dec. to 15th Dec. 1989 sponsored by WHO.
		Is on the faculty of Civic training Institute Borivali and was invited to give lectures to senior Nursing Staff as a part of training on 'Effective hospital management at various Municipal Hospitals in Bombay like Nair & Nair Dental, KEM, Kasturba, Sion, Bandra Bhabha, Rajawadi and Cooper Hosp.
		A copy of 'Diarrhoe Game' developed by us in displayed at the Resource centre of AHRTAR, London where it is seen and admired by many visitors from all over the world.
Dr. Gajanan D. Valhal.	Measles Survey in Pari-Urban Slum of Bombay.	Communicable Diseases Bulletin, Vol. 6, No. 2, June 1989, 14-16.
		Attended Diagnostic Camp at Mahad Dist : Raigad sponsored by PRIDE IDNIA from 8-10 November 1989.
		Attended Diagnostic Camp at B.I.T. Chawl, Bombay on 10.9.89.

Doctor	Subject	Particulars where published
Shri S. G. Jain. Co-author	Profile of Cancer in Woman admitted in Nair Hospital, Bombay.	
	Neonatal Mortality in the city of Bombay.	Indian Paediatrics, March 1989, P 187 to 190.
	Impact of EPI on Mortality and Morbidity of EPI Diseases.	Indian Practitioner, July, 1989, F - 543-548.
	Immunisation Coverage of Shivajinagar by 30 Cluster Sampling Method.	
	Termination of Pregnancy in Adolescents..	Journal of Post Graduate Medicine (1987) 33 (3) 120-124.
		Supervisor for the child and mother coverage survey cluster under Universal Immunication programme.
		Analysis and compilation of the same survey.
		Helped in Planning and Analysis of data of research activities of the Resarch Society of our Institute and other department.
Dr. (Mrs.) R. Y. Aras.	Prevention of Vitamin 'A' deficiency in the context of levels of prevention.	The Indian Practitioner, Feb. 1989 pp 101 105.
Dr. (Mrs.) R. Y. Aras. Main Author	Individual action for Health for all, continuing education.	General Practitioner, May 89, pp.43-45.
	Your Health is in your hand.	The Journal of General Practice Vol. XV No. 6 Dec. 1988, pg. 12- 14 (brought out in Feb. 90).
	Role of Epidemiology in Community Health.	Health Administrator Vol. 7, No. 1, July 1989 pp 54 - 59.
	Pregnancy at Teenage Risk factor for lower birth weight.	Indian Paediatrics Vol. 26, Aug. 1989 pp. 823 - 815.
Dr. (Mrs.) R. Y. Aras. Co-Author.	Measles Survey in Fori-Urban Slum of Bombay.	Communicable Diseases Bulletin, Vol. 6, No. 2, June 1989, 14 - 16.
	Profile of Adolescent females in an urban slum community.	Gynaec. Conference in Bombay, 26-29 Feb. 1989.
	Diet in Pregnancy.	Radio talk in Konkani on 3rd March 1989.
		Staff society editor in executive committee.
	Woman's role in health care.	Scientific committee meeting of Staff Society 8th Sept. 1989.

Doctor	Subject	Particulars where published
	DEPARTMENT OF PATHOLOGY :	
Dr. A. P. Choksi Dr. M. V. Pai Dr. R. Joshi Dr. R. H. Kalro Dr. H. G. Desai Dr. A. M. Phatak.	Eosinophilic Granuloma of Stomach.	Journal of Association of Physicians of India, Vol. 37, No. 2, February 1989.
Dr. S. Sharma Dr. B. Balaney Dr. J. V. Mandke.	Cardiac Tamponade as a Presentation of Mucoepidermold Bronchogenic Cardinoma.	JAPI 1989, Vol. 37, No. 2, February 1989.
	RADIOLOGY DEPARTMENT :	
Dr. G. R. Jankharia Dr. S. A. Gokhale Dr. S. V. Kothari		Attended a course on "Recent Advances in Ultrasound" at hotel President, Bombay between 17th April 1989 to 22nd April 1989.
		Attended the 14th Regional Conference of M.S.B. of I.R.I.A held at Pune between 30th Sept. to 1st Oct. 89.
Dr. G. R. Jankharia.		Chairman for the session Paediatric Readiology.
Dr. A. G. Naik	Role on Ultrasound in diagnosing cases of bleeding per vaginum in the first trimester of pregnancy - A study of 75 cases.	XLIII Annual Congress of Radiology & Imaging at Hyderabad between 4th Jan. to 7th Jan. 90.
Dr. S. A. Gokhale.		Attended XLIII Annual Congress of Radioligy & Imaging at Hyderabad between 4th Jan. to 7th Jan. 90.
Dr. G. R. Jankharia.	Experience with intra-vascular use of omnipaque (350 mg).	XLIII Annual Cogress of Radiology & Imaging at Hyderabad between 4th. Jan. to & 7th Jan. 90. Chatrman for the free Scientific Session on Genito Uro-rediology and was a member of Governing Body meeting.
Dr. S. V. Kothari.		Attended XLIII Annual Congress of Radiology & Imaging at Ryderabad between 4th Jan. to & 7th Jan. 90.
		Join Editor and Secretary of Indian Journal of Radiology and Central Council member of I.R. & I. A. from the year 1989 to 1991.
Dr. Gurumit Singh Rekhi	Sonography of Liver disorders and vafification with biopsy.	XLIII Annual Congress of Radiology & Imaging at Hyderabad between 4th January to 7th Jan. 90.

Doctor	Subject	Particulars where published
Dr. G. R. Jankharia.		Attended a workshop/seminar organised jointly by ICRI & RCR on State of the Art in Modern clinical Imaging between 9th Jan. to 13th Jan. 90 Calcutta.
	Recent advances in contract Media.	Gave talk in Teaching Programme of Indian College of Rediology & took film reading sessions in Radiology & also was one of the faculty member.
Dr. A. G. Naik.		Appointed as co-opted member as expert to inspect the Thadomal Shahani College of Engineering, Bandra by Vice-Chencellor of University of Bombay and visited the said college on 18-8-89 and 18-9-89 for inspection. Attended Health Service Camp organised by Maharashtra Veershaiv Sabha, the Bombay District Committee on Sunday, 23rd April 1989 at Sona Hospital, Santacruz between 8.30 a.m. to 4.30 p.m. for the benefit of the member of the committee.
	Role of percutaneous Transhepatic Biliaryh Drainage.	Gave a speak on the update on (i) Portal Hypertension & (ii) Obstructive Jaundice organised by G.E.S.S. Department on Saturday the 8th April 1989, at 1.00 p.m. Awarded "J. C. Bose oration for the year 90" by the Indian Radiological & Imaging Association This is highest academic honour by the Indian Radiological & Imaging Association.
UROLOGY DEPARTMENT :		
Dr. S. T. Chaudhry.		Attended workshop on Endourology at Hinduja Hospital 12th Jan. 1989. Deputed by B.M.C. for Hospital administration AIIMS 9th to 11th Feb. 89. Chairman Session XIII 23rd General Confernce Urological Society of India Ahmedabad 21st to 24th Sept. 89.
	Urological probleme in obstetrics & Gyneacological practice.	Lecture in Symposium held at L.T.M.G. Hosp. Aug. 89.
	Family planning Techniques - Interval & Permanent.	Guest Lecture on 31st May 1989 - FPAI India.
	2 cases of Anti Urethral Valve.	Indian J. of Urology 89. Elected to the Board of studies for Surgery, Bombay University. Elected Tressuere, Bombay Urological Society.

APPENDIX : X

Sr. No.	Category of the Activity.	Actuals 1988-89 Rs.	Budget Estimates 1989-90 Rs.	Revisded Budget Estimates 1989-90 Rs.	Budget Estimates 1990-91 Rs.
1.	General Administration and supervision	1,40,20,637	1,83,67,910	1,83,67,910	3,25,63,960
2.	Medicine Department	1,20,50,160	1,24,70,260	1,24,70,260	1,55,70,260
3.	Surgery Department	1,17,35,340	1,18,91,230	1,18,91,230	1,47,01,230
4.	Obst. & Gynaec. Department	41,20,250	42,60,250	42,60,250	52,60,250
5.	Padieatric Department	32,40,170	33,10,250	33,10,250	41,10,250
6.	Premature Baby Ward.		Reflected in Gyanecology Dept.		
7.	Radiology Department	42,57,190	38,30,160	38,30,160	47,80,160
8.	Pathology & Bacteriology Department	22,19,270	19,96,130	19,96,130	24,06,130
9.	Casualty Department		Shown under Medicine Department.		
10.	Orthopaedic Dept.	35,98,455	33,31,000	33,31,000	41,81,000
11.	Annual (ENT) Dept.	24,18,730	24,02,650	24,02,650	30,02,650
12.	Ophthalmic Department	21,97,450	20,55,360	20,55,360	25,55,360
13.	Skin & V.D. Dept.	22,00,140	27,57,270	27,57,270	27,57,270
14.	Blood Bank	11,63,275	10,50,160	10,50,160	13,10,160
15.	Neurology Department	33,26,347	30,65,350	30,65,350	38,05,350
16.	Urology Department	--	--	--	--
17.	Pharmacy Department	32,81,471	33,30,850	33,30,850	41,60,850
18.	A.& S.T. Department	3,45,724	3,47,400	3,47,400	4,48,380
19.	Psychiatric Dept.	20,54,640	20,39,750	20,39,750	25,39,750
20.	Biochemistry Department	--	--	--	--
21.	Physiotherapy Dept.	6,10,300	6,03,400	6,03,400	7,53,400
22.	Occupational Therapy Department	5,50,400	5,22,500	5,22,500	6,52,500
23.	Immunization Centre	--	--	--	--
24.	Gastroenterology Department	5,94,230	4,90,500	4,90,500	6,12,500
25.	Mobile Health Unit.	--	--	--	--
26.	Dental Clinic	--	--	--	--
27.	T.B. Observations	15,85,250	12,83,250	12,83,250	16,04,250
28.	Neuro-surgery Department	7,80,360	6,61,250	6,61,250	8,26,250
29.	Plastic Surgery Department	3,60,215	3,60,130	3,60,130	4,50,130
30.	CardiacMedicine Department	10,15,220	11,30,110	11,30,110	16,30,110
31.	Thoracic Surgery Department	--	--	--	--
32.	Paediatric Surgery Department.	2,70,235	2,84,240	2,84,240	3,54,240
33.	Artificial Kidney Department	2,40,200	2,41,650	2,41,650	3,01,650
34.	Diabetic Clinic	3,70,300	2,35,200	2,35,200	2,94,200
35.	Genito Urinary Dept.	3,50,100	2,29,000	2,29,000	2,86,000
36.	Nursing School	2,40,180	2,36,200	2,36,200	2,95,200
37.	Anaesthesia Department	16,80,275	15,39,150	15,39,150	19,34,150
38.	Intensive Care Unit	8,20,500	7,75,440	7,75440	9.65,440
39.	Paediatric Centre at Reay Road --	--	--	--	
40.	Kamathipura Teaching Centre	6,31,839	15,73,100	15,73,100	23,04,250
41.	Centre for Drug Adicted Patients	--	10,44,000	10,44,000	--
	Total	8,2403,978	8,71,85,100	8,71,85,100	11,74,17,280

PERSONNEL SUMMARY

Sr. No.	Category of the staff	Actuals 1988-89 Rs.	Budget Estimates 1989-90 Rs.	Revisded Budget Estimates 1989-90 Rs.	Budget Estimates 1990-91 Rs.
1.	Administrative	185	185	184	184
2.	Medical	213	213	211	211
3.	Nursing	704	704	699	727
4.	Technical	204	204	204	204
5.	Labour	924	931	927	927
	Total	**2230**	**2337**	**2225**	**2255**

LOKMANYA TILAK MUNICIPAL CENTRAL HOSPITAL AND ANNAPURNABAI DESHMUKH HOSPITAL FOR WOMEN AND LOKMANYA TILAK MUNICIPAL MEDICAL COLLEGE

List of Names & Qualifications of the Heads of Institute who held the post during the year 1989-90

Sr. No.	Designation	Name of the Officers	Qualification	Period From	To	Remarks
1	D E A N	Dr. S. V. Nadranri	M. S. (Gen.Surg)	Held the post During the year		
2	Ag. Dean	Dr. N. A. Daholkar	M. D.	20.4.89	6.5.89	
3	Asst. Dean	Dr. (Smt) H. P. Rebello	M.B.B.S.(DCH)	Held the post During the year.		
4	Ag. Asstt. Dean	Dr. (Smt) S. R. Somai		27.12.88	7.1.89	
	Ag. Asstt. Dean	Dr. (Smt) S. R. Somai		12.3.90	26.3.90	
5	W. O.	Shri N. B. Salunke	B.E.(Civil)	Held the post During the year.		

HIGH LIGHTS :

HOSPITAL:

I - EXPENDITURE:

(a)	1.	On-In-patients		8,94,17,680
	2.	On-Out-patients		1,73,02,867
	3.	Total Expenditure (Excluding New work)		10,67,20,347
	4.	On New work		N I L
(b)	1.	Average Cost per In-patients per day	Rs.	214.21
	2.	Average Cost per Out-patients per day	Rs.	36.30

II - REVENUE OF HOSPITAL SIDE :

1.	Revenue from Out-patients	Rs.	10,03,105.00
2.	Revenue from In-patients	Rs.	4,64,530.00
3.	Revenue from Overstayed of patients	Rs.	2,77,440.00
4.	Maternity charges for 4th delivery	Rs.	24,750.00

III - RESULTS :

IN - PATIENTS

1.	Schedule bed strength	1,048
2.	Total admissions during the year	54,858
3.	Admission including those brought over from pervious year and U.H.C. Paediatric Ward.	55,938
4.	Daily average number of admissions	150
5.	Highest admission on a single day	294
6.	Total number of In-patient day	3,94,159
7.	Average stay of In-patient in days	7.04
8.	Daily average In-patients in wards (including Sarvodaya & U.H.C. Wards)	1,080

9.	Remained in the Hospital on the last day of the year		950
10.	Number of patients discharged as		50,901
	i) Relieved	26,025	
	ii) As Cured	10,212	
	Iii) Otherwise	14,664	
	Iv)expired	4,067	
11.	Death rate		7.4

(B) **OUT PATIENTS**

1.	New - Out patients attendance including Urban Health Centre	2,10,564
2.	Repeat Out-patients attendance	2,41,208
3.	Daily average number of New and repeat patients	1,501
4.	Highest New-OPD Attendance on a single day	781
5.	Number of Casualty Attendance (Medico legal)	27,092

(C) **OPERATIONS**

1.	Operations on In-patients	12,298
2.	Operations on Out-patients	35,736

(D) **CONFINEMENTS**

1.	Booked Cases	5,332
2.	Emergency Cases	820
3.	Total number of delivery	6,152
	(a) Normal	4,824
	(b) Abnormal	1,328
4.	Neonatal and Meternal deaths	
	(a) Maternal deaths	31
	(b) Still birth	261
	(c) Premature deaths	165
	(d) Neonatal deaths	384

IV. SPECIALISED TREATMENT

1.	Admissions in Resuscitation Wards		2,364
2.	Sterilization		
	(a) Male	10	
	(b) Female	3,123	
	(c) I.U.C.D. inserted	810	
3.	A. K. D.		
	(a) Haemodialysis	1,008	
	(b) Peritoneal dialysis	41	
	(c) Renal biopsies	4	

V - RADIOLOGY

1.	X-Rays taken	1,62,385	
2.	No. of patients X-Rayed	92,712	

VI - **BLOOD BANK**

1.	Blood Samples collected from :		
	(a) Voluntary Donors	3,229	
	(b) Relative Donor	4,383	
	(c) Other Hospital	718	
2.	Bottles supplied		

VII - **SCHOOL CLINIC**

(A)	Number of school children treated		26,317
	(a) New cases		2,840
	(b) Repeat Cases		23,477
	(c) Referred Cases		613
(B)	**EXPENDITURE ON CLINIC**	Rs.	3,45,211.18

VIII - **PHYSIO THERAPY**

(a) Out-patients treated	13,384
(b) Number of treatents given	81,976
(c) In-patients treated	8,917
(d) Number of treatments given	1,04,871

IX - **OCCUPATIONAL THERAPY**

(a) Out-patients treated	9,206
(b) Number of treatments given	18,463
(c) In-patients treated	11,495
(d) Number of treatments given	1,51,711

X - **MEDICO SOCIAL SERVICE DEPATMENT**

(A)	Direct Service :	
	Number of cases handled on case work level & other long term & short term	6,835
(B)	**MEDICAL AID**	
	Number of patients given medicines	25,700

I - **COLLEGE**

ANNUAL EXPENDITURE AND REVENUE

(A)	1. Expediture including Expenditure on Hostel	Rs.	1,98,17,991.00
	2. Revenue from tution fees, Hostel Rent and Miscellaneous Receipts	Rs.	7,57,270.00
	3. Revenus from Post Graduate fees.	Rs.	2,01,650.00
(B)	**INCOME FROM HOSTEL**		
(C)	1. Gross Cost per student	Rs.	33,934.00
	2. Net Cost per student	Rs.	32,983.00

2 - **STUDENTS**

1. On roll as on 31.12.90	584

NUMBER OF STUDENTS CLASSWISE

	MALE	FEMALE	TOTAL
Ist M.B.B.S.	58	80	138
II M.B.B.S.	78	95	173
IIIrd M.B.B.S.	79	88	167
Post graduates on roll as on 31.12.89	135	119	254
Total No. of Interns as on D. M. L. T.	32 1	64 9	96 10
TOTAL	385	455	838

Lokmanya Tilak Municipal Medical College, Sion has completed 25 years of imparting Medical Education to the students for undergraduate studies and 12 years of giving post graduate education in various degree, deploma courses 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 upto 18th June 84. 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 the institution on 25th Auguest 88 and 20th December 88 and also on 14.9.89 and that report is awaited. The Medical Council of India has approved this institution for training of students for M.B.B.S. degrees and some of the post graduate diplomas and superspecialities which are conducted at this institution.

Dr. S. V. Nadkarni, M. S. (General Surgery) is appointed as Dean since 24the February 1986. He is also Head of the Department of Surgery.

LIST OF HEADS OF DEPARTMENT FROM 1.1.89 to 31.12.89.

Sr. No.	Name	Qualification	Designation
1.	Dr. S. V. Nadkarni	M.S.	Dean & Prof. of Surg.
2.	Dr. N. A. Dabholkar	M.D.	Prof. of Physiology
3.	Dr. J. K. Bhatt	M.S.	Prof. of Anatomy
4.	Shri. F.. R. Billimoria	M.Sc. (Bichem)	Prof. of Biochemistry
5.	Dr. K. P. Deodhar	M.D.	Prof. of Pathology
6.	Dr. L. P. Deodhar	M.D.	Prof. of Microbiology
7.	Dr. Pritam Phatnani	M. B. B. S.	Hon. Prof. visiting Forensic Med. Dept. from 1.8.84.
8.	Dr. Gopa Kothari	M.B.B.S.,M.D.(P.S.M.)	Prof. of P. S. M.
9.	Dr. P. S. Menon	M.D.	Prof. of Medicine
10.	Dr. M.J. Gandhi	M.D.	Hon. Prof. of Cardiology.
11.	Dr. A. P. Chaukar	M.S.	Prof. of C.V.T.S.
12.	Dr. P. S. Ramani	M.S.	Prof. of Neurosurgery

Sr. No.	Name	Qualification	Designation
13.	Dr. R. L. Thatte	M.S.	Hon. Prof. of Plastic Surgery.
14.	Dr. S. D. Bapat	M.S.	Hon. Prof. of Urolog
15.	Dr. P. R. Vaidya	M.D.	Prof. of Obst & Gynaece.
16.	Dr. V. B. Athavale	M.D.	Hon. Prof. of Pead.
17.	Dr. D. A. D'souza	M.B.B.S.,DPM	Hon. Prof. of Psyohiatric.
18.	Dr. N. S. Laud	M.S.	I/C Hon. Prof. of Orthopaedics
19.	Dr. K. B. Bhargave	M.S.	Hon. Prof. of E.N.T.
20.	Dr. S. H. Pantvaidya	M.D.	Prof. of Anaesthesia
21.	Dr. P. M. Shanbhag	M.D.	Hon. Prof. of Dental Surgery
22.	Dr. S. A. Motwani	M.S.	I/C Opthalmology Dept.
23.	Shri. S. T. Bhatt	M.Sc.	Head of Occupational Therapy Dept.
24.	Smt. B. V. Bellare	B.Sc. (P.T.)	Head of Physio Therapy Dept.

Dr. (Mrs.) H. P. Rebello is continuing as Assistant Dean of L.T.M.G. Hospital.

ADMISSION :-The Addmission capacity of students admitted for M.B.B.S. course at this institution is 100 per year. The number of students on roll as on 31.12.89 was 584 and that of post graduate was 203. There are three students under Dr. Deodhar for doing Ph. D. in Pharmocology. The department of Biochemistry since 1984 and 4 students are registered for Ph. D.

The University of Bombay has recognised Biochemistry department for registration of one student for M. Phil in Biochemistry and student is registered under Dr. Billimoria.

D.M.L.T. Course is conducted at this institution with admission capacity of 10 students. Every year in June we are also enrolling students for M.Sc. (Course) in floowing subjects.

	No. of Students
M.Sc. (Biochemistry) by papers	10
M.Sc. (Biochemistry) by research	5
M.Sc. (Microbiology) by research	5
M.Sc. (Animal Physiology) by Research	5
M.Sc. (Physiotherapy) by papers	5
M.Sc. (Occupational Therapy) by Research	5
M. Phil. (Biochemistry) by Reserach	1
Ph. D. (Microbiology)	5
Ph. D. (Biochemistry)	5

The students on roll attending these course are 61.

Educational Activities :- Besides regular teaching programme Monthly Scheduled Meeting and

Clinical Cardiology Conference are held regularly. Scientific and educationa films were shown to the staff and students.

Specialized training is imparted to students of other institution by organising workshops and seminors. Specialised training in super speciality subject is given and fees of Rs. 100/- p. m. is charged.

INTERNS :- Graduates from University other Bombay University are allowed to undergo internship training at the attached LT.M.G. Hospital to the extent of 10 percent. From October 84 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 85 term. Students from S.N.D.T. University and other technical instututions are allowed to work for practical traning in Pathology on payment of Rs. 100/- for 3 months training.

We are conducting competitive examinations in the subject of anatomy, Physiology for Ist M.B.B.S. Pharmacology, Pathology for II M.B.B.S. and Medicine, Surgery, Obst. & Gynaec., P.S.M., E.N.T. Paediatrics, Dermatology, Psychiarty for III M.B.B.S. students every year. The winner of the examinations are given merit certificates and cash prizes from the interest of the donation received from the Silver Jubilee Fund of the institution. A Competitive examination in Opthalmology (only practical Exam.) for regular batch and casual batch of Interns is started from August 1983 as Dr. Sathe's Prize (Cash) in Ophthalmilogy, given to Intern judged as first. Simillerly, competitive examination in pathology (for II MBBS) students and Paediatrics (for III MBBS) students are started from February 86 and August 85, respectively named as Dr. Athavale's Prize and Dr. Phadke's prize. Cash Prizes are given to the students who stood first and second 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 candidates for M.S. (General Surgery) Course in the regular batch (November term students). It is given from the donation received from relatives in the memory of Late Dr. Hemant Kelkar in 1981.

A seperate Commitee of students manages the students' cultural and sports activites. 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 82 terms onwards.

RESEARCH SOCIETY :- The staff and research society is functioning in this institution since August 66. It is registered under the Societies Registration Act and Public Trust Act. Medical officers working in this institution including Hon. Prof., Hon. Asstt., Full time Medical Officers upto the level of Lectureres are the members of Society. Annual subcription for each member is Rs. 50/- per annum. Total No. of membership as on 31.12.89 is 228.

Boys and Girls are given accommodation in the hostel building newly constucted. About 100 students are accommodated in these hostels.

An amount of Rs. 100/- per terrm is recovered from the students. Deposit of Rs. 35/- is taken from students occupying hostel for the first time.

LIBRARY :- During the year 521 books have been added to the collection to totaling to 16,789 books. The budget grant sanctioned for Library from LT.M.M. College is Rs. 5,00,000/- and from LT.M.G. Hospital is Rs. 3,35,000/-.

Total no. of bound volumes	9,574
Total no. of Journalsas on 31.12.89.	280

ANNUAL COST & REVENUE :- Total expenditure of college amounted to Rs. 19,12,292 excluding establishment cost against total incurred Rs. 1,98,17,991 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 on receipt from concerned section.

MEDICAL RECORD DEPARTMENT :-

In-patients :- The Schedule bed strength of this hospital is 1048. The distribution of beds according to the departments is shown in Appendix III. 54858 patients were admitted for Indoor treatment during the year as aginst 54,570 and 49,334 and 54,858 during the preceding three years respectively.

Out-patients :- The Out-patiennt department has attended to 1,80,563 new patients. The highest admissions and out-patients attendance (only New attendance) on a single day was 294 and 781 respectively.

Afternoon Out-patient Department :- There are three Out-patient department viz. Medical, Surgical and Paediatrics running in afternoon. During the year 16061 patients were treated in these departments.

Paying patients :- Under the scheme which is affective from 1951, 1697 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% of the prescribed charges :

Medico Legal Cases :- Casualty Departments, 27092 accidental and other Emergency cases were treated in this department and 1102 injury certificates were issued to police and 95 court calls were attended by the Resident Medical Doctors during the year under report.

Certificates :- 12050 certificates of different type were issued to the patients during the year under report as under :-

1.	Opinion Certificates	10,200
2.	Injury Certificates	900
3.	A. Form Certificates	500
4.	Accident insurance certificate	10
5.	LIC certificates	45
6.	Re-Imbursement	395
	Total	**12050**

Fees Collected :- The collection on account of sale of O.P.D. & Indoor forms, bed charges from patients over stayed in General Wards and Meternity charges for fourth delivery during the year as under :-

1.	Sale of OPD Forms	Rs.	10,03,105.00
2.	Sale of Indoor Forms	Rs.	4,64,530.00
3.	Bed charges from patients Overstayed in General Wards	Rs.	2,77,440.00
4.	Maternity charges for 4 th delivery	Rs.	24,750.00
	Total	**Rs.**	**17,69,825.00**

Minor Surgery Department :- 9117 Minor Operations were performed in the department during the year.

Pathology Department :- 5,30,532 investigations were carried out and 2,379 autopsied were performed during the year (Medicolegal) P. M. 1,274 and Medical P. M. 1,105. A special Laboratory has been set up to work round the clock for the traumatic Emergency Services. The department has also under taken work for :-

1. Maa Hospital, Chembur
2. Chember Maternity Home
3. Mulund Hospital (East & West)
4. Bhandup Matenity Hospital
5. Chunabhatti Meternity Hospital
6. Dharavi Urban Helath Centre

7. Kurla Bhabha Hospital
8. Raoli Camp Meternity Home

Anaesthesia Department :- During the year 30,081 patients have received anaesthesia in various theatres and minor surgery department. 12,823 patients were kept in recovery room and out of these 285 patients were required to be treated with respirators. 5,264 patients were examined in OPD for fitness for surgery.

X-Ray Department :-

A.	No. of patients	92,712
B.	No. of X-Ray	1,62,385
	a. No. of Ba-meal	889
	Ba-swollow	367
	Ba-enema	242
	b. Carotoid Angiogram	257
	c. Special Investigations	5,126
	d. Other Misc. investigations	85,560
	e. Ultra Sound	3,371

Dental Department :- 6639 patients were treated for various tooth troubles.

Anti-Rabic Depatment :- 16,389 patients were treated both new 2727 and 13662 repeat.

Blood Bank :- The total number of Blood samples collected from relative donors was 4383 and that from voluntary donors was 3229. Blood bottles brought from other Hospital 1487. The total number of blood samples for transfusion during the year was 8277.

Physiotherapy and Occupational Therapy Department :- The Work done in these departments during the year is shown below (out patient and In-patients)

Sr. No.	Department	No. of patients	No. of Treatments
1	Physio Therapy	22,301	1,86,847
2	Occupational Therapy	20,701	1,70,174

Audiology & Speach Department : During the year, patient have taken advantage of services of the department as under :-

1.	No. of Audiograms	3,476
2.	No. of New Speach cases	384
3.	No. of visits speach therapy	
4.	No. of special Audiometry Testing	1,290

Hand Injury Follow up Clinic :- 99 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 Oprations performed	10
2.	Sterilization Operations performed	1056
3.	Loops inserted	810
4.	Patients given condoms	20,320
5.	Patients given oral pills	—

School Clinic Department :- 2840 New and 23,477 old cases from defferent Municipal Schools from the 26 suburbans and 45 city, 107 new 211 old cases from different secondary schools were treated during the year. 64 Tonsils operations were performed on Schools Children. spectacles were given during the year. Total expenditure on school Clinic at this hospital was Rs. 3,45,211.18

Flying Meternity Squad :- The Flying Meternity Squad donated by the Indian Red Cross society,

Bombay Branch, is rendering service 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.

Despensary :- The work carried out in the dispensary is as follows :-

Out-patients	
In-patients	
Special Prescriptions	3,48,937
M. S. W.	
School Clinic	

Department of Pharmacy :- Sterile and Non Sterile were manufactured in Pharmacy department duirng the year as under :-

1.	I. V. Sets	7435 Nos.
2.	Dressing drums	22,124
3.	Savlon	
4.	Enema Soap	470 Litres

Depatment of Paediatrics :-

Following are the special acctivities of the department.

1. **Paediatrics homatology clinic** - Conducted twice a week. Variety of investigations are now possible in this clinic. New cases regostered during 1989 - 2,058.

2. Follow up OPD for developmentally subnormal children was started in January 1985. It is held once in a week. New cases were registered during 1989 - 29,709

3. Thalassemia Research Centre with facilities for outpatient tranfusion for Thalassemia Children was inaugurated by the Municipal Commissioner, Mr. Tinaikar on 12th June 1988.

4. The Neonatology and Haematology Departments jointly organised the 1st National workshop in 'Neonatal Haematology - Oncology' and a symposium on 'Recent advances in Haemotological disorders and a symposium on 'Recent advances in Haematological disorders in childhood' under the convenorship of Dr. M. R. Lokeshwar and Dr. A. R. Fernandez. This workshop was sponsored by SJRF of L.T.M.G. Hospital and Bombay branch of IAP. This 4 days workship cum symposium was held from 9th - 12th June 1988 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

a)	Chronically ill for socio-psychological evaluation counselling and rehabilitation -	2539
b)	Orthopaedically - handicapped for socio-psychological evaluation, counselling and rehabilitation.	612
c)	Sensory disordered (hard of hearing and failing vision) for socio-psychological evaluation, counselling and rehabilitation.	405
d)	Mentally retarded cases for psycho-social evaluation, counselling and rehabilitation.	245
e)	Mentally retarded cases for psycho-social evaluation, counselling and rehabilitation.	315

f)	Socially handicapped cases for adoption, termination of pregnancy, foster cases, etc for psycho-social evaluation, counselling and rehabilitation.	268
	Total :	**4,139**

ii) Short term cases :

a)	Cases of discharge problem and institutionalisation.	458
b)	Cases in need of appliances, eg crutches, drugs and spectacles etc.	3,778
c)	No. of truns cases given medicins in M.S.W. Opp.	25,700

iii) Blood camps and blood bottles collected.

a)	No. of relatives seen for collection of blood given to the patients.	4,473
b)	Number of camps organised.	55
c)	Number of blood bottles collected from voluntary donors.	3,227

2) GROUP WORK :

Group work as a method has been found as one of the most effective one and hence, it has been used by the M. S. W.'s for the last few 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 Group continued its activities on once- a week basis between 1.30 p. m. 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. Last year, with the Dean's permission, the Deaf group is registered with the Charity Commissioner and with the Society Registration Act. The Deaf who act as the committee members conduct activities of their interest with priorities.

ii) Groups of Deaf children from Our own school were conducted on an on-going basis.

iii) Group of parents of the deaf were conducted 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 conducted and helped to understand their retarded child better.

v) Groups of alcoholics are conducted with the help of the student Social Workers Who helped the new papapegics to learn to cope with their physical and emotional to problem due to paraplegla. It also helped them to take more interest in themselved 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 to the A. A. Members. Groups of the relatives of alcoholics were also conducted to help them cope with the stress and to regard the addiction as an illnesss.

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 during the period of treatment. They were

i) Relatives of drug addicts admitted in the wards were seen once in a week.

ii) Parents of the epilleptic children were seen to diseminate 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 flour.

C) Recreational 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 Toy Bank (corner of ward 10). A volunteer is provided by 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 N. S. S. volunteers.

D) On Going Projects:

A) **For Out-door patients :**

i) Nutrition projects : Malnourished children, T. B. Patients and children are advised high protein diet and are given high protein diet and are given high protein powder specially devised and prepared by the M. S. W. department. This powder is also sold at the sale counter at the rate of Rs. 6/- per packed of 1/2Kg. Sometimes demonstration of preparing various tempting dishes is given to the mothers.

ii) Grain distribution for families going through a crisis situation is helped with the help of the VISHWA HINDU PARISHAD, at the rate of 5 Kg. Rice and 5 Kgs. wheat per month. Fifty such families are getting 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 Physically, 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 also to do. One batch of 12 girls have passed the Government Vacational 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 differnt handicape (blind) deaf, orthopaedically handicapped, panially ill, specially handicapped and some medical cases, relative of ready patients are given oppertunity to work together, to gain salf confidence and earn some monch. They are said on piece work basis. This also keeps them-guinfully cocupied in the following activities :-

i) Toiloring :- Makring baby clothes, hospital mending stitching orders, 6-Spits. 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 convaleccent patients in the workshop, and high protein powder are mold at the male counter. All sale proceeds are deposited in the Poor Box Fund. Handicapped persons conduct the male.

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 honorarioum by the all India Womens Conference.

ii) Circulating Library for the wards usually adult patients are kept for longer time. Old magazines and books are given for reading. Every day, in the afternoon, patients from different wards (wards 12,14,15,16,29 and 30) are given books and magazines by a worker (old patients of the department.) This activity is conducted by paying honorarim to the attendant through sponsorship and donation of old books and magazines. The M. S. W. department gives overall supervision.

iii) Pictures-postar library by which posters are circulated in the wards which helps to create pleasant atmosphere there.

Special Activities :-

Overnight Camps :- Tips and Picnics are organised for the different groups of handicapped. Through these activities a platform is privided to the group members to share their experiences and generate confidence to face difficult situations in life.

Siminors, Workshops and Fanel Discussion are organised for the various groups of disabled along with the rehabilitation them member to bring better interation between them and among themselves.

Special Projects :-

a) Development Clinic : A Workshop on 'Early Dingnosis and early intervention of handicapped children of pre-school age' was held in 184 in the L.T.M.G. Hospital. The emphasis was developmentally subnormal (retarded) 'children (6) years and the necessity of early intervention. With this tin 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 Trerapist 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 needs norls support, practical advice, continuing encouragement and motivation to work for the child.

Statagies Planned :-

a) Visits to Special Schools/Institutions for the mentally retarded planned.

b) To reach more famlies 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 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 recaived 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 aregiven training.

Project : Help :- In the cause of Women a project was undertaken by the Deptt. As the daily papers reported frequent cases of harressment of women by in-laws, married women losing their lives in order to get justice. In collabration with the police Coll, Women voluntary organisations and M.B.S.W.

Department. "PROJECT HELP" was started in July 1987. Under this project the Women Burn-cases were seen immediately on admission. From night (after 9.00 p.m.) the Rolice Van sent to M.S.W.'s and Volunteers' Houses and cases were interviewed.

Hospital Extension Project Servodaya Hospital : Convalescing patients from the Words, unknown patients with rahabilitation plans are transferred to Sarvodaya Hospital. Weekly follow-up is maintained by M.S.Ws. concerned for discharge or any other replated 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. Informany 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 Psychological rehabilitation.

L.T.M.G. Hospital's School for the Deaf : The M.P.S.M. Deptt. started the school of the Deaf in the year 1973 at the old barracks of our hospital. With 7 deaf children and one trained teacher. The expenses were sponsored by the Vivekanand Medical Mission.

In The year 1976, the School was shifted to the Municipal Primary School Building. Now we have 120 children. The staff includes 13 tenchers for the deaf, two part-time craft teachers for the deaf duputed by the Education department B.M.C. one teacher for Talloring sponsored by the donor, one Ayabhai and one sweeper.

TEACHING AND SUPERVISION :

a) Teaching medical, nursing and social work students.

b) student social workers come from training schools of social work for their field work experience. They usually have to put in 15 hours a week. They are given cases, group and projects to work with to gain given cases, group and projects to work with to gain experience, through case records and demonstrations, etc. They are taught social work practive and skills. An evaluation report is sent to their respective institutions on the basis of which the students are given grades in their field work. Passing in field work is compulsory.

c) **Orientation Lectures :** are given to the visiting groups form various training institutions of social work in hospitla and hospital social work.

d) N. S. S. volunteers are sent to the hospitals from Khalasa, Ruia, S.I.E.S. Potdar, B. U. Rual and S.I.N.S. College. 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.

P. & S. M. The report of the work done by the department of preventive and Social Medicine to be inluded 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-gradiates.
d) Practicals for undergraduates.
e) Tutorials for undergraduates.

B) - Lecures for Interns

C) - Lectures for Post Graduates 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

supplimentary feeding. In addition Audio-metric check up is done for screening for hard of hearing health educational talks are given by interns.

As a part of child to child programme child Volunteers are trained in various health aspects of 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	IInd Dose	IIIrd Dose	IV Dose	319
VI Dose	VIIth Dose	VIIIth Dose	IX Dose	

4. UNDER FIVE CLINIC :

Under five clinics 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 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 and Hospital compound and children are enrolled from 3 months onwards and are followed upto the age of five years.

6. MEDICAL RELIEF :

Adult pateients and children were examined and treated at Dharavi Urban Health Centre and Matunga Labour Camp. H. P. area. Those who need specialist's statement were referred to L. T. M. G. Hospital, T. T. and T. A. B. C. were givento 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 Communities adopted by P. S. M. Department.

SOCIAL SERVICES :

1.	**Community visits at Dharavi Slums :**		
	a.	M.L.C. Dharavi	161
	b.	Transit Camp Dharavi	209
	c.	Collecteral contactes for community	78
	d.	Health talks	236
	e.	Other communities	310
2.	**Community visit for Rome Programme :**		
	a.	Naik Nagar	24
	b.	Poiser	54
	c.	Kala Killa	24
	d.	Gautam Nagar	23
	e.	Collecteral contacts for community	
	g.	Health talks	31
	h.	Growth and Developments	36

3. **Aids provided for the Dharavi Slums Dwellors :**

A) Nutritional aid to children :-

I) C. R. C. - 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 nutritions type of diet including milk once a day. Average attendance at each clinic is round 45.

iii) feeding for affected children. A high protein Nutrition nack is being given daily to 25-35/ month.

B) Economic aid in terms of each - 15 beneficiaries.

C) Employment 20 women were provided with employment.

D) Referrals - Case work and followship in Hospital 403 cases.

4. **Other activities :-**

a. Literacy classes : Literacy classes are continued five times a week with the help of voluntary workers in five areas.

1) Ramabai Nagar 2) Indian Nagar
3) C.W.C. 4) Nityanand Nagar

b. **Sewing Classes :** Sewing classes are continued from Monday to Saturday at U. G. C. Ateacher is appointe There are 10 sewing machines donated by various agencies and 23 women are under training. Tests are arranged once in Six months and Certicficiates are issued to Sewing women. One in community also there.

c. Balwadies : 4 Balwdies are Kuchikorve Nagar and one each at Indira Nagar, Nityanand Nagar and Ambedkar Nager are continued. About 150 Children onrolled. Balwadi started at Ambedkar Nagar in 87 Oct.

d. Two Youth group have been organised in Dharavi area.

e. 1938 T. B. patients have been diagnosed in Dharavi Slum and being followed up regarding treatment. This programme had been started from August 1982

f. Health Check - up.

g. Income generating scheme.

5. **WORLD HEALTH DAY CELEBRATION :**

W. H. O. day was celebrated on 7th April, 1988.

The department of Preventive & social Medicine at LTMMC, Sion, Celebrated the World Health Days by organising an exbibition & seminar, at OPD building of LTMG Hospital, Sion, Bombay - 22. The posters were displayed on various aspects of immunizaction 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 69 children were immunised and were also advised to come for follow up.

The exhibition was dept open for public for 3 days i.e. on the 7th & 8the APril 1990 about 200 visited the exhibition. All the posters were explained to visiters by the staff of P. S. M. department, M. S. W. and student nurses.

I - **T. B. Clinic :**

This is conducted at Urban Health Centre, Dharavi. The Adult suspected cases of T. B. are

referred to Sion Hospital, for further investigation. So far 1938 cases are referred for investigation and they get their treatment at Urban Health Centre Dharavi. 586 children are treated at T. B. Clinic at Urban Health Centre Dharavi.

II - **Leprosy Clinic :** This is conducted at Urban Health Centre, Dharavi Thrice a week with the help of Bombay Leprosy Project. About 895 cases of leprosy are under treatment.

III - **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 cuts were included under this programme. The aim of this programme is to prevent juvenile deliguency 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 modeling, 4) T. V. repairing.

IV - **Family Welfare Clinic :** Every Tuesday and Friday 2-3 women under 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 1989. At this clinic the population is educated regarding small family norm daily.

V. **Special Training Schemes :**

a. Community health workers scheme. It is continued and regular training to a batch of women and refreshers training course is arranged for the group which is already trained.

b. Training of traditional birth attendants (DAIS) Two batches were already trained under the programme. Another batch of women is under training.

c. Training children - child to child programme. 49 children were given training on various aspects of health under this programme. One more batch is under training.

d. Training of Youth one.

Health Education Activities :

a. Routine health talk 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 aspects of Health are displayed.

c. Health education films are shown to the slum dwllors regularly.

d. 76 Nurtritional demonstrations are arranged at U. H. C. for mothers attending under five clinics.

Administration report of this institution.

I - ACTIVITIES AT URBAN HEALTH CENTRE DHARAVI :

The activities 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 Form

1. Medical Services :

Routine :- 1) Medical Relief for Adults & children
2) Immunisation clinic

3) Under Five Clinic
4) Ante - natal Clinic and Mother Graft Clinic
5) Family Welfare Centre
6) T. B. Clinic
7) Leprosy Clinic
8) Opthalmic Clinic
9) E. N. T. Clinic.

Nutrition and Horticulture :

1. Nutritional rehabilitation centre at U. H. C.
2. C. R. S. Feeding Programme at U. H. C.
3. Feeding programme for T. B. Children
4. Kitchen garden at U. H. C.

Health Education :

1. Talks
2. Group discussion
3. Exhibitions
4. Films and slide shows
5. Demonstrations
6. Role playing
7. Screen printing machine

Training Programme :

a. Training of Workers :
   i) Community health workers
   ii) Traditional Birth attendance
   iii) Child Volunteers
   iv) Youth group

b. Training Course :
   i) I. C. D. S. projects
   ii) Xerophthalmal Project

II - **Nutrition Rehabilitation Centre :**

The nutrition rehabilitation centre is run at the Urban Health Centre, Dharavi. About 49 malnourished children are fed nutritions 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 Daravi. In each Balwadi about 26 childrens are enrolled and given non-formal education, recreation and supplimentary nutrition.

IV - **Training of the Workers :**

a. Community health workers scheme. It is continued and regular training to the new batch of women and refreshers training course is arranged for the group which is already trained.

b. Traninings of traditional birth attendances (DATS). One batch of 5 was already trained under the programme.

c. Training of children child to child programme. 49 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 Immunisation are carried out in both the schools, supplementary feeding programme was extended to four Standards and 4000 children received supplementary feeding. In addition Audio-metric check- up, health education talks by interns, detection for rheumatic fever and prophylax for prevention of complications of rheumatic fever, child to child programme was carried out in Transit Camp group of school as well as at Cross Road group of schools.

As a part of child to child programme child volunteers are trained in various health aspeccts at Transit Camp School as well as at cross road school.

V - **Audio Vasual Slide Show :**

One audio-visual slide show on 'Importance of Immunisation' for Slum community in collaboration with Rotary Club of Bombay West.

Universal Immunisation Programme :

The department has adopted 3.5 lacs population (Slum population) for implementation of U. I. P. programme. This is one of theimportant National Health Programme. (Appendix-5).

AIDS Awareness Campaign

Aids awareness campaign was started for the adolescant youther on 28th July 89. Under this programme the adolescent youther of 13.22 years are selected studying in schools and colleges, Youthers enrolled in the youth clubs of Dharavi slums. Street Play by interns, slide Show and an elaboretion question answer session, each session os 2 1/2-3 hours. This compaign is conducted in the following schools.

Name of the School	Approximate No. of Students
1) Little Angless School (Sion)	272
2) J.B.Vacha School (Wadala)	180
3) M.M.P. Shah College (Kings Circle)	573
4) St. Antonys School	220
5) S.I.Es. College (Sion)	450
6) Ruia College (Matunga)	300
7) Convent School (Wadala)	150
8) St. Eaviers School (Wadala)	270
9) Youth Club of Dharavi	130
10) Municipal School Sion	350
11) Municipal School II (Opp. Sion Hosp.)	280

After a lapse of 8 weeks a test was carried out in the same children to assesss the impact of health education campaign the Little Angles School Children.

Nuses Training School :

RESULTS

Exam	Period	Appeared	Honours	Passed	Failed
Midwifery (R.N.)	Feb. to July 89	31	2	29	-
	Aug. to Jan. 90	37	7	30	-

Exam	Period	Appeared	Honours	Passed	Failed
Part II (old syllabi)	January 89	73	3	62	7
New Syllabi					
2nd Yrly	July 89	78	27	42	9
1st yrly	July 89	71	33	26	12
Part II (Old syllabi)	December 89	10	--	8	--
New syllabi					
2nd year	January 90	11	--	11	---
1st year	January 90	13	--	12	--

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 1990 stood at Rs. 13,73,177.42 collection from the boxes donations and other miscellaneous receipts during year amounted to Rs. 21,62,072.82 and expenditure through the Poor Box Charity Funds was Rs. 10,75,143.93. The total amount in the Fund as on 31st March 1990 stood at Rs. 13,73,177.42..

Special Facilities for Municipal Employees : Separate counters have been kept reserved at the Registration Department, Dispensary and afternoon OPD for the Municipal Staff. Fifty Percent consession is granted in paying bed scheme.

The sale of durgs & medicines for the benefit of patients have been started at this hospital through LTMM College & Hospital consumers Co-operative Society from the year 1976.

APPENDIX - I

RESULTS

PERIOD	EXAMINATION	APPEARED		PASSED		% OF PASSING	NAME OF THE STUDENT STOOD FIRST & TOTAL MARKS.
		Male	Female	Male	Female		
APRIL 1989	I. M. B. B. S.	15	14	11	8	65.5%	Sankpal Sushma D. 477/750
	II M. B. B. S.	61	62	39	44	80.4%	Naruukar Varsha G. 436/600
	III M. B. B. S.	22	26	8	17	32.1%	Chatterjee Nilesh S. 993/1500
OCTOBER 1989	I. M. B. B. S	54	48	37	37	72.5%	Singhani Hemangshi H. 598/750
	II M. B. B. S.	23	15	16	9	65.9%	Upasani Sunit V. 378/600
	III M. B. B. S.	44	56	24	47	70.3%	Dhaigude Alpana D. 1026/1500

Result of July 89 examination

	Appeared			Passed			Failed			Percent/ passing		Percent/ Fails	
	M	F	M	M	F	T	M	F	T	M	F	M	F
D. Medicine	6	2	8	0	0	0	6	2	8	100	100	100	100
Obst. & Gyn.	1	5	6	1	4	5	-	1	1	100	80	0	20
Pharmacology	-	1	1	-	1	1	-	-	-	-	100	-	0
Paediatrics	4	4	8	4	3	7	-	1	1	100	75	0	25
Skin & V. D.	-	1	1	-	-	-	-	1	1	-	0	-	100
Anaestheisa	2	3	5	1	3	4	1	-	1	50	100	50	0
Radiology	4	-	4	4	-	4	-	-	-	100	-	0	-
Pathology	-	5	5	-	4	4	-	1	1	-	80	-	80
Microbiology	1	-	1	-	-	-	1	-	1	0	-	100	-
M. S. General Surgery	6	1	7	3	1	4	3	-	3	50	100	50	0
Orthopaedics	5	-	5	-	-	-	5	-	5	0	-	100	-
E.N.T.	2	-	2	1	-	1	1	-	1	50	-	50	-
Ophthalmology	-	1	1	-	1	1	-	-	-	-	100	-	0
D. A.	1	8	9	1	7	8	-	1	1	100	88	0	12
D. V. D.	-	2	2	-	2	2	-	-	-	-	100	-	0
D. M. R. D. - I	1	-	1	1	-	1	-	-	-	100	-	0	-
D. M. R. D. - II	4	-	4	4	-	4	-	-	-	100	-	0	-
D. P. H. - I.	1	-	1	-	-	-	1	-	1	0	-	100	-
D. P. M. - I	1	-	1	1	-	1	-	-	-	100	-	0	-
D. P. M. - II	2	-	2	2	-	2	-	-	-	100	-	0	-
M. Sc. - I	2	13	15	1	11	12	1	2	3	50	85	50	15
M. Sc. - II	1	10	11	1	9	10	-	1	1	100	90	0	10
M. Sc. (Biochem.) By Research	1	1	2	-	-	-	1	1	2	0	0	100	100
M. Sc. (Micro) by Research	-	3	3	-	2	2	-	1	1	-	67	-	33
M. Sc. O. T.	-	2	2	-	2	2	-	-	-	-	100	-	0
M. Sc. P. T.	-	5	5	-	4	4	-	1	1	-	80	-	20
D. M. L. T.	-	1	1	-	-	-	-	1	1	0	0	-	100

APPENDIX I - B
RESULTS OF P. G. (ALL BRANCHES)
DEGREE AND DIPLOMA OF JULY 1989 TO JANUARY 1990.

SUBJECT	JULY 1989 APPEARED	PASSED	% OF PASSING	JANUARY 1990 APPEARED	PASSED	% OF PASSING
M. D. General Medicine	8	-	-	16	6	37.5
Obst. And Gyn.	6	5	83.3	5	5	100
Pharmacology	1	1	100	-	-	-
Paediatrics	8	7	87.5	7	3	42.8
Skin & V. D.	1	-	-	2	1	50
Anaesthesia	5	3	80	5	4	80
Radiology	4	4	100	3	2	66.6
Psychiatric	5	4	80	6	5	83.3
Microbiology	1	-	-	12	5	41.6
M. S. General Surgery	7	4	57.1	12	5	41.6
Orthopaedic	5	-	-	8	6	75
E. N. T.	2	1	50	2	2	100
Opthalmology	1	1	100	2	2	100
D. A.	9	8	88.8	5	4	80
D. V. D.	2	2	100	1	-	-
D. M. R. D. - I	1	1	100	-	-	-
D. M. R. D. - II	4	4	100	2	2	100
D. P. H. I	1	-	-	2	2	100
D. P. H. II	2	1	50	-	-	-
D. P. M. - I	1	1	100	2	2	100
D. P. M. - II	2	2	100	2	2	100
M. Sc. - I	15	12	80	-	-	-
M. Sc. - II	11	9	90	-	-	-
M. Sc. (Bio-Chem) by Research	2	-	-	-	-	-
M. Sc. (Micro) by Research	3	2	66.4	-	-	-
M. Sc. O. T.	2	2	100	-	-	-
M. Sc. P. T.	5	4	80	-	-	-
D.M.L.T.	1	-	-	10	7	70
D. M. Cardiology	-	-	-	2	1	50
M. Ch. Neuro Surgery	-	-	-	1	-	-
Thorasic Surgery	-	-	-	1	1	100
Urology	-	-	-	2	1	50
D. M. L. T.	-	-	-	10	3	30

APPENDIX I - C

PRIZES & AWARDS RECEIVED BY THE STUDENTS DURING THE YEAR 1989-90.

1. Dr. G. S. Ambardekar Prize for the year 1989-90 for standing Ist & 2nd in Ist - M. B. B. S.	1st Sanghani Hemanshi H. 2nd Gidadhubli Rajani R.
2. R. S. Tembe Prize for the year 1989-90 for standing Ist at final M. B. B. S. in Oct. 89.	1) Miss Dhayagude Alpana D.
3. Smt. Shantabai K. Rao Prize for the year 1989-90 for standing 1st in Medicine in final M. B. B. S.	1) Miss Shah Jayshree Nagindas
4. Dr. R. S. Damle Memorial Gold Medal in Medicine	1) Shri Vatsal Kothari 2) Miss Seema Khanolkar
5. Dr. B. R. Damle Gold Medal in P. S. M.	1) No Prize 2) Miss Nitya Gopinathan
6. Dr. G. M. Phadke Memorial Award in Surgery.	1) Shri Sanjay Garude 2) Shri Sumeet Mehta
7. Dr. G. M. Phadke Memorial Award in Pharmacology	1st Prize shared between 1) Shri D. R. Kulkarni 2) Shri Ganesh Shenoy
8. Dr. B. M. Bhargava Memorial Prize in Obst. & Gyn.	1) Miss Palep Manisha 2) Miss Mishra Neeti
9. Dr. Dr. B. M. Bhargava Memorial Prize in Anatomy	1) Shri Ashish Risbud 2) Shri Argakar H. G.
10. Dr. C. M. Gadre Memorial Prize in E. N. T.	1) No prize 2) Miss Keyuri Shukla
11. Dr. C. M. Gadre Memorial Prize in Physiology	1) Shri David Lobo
12. Dr. Athavale Prize in Paediatrics.	1) Miss Gauri Rajani 2) Miss Seema Khanolkar
13. Dr. Athavale Prize in Pathology	1) Shri Manoj Parulekar
14. Dr. V. R. Mehta Prize in Dermatology	1) Shri Sumit Mehta
15. Dr. Da. A. D' Souza in Psychiatry	1) Miss Gauri Rajani
16. Dr. Sathe Prize in Ophthalmology	1) Miss Shubhangi Dangi

APPENDIX - II

PAPERS READ AND PUBLISHED

DEPARTMENT OF MEDICINE	Dr. P. S. Menon	"Plasma Cortisol Values in Alcohol" paper read in API Conference held at Calcutta, in January 1989
		"Osteoposis" paper presented in symposium, International Update Symposium on disorders of Lumbas Spine in 1989.
		"Management of Myxdedema coma" presented symposium in ICCI Conference held at LTMGH in Nov.
		"Management of Diabetes Mellitus in Surgry Lecturer given in Recent advances in diabetes Mellitues.
	Dr. S. A. Nanivadekar Dr. C. K. Chauhan Dr. F. R. Billimoria	"Hepatid drug metabolizing capacity of patients of cirrhosis before & after clinicobiochemical recovery" paper publised in 1989.
	Dr. P. D. Sawant Dr. S. A. Nanivadakar, Dr. C. P. Shroff Dr. A. Shrinivas Dr. V. V. Dewoolkar	"Spontaneous regressopm of large gastric carcinoid" paper presented in 1989.
	Dr. S. A. Nanivadekar.	"Actiology & actiopathogenesis of acid peptic disease" paper read in C. M. E. 44th Annual Conference of A.P.I. Calcatta, in Jan. 23rd - 28th 1989.
		"Endoscopic sclerotherapy for portal hypertension" paper read in B.Y.L. Nair Hosp. & Medical College Deptt. of Surgical gastroenterology at 8th April 1989.
		"Actiology & actiopathogenesis of acid peptic disease, Advance, on Acid peptic disease, Advance on Acid peptic Disease" paper read at Gastroenterology Research Soc., Bombay in July 16, 1989.
		"Clinical manifestations, Investigations & medical management of Peptic Ulcer & non-ulcer dyspepsia" paper read in update of Gastroenterology IMA Gujarat and CGP Ahmedabad at 30th July 1989.
		"Gastroenterology Update, Therapeutic endoscopy" paper read in API Wardha, 10th September 1989.
		"Gastroenterology Update, Therapeutic

		endoscopy" paper read in API Wardha, 10th September 1989.
		"Recurrence of Peptic Ulcer associated with antral C. Pylori injection" read in Annual conference of ISGE Bangalore 5th-9th October 1989.
DEPARTMENT OF MEDICINE	Dr. S. A. Nanivadekar	"Investigations of AUGIH relative meritis & demerits" paper read at 1st National conference of Intigrated C of critically Ill 24-26th November 1989.
		"Aetiopathogenesis of Chronic ulcerative colitis Symposium on psychosamatic G. I. disorders" paper read at Gujrat Gastroenterology Soc. 17th Dec' 89 Baroda.
		"Role of Helicobacter Pylor in the genesis and recurrence of peptic ulcer" paper read at Baroda Medical Union, Baroda 17.12.89.
		"Role of campylobactor Pylori (Lelicobactor) in gastroduodenal disease. The state of Art" paper read at 22nd Annual Confernece of Indian Society of Pharmacology, Symposium on "Gastroduodenal diseases : Current thinking & future trends" read at Calcutta 29th-31st Dec. 1989.
	Dr. L. S. Bichile Dr. S. K. Bhalerao	"Clinical Approach Dyspepsia" paper published in the Indian Practitioner in March.
		"Clinical Approach : Dysphagia" paper published in March 1989.
		"Rapid diagnostic Test of Campylobacter Pylori infectice in patients of Gastritis, duodenal ulcer and Gestric ulcer" paper read at JAPI 89.
		"Association of campylobacter pylori with Gastritis, doudenl ulcer and Gastric ulcer A Perliminary Report of Dyspeptic patients."Dr. N. K. Hase
		"Haemodialysis & charcoal heremo perfusion in Acute poisoning." paper read in 1989.
		"Spectrum of Acute renal failure as seen at LTMG Hosp. paper read in 1989.
	Dr. N. K. Hase Dr. M. V. Manglani Dr. J. K. Chawla	"Renal failure in children our experience" paper read at first national conference on integrated care of critically ill at Bombay, LTMG Hosp.

	Dr. P. Marathe Dr. N. K. Hase Dr. J. K. Chawla	"H. I. V. infection in haemodialy sis patient", paper read at AIDS update at LTMG Hosp.
DEPARTMENT OF MEDICINE	Dr. N. K. Hase	"Laboratory assesment of renal dunction" paper read in department of pathology L.T.M.G. Hospital
	Dr. N. K. Hase	"Spectrum of ARF as seen at L.T.M.G. Hospital" paper read in the year 1989.
		"Haemodialusis and charcoal haemoerfusion in acute poisoning" paper read in the year 89
		"Renal failure in children" paper read in the year 1989, at 1st National conference on Integrated care of critically ill at L.T.M.G. Hospital, Bombay.
	Dr. S. Bhalerao Dr. L. S. Bichile	"Dysphagia - Clinical approach. I.P." published in the year 89.
		"Dyspepsia - Review artide I. P." paper published in the year 89.
		"Delto lepatitis - Review artice JAPI - Accepted" paper read at in the year 1989.
		"Spontaneous backerial peritoni is accepted by JAPI" paper published in the year 1989.
		"P. G. Clinic Review article-Reflux phagitis-" Paper published in Bombay Hospital Jaurnal.
	Dr. Bichile Dr. Bhalerao Dr. Prakash	"A case report - Enteric hepatitis - II. P." paper published in the year 1989.
DEPARTMENT OF SURGICAL	Dr. S. V. Nadkarni	"Symposium Organization of Critical care areas" paper published in ICCI conf. 1989.
	Dr. M. V. Bhatt	"Abdominal emergencies" paper published in ICCI conference in 1989.
	Dr. V. V. Dewoolkar	"Efficacy & safety of new parentaral amino acid infusion (Aminodrip) in high risk surgery during post op. cases" paper published in ICCI Conf. 89.
	Dr. S. V. Nadkarni	"Changing concepts in head injury" paper published in ICCI Conference in 89.
	Dr. A. Kelkar	"Tubeless tracheostomy in patients with severe head injury" Peper published in ICCI conference.
DEPATMENT OF SURGICAL	Dr. Masrani	"Role of hyperbaric oxygen in head injury patients" paper published in ICCI Conf.

	Dr. R. V. Rao	"Acute Urinart trauma experience at L.T.M.G. Hospital paper published in year 1989.
	Dr. M. A. Joshi	"Chest injuries" paper published in the year 1989.
	Dr. G. V. Acharya	"Abdominal trauma - Chairman paper published in 1989.
	Dr. Utture S. S.	"Management of blunt abd. trauma" paper published in the year 1989.
	Dr. V. M. Deshmukh	"Duodenal injuries in blunt abdominal trauma" paper published in the year 1989.
	Dr. (Mrs.) M. A. Gore	"Burns - Co - CHAIRMAN" Management of major burns "disaster" paper published in the year 1989.
	Dr. G. V. Acharya Dr. R. V. Rao Dr. A. Bradoo	"Study of bladder rupture following blunt adbominal truma, Indian practitioner Rupture of incisional herniacase report Indian Practitioner" published in the year 89.
	Dr. (Mrs.) M. A. Gore	"Burn injury in children" presented at Masicon 89 at Dhule.
	Dr. M. V. Lakshmy	"L. T. M. Coma scale" paper published in the year 1989.
		"Case report of Unusual presentation ca body pancreas ISG" Froster presentation G. E. Cong. Bangolore - Role of receptor Antagorut in prevention of GI fluid in trauma" paper presented in the year 1989.
	Dr. T. T. Changlani	"Co-chairman - Hall - C surgery & Anaesthesia" paper presented in ICCI Conf. 1989.
DEPARTMENT OF GYN & OBST	Dr. P. K. Shah Dr. Subhas Prabhu Dr. P. R. Vaidya Dr. A. R. Fernandez Dr. N. N. Munshi	"Neurobehavioral assessment versus" paper publised in the year 1989. Apgar acore in caesarean section babies published in 89.
	Dr. P. K. Shah Dr. S. Mokashi Dr. V. D. Patkar Dr. G. M. Niyogi	"Scar endometriosis" paper published in the year 89.
	Dr. M. A. Gadam Dr. Rajkumar Shah Dr. V. R. Badhwar Dr. P. R. Vaidya	"Chronic Inversion of uterus Journal of Federation of obst. & Gynacological Society of India" published in 89.
DEPARTMENT OF GYN & OBST	Dr. V. R. Ambiye Dr. G. Allhabadia Dr. A. M. Shanbhag Dr. P. R. Vaidya	"Heart disease in Pregnancy" paper published in J. Obstet. Gyn. India.

	Dr. V. R. Ambiye Dr. G. Allhabadia Dr. Anis Shaikh Dr. A. M. Shanbhag Dr. P. R. Vaidya	"T.E.N.S. for labour Analgesia" published in J. Obstet. & Gynec. of India.
	Dr. V. R. Ambiye Dr. C. Shroff Dr. A. M. Shanbhag Dr. P. R. Vaidya	"Simultaneous Colposcopy, Cytology & biopsy in cervical erosions" published in Journal of Obstet & Gynec.
	Dr. P. R. Vaidya Dr. J. S. Rege	"Diabetes in Pregnancy" published in Medical Practioner 1989.
	Dr. P. K. Shah	"Ultrasound Cephalometry in Indian Pregnant Women" paper present in 32nd All India Obstet. & Gynec. Congress at Mysore.
	Dr. P. K. Shah	"Femoral length measurement in pregnant women" presented at Madras on 11.2.89 at confernce on USG in clinical practice.
		"Teenage Pregnancy and Labour a comparative study of 1205 cases" presented in 9th World Congress of Juvenile & adolescent Gynec. & Obstetrics in Bombay.
		"preterm breech delivery" at annual conference of Bombay Obst. & Gynec. Soceity, 89.
		"Retained Placenta" presented in 1989.
		"Ovarian tumous in adolescenc and childhood" presented in 34th Annual confernce of All India Obstetrics & Gynaecological Soc. of India at Patna from 28th to 30th December 89.
	Dr. V. R. Ambiye	"Trans-cutanceous electrical nerve stimulation for labour analgesia" presented in Annual Bombay Obst. Gynec Conference. April 89.
		"Simple risk scoring system for High risk pregnancy" presented in Annual Bombay Obst. & Gyn. conference.
		"Colcoscopy, Cytology & colposcopy directed blosy for Screeing in Annual Bombay Obst. & Gynec. conference in April 1989.
DEPARTMENT OF GYN & OBST	Dr. V. R. Ambiye	"A study of Adolescent unmarried mothers" presented in international confernce of Juvenile & adole scent Gynec & Obst. in Feb. 89.

	Dr. R. S. Nagarkatti Dr. V. R. Ambiye	"Critical Care for Radical Ob. operations like Obst. Hysterectomy & rupture uterus" presented in 1st National conference on Integrated care of critically ill in Nov. 89.
	Dr. Varsha Mulick Dr. V. R. Badhwar	"Management of breech in labour" presented in Bombay Obstet. & Gynec. Society in 89.
	Dr. V. R. Badhwar Dr. Manik Kale Dr. R. H. Shah	"Why deliver in supine position" presented in Bio-monthly staff & research society meeting in 1989.
	Dr. V. R. Badhwar	"Management of PROM" presente in 1st UAE Gynaecology & Obs conference at Abudhabi.
	Dr. G. M. Niyogi	"Amenorrhoea & Genital Anomalies in Adolesence" presented in 9th World congress on Juvenile & Adolescent Gynaecology & Obstetric in Feb. 89.
	Dr. Gautam A. Dr. V. D. Patkar Dr. Amit Patki Dr. G. M. Niyogi	"Star Gazing foetus-A critical Re-apprisal over 15 yrs. presented in 17th Bombay Obs & Gynac confernece.
	Dr. S. Kore Dr. V. D. Patkar Dr. G. M. Niyogi	"Perinatal out come in breach review of 4 yrs. & comparison in years 1975-78 & 85-88.
	Dr. Manjusha Dangi Dr. G. M. Niyogi Dr. V. D. Patkar	"Cord prolopse in Breech" presented in 1989.
	Dr. Amit Patki Dr. V. D. Patkar Dr. G. Allahabadia Dr. G. M. Niyogi	"Foetal anomalies in Breech" presented in 89.
	Dr. Nitin Joshi Dr. S. N. Pandit Dr. P. K. Shah	"A Study of pre-eclamptic toxemia in pregnancy" presented in 17th Bombay Obst. & Gynac congress. in 17th Bombay Obst & Gynac. congress.
	Dr. Nalini Raman Dr. P. K. Shah	"Breech vaginal or abdominal delivery" paper published in 1989.
	Dr. S. N. Panit Dr. Malahar Dr. Chhabra	"Pattern of delivery in Rural Hospital" published in 17th Obst. & Gynac. congress.
DEPARTMENT OF PAEDIATRICS	Dr. M. N. Mehta	"Idiopathic Thrombocytopnic Purpura in children" proceedings of the National Symposium Cum workshop on Bleeding Disorders in Children.
	Dr. M. N. Mehta Dr. Lokeshwar M. R. Dr. M. Mangalani	"Idiopathic Thrombocytopenic Purpura in Children" published at Vidya Awar Ind. Jr. of Haematology in June 89.

	Dr. A. R. Fernandez	"Care of Newborns in developing Countries" paper presented in Seminor for Administrators Ext. Perinatal Programme.
		"Conservative Care of Newborn presented in Seminar Changin Trends in Neonatology.
		"Tharmo regulation in Newborns" presented in Seminor Changing Trends in Neonatology.
		"Bleeding in Neonate" Symposium on Bleeding disorders in Children.
		"Prevention of childhood Disabilities" paper presente in Symposium on Early intervention of Dev. Disabilities.
		"Neonatal aspects of Thyroid Disorders in Pregnancy" paper presented in Symposium on thyroid and pregnancy.
		"Scope of Breast Milk Banking in developing Countries" presented in Symposium of Breast Milk Banking.
		"Conservative Care in Neonate presented in National Confernce on care of the Critically ill.
		"Breast Milk Banking" presened in International workshop on Breast Milk banking.
		"Feeding of the LBW" present in International workshop on Lactation Management for Nurses.
		"Problems in feeding the sick baby" presented in International Workshop on Lactation management for Obstetrics.
		"Convalsions in the Neonate" published in special Issue Indian Pediatrics on Neonat Emergencies.
DEPARTMENT OF PAEDIATRICS	Dr. A. R. Fernandez	"Bleeding Neonate" published in Pediatric Clinics of India in Oct. 89.
		"Scope of Breast Milk Banking in Developing Countries" paper published in proceedins of International Workshop on Breast Milk Banking.
	Dr. Madhuri Kulkarni	"Early delection of developmental disorders in Children Bombay.
		"A Study of developmental disorders in a slum population of Bombay" published at Hong Kong 1989.

		"Community aspects of Pulm. TB in Children" presented in K.E.M. Hospital.
		"Mortality pattern in I.B.C. at L.T.M.G. Hospital, Bambay.
		"Contributed to certain aspects of "Understanding mental retardation and Genetic Counselling" published a booklet by T.I.S.S.,
	Dr. M. V. Manglani	"Askin-Rosai Tumour" "Acute Iron poisoning" "A preliminary report on outdoor thal. centre" presened 12th annual conference BHG in Feb. 90.
		"Extended Perinatal Care" presented in seminar for Pediatricians
		"Bleeding Disorders in Children, Protein C, Newer Insights into vit K, Management of Hemophilia" presented in National Symp. cum workshop in September 89.
		"Acute Renal Failure in children, Lead poisoning in children, Anemias in NIC presented in 1st National Conference on Nov. 89.
		"Lead poisoning in children, spectrum of anemias in critically ill neonate, Outdoor transfusion service presented in National Confernece - ISHBT
		"Lead poisoning in children, Incidence of various types Anemias in the Mahar Communty, Our experiencces in out door transfusion centre" presented in 267th National Conference of IAP held at Agra.
DEPARTMENT OF PAEDIATRIC	Dr. M. V. Mangalani	"ITP in children" published in Indian Journal of Hematology in 1989.
		"Iron overload in Thalassemic children" published in Hematology Oncology Chapter of IAP.
		"Red cell substitutes" publised in Hematology Oncology Chapter of IAP.
		"Management of Hemophilia" publication of Hematology Oncology Chapter of IAP.
		"Protein C-Current problems in Hematology - Oncology" publication of Hematology Oncology chapter of IAP.
		"Newer insights into VitK current problems

			in Hematology Oncology" paper published in Hematology Oncology chapter of IAP.
			"Hemophilia in Chaildren "PCI" bleeding disorders in children Part - I, published in 1989.
			"Congenital Factor VII deficiency" A case report - accepted for publication in Indian Journal of Hematology.
			"Askin Rosai Tumour" A report of 2 cases - Published in Indian Journal of cancer.
	Dr. Jayashree Mondlkar.	A.	"Setting up a Neonatal Care Unit" Presented at Seminar for administrators extended perinatal Care in April 89.
			"Fluid & Electrolyte Therapy in Newborns" Seminar on changing trends in Neonatology in June 89.
			"Fleeding Neonate" published in pediatric clinics of India Oct. 1989.
			"Brest milk Banking" published in Nov. 89.
	Dr. Radha Ghildiyal		"Newer Insights into Vit-K" current Pediatrics in Haematology publication of Haematology Oncology.
DEPARTMENT OF PAEDIATRIC	Dr. Radha Gulati		"Management of Haemophilia" current problems in Haematology, Public of Haemat.
			"Protein - C" current problems in Haemat. public of Haemat published in Chapter of IAP.
			"Newer Insight into Vit-K" Paediatric Clinics of India Bleeding disorders in chilren published in 1989.
			"Protein C" P.C.I. Bleeding disorders in children" published in Oct. 89.
			"Haemophilia in Children" Bleeding disorders in children part- I, published in October 89.
			"Storage of Breast Milk" An old concept Revisited proceedings of the "International Workshop on Breast Milk Banking" published in November 1989.
			"Neonatal Sepsis" at Symp. charging Trends in Neonatal Care" published in June 89.
			"Methods of storing Breast Milk suited to Developing countries" paper presented on 8th Sept. 89 at Symp. on Breast Milk Banking.

		"Newer Insights into Vit K" Lecture presented on 24th Sept. 89 at the National Symp. on Bleeding Disorders in children.
		"Storage of Breast Milk" paper presented at the XXVI National Pediatric Conf. held in Oct. 89.
		"Neonatal Surgical Emergences" paper presented at National Conf. on Integrated care of the Critically ill published in November 89.
		Storage of Breast Milk" at the Internatinal workshop on Breast Milk Banking" published in November 89.
	Dr. S. P. Toddywala	"Major Risk Factors for fatal Diarrhoea in Children" paper presented at 1st National confernece on Integrated Care of the Critically ill.
DEPARTMENT OF PAEDIATRIC	Dr. Toddywala S. P.	"Management of Hemophilia" current problems in Hematolo paper's publication of Hematology Oncology Chapter of IAP 1989.
	Dr. Lokeshwar Dr. Mamta Manglani Dr. Vidya Nigam Dr. Amit Nandi Dr. Shkuntala Rao Dr. Meenakshi Mehta	"Our experience in outdoor Thalassaemia Transfusion Centre" paper read at XXX annual National Conference of Indian Society of Hematology X Blood transfusion on held MKG Medical College Berhampur, Orissa on 1st, 2nd, 3rd Dec. 1989.
	Dr. Sushil Nkhate, Dr. M. R. Lokeshwar Dr. G. Kinjawadekar Dr. Vidya Nigam Dr. Meenakshi Mehta	"Incidence of Various types of anaemia in the Mahar Community."
	Dr. Shilpi Chabra Dr. M. R. Lokeshwar Dr. M. Mangalani Dr. A. Fernandez Dr. M. N. Mehta	"Spectrum of anaemia in critically ill neonates" papar read at XXX annual National conference of Indian Soceity of Haematology in Orissa.
	Dr. Indu Khosla Dr. M. R. Lokeshwar Dr. Radha Gulati Dr. S. P. Toddywala Dr. U. Kinjawadekar Dr. M. N. Mehta Dr. Madanlal Guaba	"Lead poisoning in children." paper read at XXx annual National confernece of Indian Society of Haematology X Blo Transfusion held MKG Medical College Berhampur Orissa.
	Dr. M. N. Mehta Dr. M. V. Manglani Dr Amit Nandi Dr. Radha Gulati Dr. Girish Deshpande Dr. M. R. Lokeshwar	"Acute Iron poisoning in children" paper read at XXX annual National Conference of Indian Society of Hematology X Blood Transfusion held MKG Medical College, Berhampur Orissa on 1st, 2nd, 3rd, Dec 1989.

		"Askin Rosai Tumor" paper read at 12th Annual conference of Bombay Hematology Group held at Tata Memorial Hospital.
		"Acute Iron poisoning in children" paper read at 12th Annual conference of Bombay Hematology Group held at Tata Memorial Hospital.
		"Briliminary report on outdoc Thalassaemia Centre" paper read at 12th Annual confere of Bombay Hematology Group held at Tata Memorial Hospital.
		"Management of Hemophalia" paper read at National conference on Bleeding disordens children held at LTMG Hospital on 23rd & 24th Sept. 1989.
		"Protein-C" paper read at National conference on bleeding disorders in children he at LTMG Hospital on 23rd & th Sept. 1989.
DEPARTMENT OF PEDIATRICS	Dr. A. R Fernandez	Extended Perinatal Care Programme Seminar for Administrators" Seminars and Conferences attended at L.T.M.G. Hospital.
		"Early Intervention Prevention & Treatment of Development Disabilities in children" Symposium held in LTMG Hospital on 12- 7-89.
		"Thyroid and Pregnancy" symposium held in LTMG Hospital on 10- 9-89.
		"Bleeding disorders in children" Symposium cum workshop held in LTMG Hosp. on 23, 24-9-89.
		"Breast Milk Banking" symposium in L.T.M.G. Hospital on 8-9-89.
		"Management and Breast Milk Banking for Nurses" International Seminar on Recent Advances in Lactation Held at Wadia Maternity Hospital Bombay, on 23-11-89 to 25-11-89.
	Dr. Madhuri Kulkarni	"Intervention in High Risk Care of metal retardation" held at Bombay on 25-2-89.
		"Childhocd in the 21st Century" International Conference on early education and development held at Hongkong in July, August 1989.
		"Occupational Therapy & Physiotherapy Modalities an Therapeutics approach" sympsium held at LTMG Hospital on 5-1-89.
		"Psychiatry in my practice" Seminar held at LTMG Hosp. on 23-2- 89.

		"Communication in Health Car Symposium held in Bombay on 18-8-89.
		"Breast Milk Banking" Symposium in Bombay on 8-9-89.
		"Integrated Care of Critical ill" National Conference held at Bombay on 24th 26th November 89.
		"Airway disorders and pulm T. B. in children" National seminar & workshop held in KEM Hospital on 12th, 13th November 1989.
DEPARTMENT OF PAEDIATRIC	Dr. M. N. Mehta Dr. M. V. Mangalani Dr. Amit Nandi Dr. Radha Gulati Dr. Girish Deshpande Dr. M. R. Lokeshwar	"Newer Insite in to Vit-K" paper read at National conference on Bleeding disorders in children held at LTMG Hospital on 23rd & 24th Sept. 1989.
DEPARTMENT OF ORTHOPAEDIC	Dr. A. Landi	"Thumb in Indian culture & overview of its importance paper published by Chappma & Hall Medical, London 1989.
DEPARTMENT OF PHYSIOLOGY	Dr. N. A. Dabholkar	"Acute pancreatitis and reduction of H+ion concentration in gastric secreations in experimental acutmyocarditis producted by Indian read scorpion venom" indian journal of experimental Biology.
		"Anatomy & Physiology for nurses" book published in Marathi in June 1989.
DEPARTMENT OF DERMATOLOGY	Dr. Kavita Makhijani	"Urethritis in males. A Clinical & Microbiological profile" paper read in the 17th National Conference of IADVL.
		"Effect of Friction & traum at the Saree waist ban paper read in the 17th National Conference of IAD.
DEPARTMENT OF MICROBIOLOGY	Dr. Lina Deodhar	"Mycoplasma Infection in genital tract with spedial refernce to Immunofluorese"
	Dr. K. Saraswathi	"Prevalence of E. Coli setorpes in 0-5 years age group paper presented in 38th IAPM conference held in Bombay.
	Dr. Uma Tendolkar	"A Microbiological Study of Mycetoma" paper read at S.R.S. meeting, LTMMC in Feb. 1989.
		"Occupational Infections in Hospital Personnel" paper presented in symposium for Silver Jubilee Year in July 1989. in LTMMC.
		"A Microbiological study of Mycetoma" paper read at Regional Chapter Conference

		of LAMM & IAPM hel at Nagpur in August 1989.
	Dr. Alka Gogate	"Mycoplasma infection in Genital Tract with special reference to Immunofluorese'"
DEPARTMENT OF MICROBIOLOGY	Dr. U. M. Tendolkar	"Vibrio albensis as a cause of post operative endophthalmitis" paper accepted for publications in Journal of Infection, London.
DEPARTMENT OF ANAESTHESIOLOGY	Dr. K. S. Jagger	"Pain relief after P.L.I.F. Surgery" presented a paper at the Neuro Surgeons Conference held at Goa in Oct. 89.
DEPARTMENT OF C. V. T. S.	Dr. A. P. Chaukar	"The role or Pentoxiphylin in treatment of periphera chronic occlusive artial disease" was published in the journal of General Medicine.
	Dr. Ajay Kaul	"Left ventricular EMF with Rheumatic Mitral Stenosis" for publication in Indian Heart journal.
		"Aneurysm of interventricslar septum has been sent to Indian heart journal.
	Dr. Mukherjee	"Corrected transposition of great arteries with VSD with PS with Dextro cardia in situs inversus for publication in Indian heart Journal.
	Dr. Ajay Jaul	submitted a paper on use urinary bag with unidirectonal valve for thoracic drain to Indian Journal of Thoracic & Cardiovascular Surgery.
DEPARTMENT OF BIOCHEMISTRY	Dr. N. D. Patil Dr. M. S. Phadke	"Proximate principle and energy content of milk in well nourshed mothers" a paper presented & published in Indian Paediatrics in Dec. 89.
	Dr. Kavita Dipnaik	"A cooking quality parameture as an indicator of Basmaty rice" paper pulished in the Journal of science of food and agriculture.
	Dr. K. V. Inamdar	"Determination of Urinary oxalate with disposable oxalate oxidase membrane" published in Analytical letters.
		"Acute Pancreatitis andReduction of H ion concen ration in Gastric Secreation in experimemt Acute Myocarditis Produced by Indian Read Scorpion Venu published in Indian Jour.
		"Hepatic Drugh Metabolyzir Capacity of patient of

DEPARTMENT OF BIOCHEMISTRY	Dr. K. V. Inamdar	Patient of Cirrhosis before and after clinica biochemical recovery, published in Ind. Physiol Pharma.
		"Bone Isoenzyme Alkaline phophatase in Middle Ear Effusions" A Pilot Study Proceeding of III conference on Cholesteatona and Masloid Surgery Copenhagen published in 1989.
		"Effect of Experimentally Induced thyrotoxicasis on Oxidative Energy Metabolis in Rat Heart Mitochondria" paper published in J. Biosciences.
		"Altered Kinetic Preperties of Rat Heart Mitochondria folling Experimental thyro toxicosis" published in journal Bioscience.
	Dr. K. V. Inamdar	"Urinary oxalate determination with oxalate oxidase immobilized on acrylamide membrane" published at 5th Scientific programme ACBI, Bombay.
DEPARTMENT OF CARDIOLOGY	Dr. G. R. Kane Dr. M. J. Gandhi	"Posterior fasciculr bloc A diagnostic dilemma, published in Indian Journal of Electrocardiology.
	Dr. D. B. Pahalajani Dr. J. A. Parikh Dr. A. D. Abhyankar	"Re-entry" published in Indian journal of electrocardiology.
	Dr. J. A. Parikh Dr. D. B. Pahiajani Dr. M. J. Gandhi	"Vignettes in Electrocardilogy-Techy-bradycardia syndrome" published in Indian Journal of Electrocardiology.
	Dr. A. D. Abhyankar Dr. N. S. Chonkar Dr. A. B. Mehta	"Vignettes in Electrocardiology Bradycardia dependent block"
	Dr. J. A. Parikh Dr. P. Sharma Dr. M. J. Gandhi	"Vigenttes in Cardiac care" published in Wenokech bloc.
	Dr. P. Sharma Dr. J. A Parikh Dr. M. J. Gandhi	"Laser in Cardiovascular disease" published in Indian Heart Gournal.
	Dr. M. H. Chawla Dr. R. R. Tahiliani Dr. J. A. Parikh Dr. D. F. Daruwala Dr. V. K. Shah	"Update Article" management of Hyperlipidaemia publised in JAPI in 1989.
	Dr. V. M. Vijayan Dr. J. A. Parikh Dr. D. B. Pahalajani Dr. A. B. Mehta Dr. M. J. Gandhi	"Pulsed doppler derived indices in predicting noninvasively pulmonary arterial pressures" published Indian Heart Journal

DEPARTMENT OF CARDIOLOGY	Dr. A. D. Abhyankar Dr. J. A. Parikh Dr. M. J. Gandhi	Torsade Depoints" - An ECG discussion" published in JAPI in 1989.
	Dr. J. A. Parikh Dr. P. Sharma Dr. A. D. Abhyankar Dr. K. K. Punamiya Dr. G. R. Painkane Dr. D.B. Pahalajani Dr. A. B. Mehta Dr. M. J. Gandhi	"Coronary arteriorgraphic feedings soon after Non Q wave mytocardial infaction published in Indian Heart Journal.
	Dr. D. K. Kumbla Dr. J. A. Parikh Dr. V. K. Shah Dr. M. J. Gandhi	"Prognistic significance at predischarge echocardiogrop after first transmural myocardial infaction" publised in JAPI in 1989.

CONFERENCE ATTENDED

DEPARTMENT OF SURGERY	Dr. S. V. Nadkarni (Chairperson)	"Symposium Organization of critical care areas"
	Dr. M. V. Bhatt (Co-Chairman)	"Abdominal emergencies"
	Dr. G. V. Acharya (Chairman)	"Abdominal trauma"
	Dr. (Mrs.) Gore M. A. (Co-Chairman)	"Burns" Management of major burns disaster.
	Dr. T. T. Changlani (Co-chairman)	Hall-C Surgery & Anaesthes attended ICCI Conf. 1989.
DEPARTMENT OF GYN. & OBST.	Dr. P. K. Shah	As a panel member in panel discussion on Infertility at 28th Annual Conference I.M.A. Maharashtra in 88 November at Ratnagiri.
		Co-chairperson in Miscellan ous Session during ninth World Congress on J.A.G.O. Bombay in March 89.
	Dr. G. M. Niyogi	Chairperson in one of the session of advances in Human lactation & breast feeding, at Devlali. in December 89. At advances in human lactation & breast feeding management.
DEPARTMENT OF PAEDIATRICS	Dr. V. B. Athavale	"Changing Trends in Neonata Care" for Pediatricians held in L.T.M.G. Hospital, Sion, on 23 & 24.6.89.
		"National Symposium cuworkshop on Bleeding Disorders in Children" held in LTMG Hospital on 23rd & 24 th Sept. 89.
		"Thyroid & Pregnancy" held in LTMG Hospital on 10.8.89

		"Integrated care of the Critically Ill" 1st National Confernece held in LTMG Hospital, on 24-26 th Nov.
	Dr. M. N. Mehta	"Pediatric Gastroenterology" organised by the Surat Branch of the Indian Acadey of Paed. on 5-3.89.
DEPARTMENT OF PAEDIATRICS	Dr. M. N. Mehta	"Clinical Efficancy of inactivated Polio Vaccine various Oral Polio Vaccine on Infants accine various fal" XIV International Congress of Pediatrics held in July 23rd to 28th 89 in Paris, France.
		"Bleeding Disorders in children" National Symposium cum Workshop held on 23& 24th Sept' 89 in LTMM College & LTMG Hospital, Idiopathic to penia in children,
		"Role of Dahi in the Management of of Acute Diarrhoea in Children" XXII nd Annual Confernece of the Nutrition Society of India held in November 10 & 11th 1989 in Trivandrum.
		"Convenor of the Symposium on organisation of the Critical Care" First National Conference on the Integrated Care of Critically Ill held in Nov. 24th - 26th' 89.
		"Guest Lecture Management of Poisoning in children" First National Confernece on the Integrated Care of critically Ill held in Nov. 24th - 26th ' 89.
		"Major Risk Factors for fatal Diarrhoea in children" First National Conference on the Integrated Care of Critically Ill held in Nov 24th-26th 1989.
		"Spectrum of childhool poisoning - 5 years Experience" First National Confernce on the Integrated Care of Critically ill held in Nov. 24 & 26th 1989.
		"Mortality within 24 hours of Admission - Clincopathological correlation" First National Conference on the Integrated care of Critically ill held in Nov. 24 & 26th 1989.
DEPARTMENT OF PAEDIATRICS	Dr. M. N. Mehta	"Bleeding disorders in children" a symposium held in LTMG Hospital, Bombay, in 1989.
		"Early intervention, prevention and management of developmental disabilities in children" a symposium held in LTMG Hospital, Sion, Bombay.

	Dr. M. V. Manglani	"12th Annual Conference of BHG" held in Tata Memorial Hospital on 4th, 5th Feb. 89.
		"Hemophilla workshop (ICMR)" held at KEM Hosital on 25th & 26th Feb. 89.
		"Seminar for Pediatricians" Extended Perinatal Care held in June 89 at LTMG Hospital.
		"Breast Milk Banking" seminar held on 8th Sept. 89 in LTMG Hospital.
		"Bleeding Disorders in children" National symposium cumworkshop held in LTMG Hospt. on 23rd & 24th September 89.
		"Psychiatry in my practice" symposium held on 23rd Feb. 89.
		"Early Intervention, prevention and Treatment of Developmentally Delayed Children" symposium held on 13th July 89 in LTMG Hospital.
		"1st National Conference on Integrated Care for Critically Ill" held on 24th to 26th November in LTMG Hospital.
		"International Workshop on Breast Milk Banking" held on 27th, 28th November 89 in LTMG Hospital.
		"Intergrated Care of Critically Ill" 1st National Conference held on 24th, 25th, 26th Nov. 89, held at LTMG Hospital.
		"Lead poisoning in children" XXX National Conferece-ISHBT held at Beheampur on 30th Nov. 1st & 2nd December 89.
		"Anemias in NICU" 1st National conference held on 24th, 25th, 26th Nov. 89 held at LTMG H.
		"Spectrum of anemias in critically ill neonate" XXX National confernce - ISHBT - held at Beheampur on 30th, Nov 1st & 2nd December 89.
DEPARTMENT OF PAEDIATRIC	Dr. M. V. Manglani	"Outdoor transfusion services" XXX National Conference - ISHBT held at Beheampur on 30th Nov. 1st & 2nd December.
		"Lead poisoning in children" 26th National Confernece of IAP - held at Agra
		"Incidence of various types of Anemias in the Mahar Community" 26th National Confernece of IAP held at Agra.

	Dr. Jayashree A. Mondkar	"Extended perinatal Care Programme" Seminor for Administrator at LTMG Hospital on 22.4.89.
		"Changing Trends In Neonatal Care" symposium for Pediatricians at LTMG Hospital, Sion, on 23 & 24-6-89.
		"Early Intervention Prevention and Treatment of Developmental Disabilities in Children" symposium at LTMG Hospital on 12-7-89.
		Bleeding Disorders in Children" National symposium cum workshop held at LTMG Hospital on 23rd & 24th September 89.
		"Thyroid & Pregnancy" symposium held in LTMG Hospital on 10.8.89.
		"Breast Milk Banking" symposium held at LTMG Hospital on 8-9-89
		"Integrated Care of the Critically ill" National Conference held at LTMG Hospital on 24th, 26th November 89.
		"Breast Milk Banking for Developing Countries" International Workshop held at LTMG Hospital, on 27th & 28th November 89.
	Dr. Kalyani Raghav	"Integrated Care for Critically ill" 1st National Conference held at L.T.M.M. College.
		"Changing trends in Neonatology" hel at L.T.M.M. College in June 89.
		"Seminar for administrators in Neonatology" held. in April 23rd 89 at L.T.M.M. College.
	Dr. R. N. Nanavati	"Integrated Care for Critically ill" 1st national conference attended.
	Dr. Radha Gulati Ghildiyal	"Psychiatry in my Practice" Symposium held at LTMG Hospital on 23-2-89.
DEPARTMENT OF PAEDIATRICS	Dr. Radha Gulati Ghildiyal	"Extended Periatal Programme" for administrators seminor held at LTMG Hospital on 22-4-89.
		"Changing Trends in Neonatal Care" seminar for Pediatricians held at L.T.M.G.Hosp on 24th, 25th, June 1989.
		"Early Intervention, Prevention and Treatment of Developmental Disabilities in Children" symposium held at L.T.M.G. Hospital on 12th June 1989.

		"Breast Milk Banking" symposium held at LTMG Hospital on 8.9.89
		"Bleeding Disorders In Children" National symposium cum workshop held at LTMG Hosp. on 23rd, 24th September 89.
		"XXVI National Pediatric Conference" held at Agra in Oct. 12th & 15 1989.
		"Integrated Care of the Critically ill" National conference held at LTMG Hosp. on 24th to 26th Nov. 1989.
		"Breast Milk Banking" international workshop held at LTMG Hospital on 27th & 28th November 1989.
	Dr. W. K. Kandoth, Dr. S. Puri Dr. S. P. Toddywala Dr. C. S. Wagle	"Extended Perinatal Care Programme" Seminar for Administrated at LTMG Hosp. on 23 & 24-6-90.
		"Early Intervention Preventic & Treatment of Development symposium held at LTMG Hospital on 12-7-89
		"Bleeding Disorders In Chidren" National Symposium cum workshop held at LTMG Hosp. on 23rd & 24th Sept. 89.
		"Thyroid & Pregnancy" symposum held at LTMG Hospital on 10-8- 89.
		"Breast Milk Banking" symposum held at LTMG Hospital on 8-9-89.
DEPARTMENT OF PAEDIATRICS	Dr. W. K. Kandoth Dr. S. Puri Dr. S. P. Toddywala Dr. C. S. Wagle.	"Integrated Care of the Critical ill" 1st National Conference held at LTMG Hospital on 24th-26th Nov. 89.
		"Breast Milk Banking for Deveioping Countries" International Workshop held at L.T.M.G. Hospital on 27th & 28th November 89.
	Dr. M. R. Lokeshwar	"BHG 4-5th Feb. 1989 the 13th annual conference was held at Tata Memorial Hospital Bombay.
		"Hemophella workshop held by I.C.M.R. at KEM Hospital, Bombay, on 25th & 26th Feb. 1989.
		"Bleeding disorders in children" National symposium cum workshop held at LTMG Hospital, Sion on 23, 24 Sept 1989.

		"Workshop on Hemogology Oncology on 10-12-Nov. 89 held at Tata Memorial Hospital, Parel.
		"Critically ill the 1st National Conference was held on 24-26 Nov. 89 at LTMG Hospital.
		"Indian Society of Hematology & Blood transfusion" XXX annual confernece held or MKG Medical College, Berhampur Orissa on 103 Dec. 1989.
		"XVII Rejestan Pediatric Conference, Udaipur Branch of IAP, held at RNT Medical College, Udaipur on 23-29 December 1989.
DEPARTMENT OF ORTHOPAEDIC	Dr. N. S. Laud	"Integrated Care of Criticall ill" 1st National Conference the dept. participated actively, senior professor delivered Lectures on Poly trauma, Management, Pelvic Fractures, practical demonstration course on skeletal external fixation was organised.
		"Traumatology, Madras, in collaboration with AO International Berne, as a facity member at the symosium on Operative Treatment of Fractures and Non unions Theoritical basis and practical principles, held in August.
DEPARTMENT OF ORTHOPAEDIC	Dr. N. S. Laud	"Failure of Treatment modalities in musculoskeletal injuries" symposium held under the auspices of Silver Jubilee Conference of Bombay Orthopaedic Society in December 1989.
		"The faculty of International symposium held under the auspices of Hong Kong Orthopaedic Association, at Hong Kong nominated by the A.O. International Berne, Seitzerland, in Sepetember 1989.
DEPARTMENT OF DERMATOLOGY	Dr. H. R. Jarajani	"Effects of friction & trauma of the sares waist band" IADVL national conference held in Bombay.
	Dr. K. Makhijani	"Clinical & Microbiological profile of urethritis in males" IADVL national confernce held in Bombay.
	Dr. S. D. Banerjee	"Erythema gyralum Repens with mastcell disease" IADVL national confernce held in Bombay.
	Dr. Rajan T. D.	"Erythema Elevaluna Diutinum" IADVL national conference held in Bombay.
	Dr. E. P. Fritscha	"Skin in Systemic disease" silver jubilee

		celebration held on April and at LTMG Hospital.
	Dr. Kavita Makhimani	"Urethritis in male, A clinical & Microbiological profile" papers read in 17th National conference of IADVL.
		"Effect of Friction & trauma at the Saree waist band" paper presented in 17th National conference.
		"Skin" Vacular reactions" participated in symposium of skin in systemic disease a departmental activity for celebration of Silver Jubilee Year of the College.
		"Our Post Graudate Education" written in Souvenier of XVIIth National Conference of IADVL.
		Co-Chairman of organising committee of XVII National conference of IADVL.
		Participated in round table conference in Acne in September 89 arranged by Practer & Gamble.
	Dr. H. R. Jarejani	"Perspectives in Dermatotistopa thology" symposium conducted by Prof. Martin Hihim Jr. Head Department of Dermatology at Harvard Medical School on 11-1 at Bombay Hospital.
DEPATMENT OF DERMATOLOGY	Dr. H. R. Jerajani	"XVII National conference of IADVL" symposium held in Bombay at Taj Mahal Hotel.
		"AIDS updates" symposium on 16th 17th September 89 at Physiology Lecturer Hall L.T.M.G. College.
		"Recent advances in STDS and AIDS" symposium held at BYL Nair Ch. Hospital.
		"Attended 18th National confference of IADVL, S.M.S. Medical College, Jaipur, Rajasthan.
		"Histopathology of Skin" attended symposium as a part of CME 18th Natiional Conference of IADVL SMS College, Jaipur.
		"Common fungal Infections of the skin" attended a symposium in Dermatology arranged by Bandra Medical Club, Bombay.
DEPARTMENT OF C.V.T.S.	Dr. A. M. Patwardhan	"Development of Homograft Bioprosthesia & its clinical use for mitral valve replacement" apaper presented in 9th Biennal Asian Con-

		gress on Thoracic & Cardivascular Surgery in Taiwan.
	Dr. A. P. Chaukar	"Homograft Bioprosthesis & its clinical was acepted for confernce of Cardio thoracic surgeons.
	Dr. A. P. Chaukar	"Integrated care of critically ill" was held in LTMG Hospital and Dr. Chaukar was Vice President.
DEPARTMENT OF ANESTHESIOLOGY	Dr. Pantvaidya S. H. Dr. L. D. Naik Dr. S. R. Jagtap Dr. Golam Dr. E. E. Udwadia Dr. Katrak Dr. Ray Dr. K. Pathak	"Advances in the management of acute lung insults" 1st National conference on the Integrated care of critically in organised as part of the Sliver Jubilee Celebrations of LTMM College.
		"Detection of brain death & its prevention" 1st National conference on the integrated care of critically ill organised as par of the Silver Jubilee Celebrations of LTMM College.
		"Blood component Therapy" 1st national confernce of the into grated care of critically ill organised as part of the Silver Jubilee Celebrations of LTMMC.
		"Evoke potential & its application" 1st National Confernce of the integrated care of criticaly ill organised as part of the Silver Jublee Celebrations of L.T.M.M. College.
		"Monitoring of critically ill patients" a symposium was attended.
	Dr. J. S. Kenkare	"Respiratory services in the critical care area" a symposium was attended.
	Dr. Pantvaidya Dr. K. S. Jagger Dr. P. P. Kadam Dr. H. R. Iyer	"The 38th Annual Conference of Indian Society of Anaesthetitsts (ISA) held at Manipal was attened.
	Dr. Golam Dr. K. S. Jagger	"Pain relief after PLIF surgery" paper presented at Neuro Surgeon conference held at Goa in Oct. 89.
	Dr. S. H. Pantvaidya	"Emergencies in the operation there" a symposium organised by the chembur Anaesthesists Association in April 89.
	Dr. H. R. Iyer	"Beta Blockers in relation to anaesthesia" a talk was given in Chembur Anaesthetists Assocition meeting in July 89.

	Dr. L. D. Naik	"Vecuronium" a symposium held at Bombay Hospital.
DEPARTMENT OF PHYSIOLOGY	Dr. K. R. K. Murthy	"2nd Asia-Pacific Congress on Toxinology" confernece held at Varanasi was attended on 19.2.89 to 21.2.89.
DEPARTMENT OF UROLOGY	Dr. W. B. Peell	"Carcinoma of prostate" symposion held in septembber was attended.
		"Annual conference of the Urological society of India" was attended at presented the paper.
		"International conference on Nephrourology (ICNU 89) was attened.
		"Association of Surgeons of Indi Varanasi" Annual conference was attended and presented the papers.

GUEST LECTURES

DEPARTMENT OF GYN. & OBST	Dr. A. C. Mehta	"Critical Care in Labour" lecturer was given.
	Dr. M. Y. Raval	"Management of Spetic Shock" Lecturer was given.
	Dr. V. R. Amblye	"DIC in Obstetric" lecturer was given.
DEPARTMENT OF ORTIOPAEDIC	Dr. Arther Steffee	"Spinal pedicular fixations State of Art" lecturer was given.
	Dr. Manohar Punjabi	"Understanding of biomechenl its applications in clinical assessment of lumbosacral disorders" have save a lecturer.
	Dr. Viktornava	"Ilizaroy's method of extern fixation of bones" have gave a lecturer.
	Dr. Nargolwala U. K.	"Newer methods of spinal stabilization" a lectuere was given.
DEPARTMENT OF DERMATOLOGY	Dr. A. G. Valia	"Recent Advances on clinical Investigative aspects of Darmatology" delivered a lecture by Jalgaon branch of IADVL Maharashtra in Nov.' 89.
		"Eczemas" as lecture delivered in Nasik in September 89 for Dermatological association.
DEPARTMENT OF PAEDIATRICS	Dr. M. N. Mehta	"Growth & Development in children" lectuere was given in IPPI- ICP Region of the family planning Association of India.
		"Control of Diarrhoea & CRT in Children" lecturer was given IPFI-ICR Region of the family planning Association of India.

	Dr. Kalyani Raghvan	"Nosocomial Infection in NICH a lecturer was given symposium on Nesocomial infections at the plenary session of Integrated Care of the Critically ill.
	Dr. M. R. Lokeshwar	"Clinical profile of hemopheli in India and its management" lecture was given in CME programme update in hematology under the auspices of XXX annual conference of hematoldgy and blood transfusion held at MKG Medical College Berhampur Crisan on 3 December 89.
DEPARTMENT OF PAEDIATRIC	Dr. M. R. Lokeshwar	"Thalassaemia Major an update" lecture was given in recent advance in pediatric XVKI Rajastan Pediatric conference and IV annual Pediatric conference Udaipur Branch of IAP & Silver Jubilee Celebration of dept. of pediatric RNT Medical College Udaipur on 23.25 Dec. 89.
		"Component therapy in neonatal infection CME programme organised by Harish-chandra Memorial Trust held at Nilofer Hospital autditorium Hyderbad.
		"Coagulation Mechonising and hemophalia CME programme organised by Bombay Hematology group at KEM Hospital, Parel, Bombay.
		"Coagulation defects in pediatric CME programme held under the auspices of National conference of Indian academy of Pediatric to be held at Bangalore on 31.5.89.
DEPARTMENT OF UROLOGY	Dr. Atul Shah	"Urological management of paraplgics in a collogium" lecture was given in working with paraplegics organised by Paraplegia foundation, India.
		"Carcinoma of prostate" a lecture was given in symposium.
DEPARTMENT OF BIOCHEMISTRY	Dr. Chitnis	"Drug intersection in cancer & its circumvention" lecture was given on 5th Scientific programme at ACBI Bombay Chapter on 19th December 89.
	RESEARCH	
DEPARTMENT OF MICROBIOLOGY	Dr. L. P. Deodhar	L.T.H.S.J.R. foundation Project, 'ELISA for Tuberculosis Meningitis."
		L. T. H. S. J. R. foundation project. 'A study of bacteris enteropathogens in patients with acute diarrhoea.'

APPENDIX III

STAMENT 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
	GYNAEC	--	36	--	--	36
	QBSTATRICS & PPM	--	120	--	--	120
	ENT - AURAL	14	6	10	--	30
	OPTHALMIC	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 & ObsteRics	--	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**

		ICMR project on 'A role of Gardnerella Vaginalis in NSV.
		LTHSJR project - Immunofluore scence in Renal biopsy.
		ICMR project : 'Isolation and identification of species of actinomycetes from clinical specimens.
DEPARTMENT OF C.V.T.S.	Dr. A. P. Chaukar	Stent mounted aortic Homogravalves & other conduits made in our laboratory were taken for use by cardiac centers a Pune & Madras besides their use in our department & other centres in Bombay like KEM Hospital. Nair Hospital & National Hinduja Hospital.
		Aortic homograft valves were tested at Wessex Laboratory England for accelerated fatitesting. The result of which has been very satisfactory.
	Dr. Mukherjee	Completed his study of auto transfusion of medlastinal blood.
	Dr. Chandrashekhar.	Completed his research work on vascular clamps.

APPENDIX - IV

DEPARTMENT WISH DISTRIBUTION OF ADMISSIONS AND OUTPATIENTS TREATED DURING THE YEAR 1988-89.

Sr. No.	name of the Department	In Patient		OUT PATIENT	
		1988	1989	1988	1989
1.	Medical	12424	12807	54494	40497
2.	Surgical	9303	11610	45806	39820
3.	Opthalmic	1372	2946	10497	9268
4.	Gynaec.	1440	1827	8295	8331
5.	Dental	NIL	NIL	8719	6639
6.	Skin	214	176	9319	7707
7.	E.N.T.	1818	1887	10077	10577
8.	Orthopaedics	3120	2946	17361	20883
9.	Psychistric	749	802	1966	1991
10.	Neuro Surgery	474	-	639	740
11.	Paediatric Medical	8294	8108	36290	22492
12.	Paediatric Surgery	1682	-	-	-
13.	Obstertics	10206	9741	8028	8683
14.	Plastic suergery	853	744	45	849
15.	Cardiology	1696	1638	593	593
16.	Cardio Vascular Thorasic surgery	316	-	510	219
17.	Urology	609	535	557	985
18.	Gastro-Intestinal	-	-	252	345
19.	Hematology	-	-	-	-
20.	Chest Clinic	-	-	-	84
21.	D. U. H. C. Medical	-	-	-	-
22.	D. U. H. C. Pead. Medical	-	-	-	-
23.	Remained on last day of previous year	1013	1080	-	-
	Total :	**55583**	**54892**	**213448**	**180563**

B) Results of the Treatment :-

Hospital	Expired	Cured	Relieved	Otherwise	Delivery
L.T.M.G. Hospital & Annapurnabai Deshmukh hospital for women.	4087	-	-	-	6152

c) Classification of deaths according to their time of Admission

Within 24 hours of Admission.	After 24 hours of admission but within 3 days.	After 3 days of admission	Total Deaths
1866	578	1643	4087

APPENDIX NO. V

Donation above Rs. 500/- from 1.1.1989 To 31.12.1989

Sr. No.	Rt. / Date No.	Name of Donar	Particulars	Amount Rs.
1.	38526/4.4.89	Bhojwani Trust	Inj. to pts	784
2.	38590/11.4.89	Parents of Deaf	For Deaf School	620
3.	42329/27.4.89	-"-	-"-	2564
4.	42352/28.4.89	Maitri Mendal	For Medicine	1700
5.	42362/29.4.90	P. P. Shenoi	P. B. F.	501
6.	43977/12.5.89	Parents of Deaf	Deaf School	830
7.	48051/6.6.89	Vittalnath Trust	Pt. Bade Alamali	600
8.	55455/26.7.89	Parents of Deaf	Deaf School	900
9.	62677/28.4.89	Manav Kalyan Kendra	Ortho. Pts.	1000
10.	65039/5.9.89	Rotary Club	P. B. F.	3000
11.	65035/7.9.89	Lions Club of Wadala	LTMG Tailoring Teachers.	2000
12.	65036/7.9.89	Lions Club of Wadala	-"-	2000
13.	74149/24.10.89	D. M. Chati	For Deaf Children	1001
14.	13782/	Wel Wishers	P. B. F.	1000
15.	21707/6.3.90	P. R. Venkateshwaran	P. B. F.	1025
16.	21718/9.3.90	Savicrary Lab. Pvt. Ltd.	P. B. F.	5000
17.	21765/30.3.90	Vittalnath Trust	Deaf School	4000
			Total :-	**Rs. 28525/-**

APPENDIX NO. VI

Daily Expenditure On Inpatients And Outpatients for the year

Year	Diet	Medicines Drugs and	Store and Linen Equipments	Miscell-aneous	Repairs to Bldg. and Maintae-nance	Establish-ment	Total
In-Patients							
1988-1989	7.86	24.66	8.69	15.06	9.19	128.83	194.29
1989-90	7.15	28.33	8.39	12.47	11.53	146.34	214.21
Out-Patients							
1988-89	-	4.33	1.52	2.64	1.61	22.61	32.71
1989-90	-	5.23	1.55	2.33	2.13	27.04	28.3

THE NAIR HOSPITAL DENTAL COLLEGE.

Proform:

Designation	Name of the Officer	Qualification	Period
Dean (Dental)	Dr. D. R. Shahani	M.D.S. M.B.B.S.(Eng.) F.I.C.F.	1-4-89 to 31-3-90

HIGHLIGHTS :- Dr. D. R. Shahani hold the post of Dean, Professor and Head of the Department of Conservative Dentistry during the year 1989-90 i.e. from 1.4.89 to 31.3.90. There was no occasion on which, the provision of 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 Detistry and fellow of International College and Dentist for his contribution in Dental Sciences. Dr. Shahani organised various national conferences through N. H. Dental College during the year and the participation of the staff and students of N. H. Dental College brought great honour to the Institution. All head of Departments took great interest in organising National Conferences in their own speciality which brought honour to the institution.

Dr. Shahani, Dean, being an 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 Dental Council of India to inspect different Dental Colleges in the country and advised the council and colleges in promoting Dental Education, research and patient care. Refresher Course in different specialities were conducted at N. H. Dental College 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 Departments of Prosthetics, Conservative Dentistry, Orthodontics, Pedodntics, Oral Surgery have 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 Institutions of the country and several Community Dental Health Education Programmes were organised through the department of Periodontics, Pedodntics in the slums of the city where, regular Dental Care facilities do not 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 organisations 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 :- 2,02,983 patients were treated in different departments of this Institution during 1989-90 and the daily average was 725 patients.

The income during the year under report received from the patients by way of charges for providing them treatment was Rs. 9,32,220/- inspite of free treatment provided to Municipal staff and their dependents as against the expenditure incurred as per budget provision under (IV - a) and (b) for purchase of dental materials, instruments and medicine was Rs. 9,99,012.94. In addition to the above income an amount of Rs. 4,10,836.49 was collected by way of admission fee, Library fee, tuition fee, Hosp. Prac., Printing, Prac. Physiology Hostel rent, rent of building, Microscope charges, Rent of Locker etc. Thus total revenue collected was Rs. 14,09,849.43 during the year under report.

The total Budget provision of Rs. 1,33,44,770/- was made in the Budget Estimates for 1989-90 for meeting the entire expenditure of this Institution including Establishment cost.

Student Section : University Examination Results.

Examination	Total No. of students appeared		Total No. of students passed.	
	April 1989	April 1989	November 1989	November 1989.
I B.D.S..	45	32	15	12
II B.D.S.	63	55	12	10
III B.D.S.	58	50	19	6
IV B.D.S. (Ist semester)	26	18	64	53
IV B.D.S. (IInd Semester)	51	49	14	12
Total	241	204	124	93
M.D.S. (Part I)	15	14	01	01
M.D.S. (Part II)	15	15	03	03
Total	30	29	04	04

The college conducts Dental Course four years' course in Dentistry leading to the Degres of Bachaler of Dental surgery and also post graduate course in 8 dental subjects leading to the degree of Master of Dental Surgery of the University of Bombay.

VISITORS :-

(1) Dr. Nichal Bree, Prof. & Hea of Periodontal Research Unit, University of Bonitoa, Canade; visited N. N. Dental College In February, 1990 and delivered a lacturs on the subject of 'The use of Oral Antiseption.'

(2) Prof. Chad Gehani visited this Institution from New York University, conducted and refreshers couuse in Endo for the Post Graduate students of this institution.

(3) Prof. Stephan Somson & Micheal Nichal Breax visited this institution and exchnged the ideas and education programme with the staff and students of this college.

HOSTEL :- 32 boys and 23 girls took advantages of the Nair Hospital Dental College Hostel which is loceted at building at Haji Ali, Mahalaxmi, Bombay.

LIBRARY :- During the year 109 books were added to the collection. There are 8814 books in the Library. Curently, the library subscribes about 60 periodicals titles, in addition to the complimentory periodicals and some college magazines. The library hold 287 dessertations. There are 1911 bound volumes of the Journal.

SPECIAL EQUIPMENTS : As regerds special equipments, the college has 155 Dental units and above chairs. Some of them fitted with most modern g like Mini Air Turbins, Eavo, West care make 32 members alengwith 18 Drff. W. Germany make Ai Compresscrs. 167 Dental Chairs, 80 Table Model Dental Engines, W & B Austrian and Japanese make for preclinical Laboratories.

Up-to-date Operation theatres with latest Dental Drilling Engines and Royle Apparatus III with circle ab ber etc. 3 Nos. Dentaply Cavitron Ulsraconic Scalers, U. make, 1 No. C8-78 Cryosurgical cystem Unit. There are 7 Dental X-Ray Units, viz, super Prectix X-Ray Unit, Siemens dingnestic X-Ray 'Klinescope' Unl X-Ray unit, Sie ns Heliodent - 60, Si Heliedent-70, Status X-Ray and Orthocoh 10 X-Ray unit, West Germany make has been added facilitats puncramic rediography.

The college also has J Porcelein furnace with Vacast Induction Castion Machine with relevant accassories and was added to produce porcoloin with bended metal restoration. Reseatly Vita Airc as well as Cardioncope with Recurder was edded.

All the Clinical Department of the College have renovated. Additions and alterstions have been carried cut. Certain Departments have been expanded to meet the patient's care. No. of beds in the indoor ward have been increased to 30. During the year, total 5,069 patients (2759 males, 1556 Females and 754 childrens = 5069). The college has been given uplift in introducing latest modern equipments, All the equipments put to function through repairs or by way of replacement.

The staff engaged for different services in this college are (1) Dental teaching staff - 90 (2) Para-Medical staff 40 (3) Medical teaching staff - 26 (4) Administrative staff 70, and labour staff - 151.

RESUME WORK DONE THE COLLEGE :- The total number of dental out patients treated in defferent clinics was 2,02,983/- including school children from various Municipal Schools in the morning as well as in the evening clinics which includes 1,03,429 males, 70,499 females and 29,055 children. In addition to the above patients, 9,195 patients were treated by the staff attached to the Community Mobile Dental service. The details of work carried out in different departments are given in the appendix A to L attached herewith.

During the year, 93 dental camps were arranged by this institution in different parts of Greater Bombay.

Dr. D. R. Shahani,
Dean,
Nair Hospital Dental College,

APPENDIX 'A'

Summary of yearly report of the clinical work from 1.4.89 to 31.3.90.

Sr. No.	Description	Total No.
1.	New patients	91,901
2.	Old patients	1,11,002
3.	Total patients	2,02,983
4.	Male	1,03,429
5.	Female	70,499
6.	Children	29,055
7.	Silver filling	11,543
8.	Root Canal filling	1,812
9.	Fixed bridge	--
10.	Inlays	136
11.	Jacket Crown	32
12.	Scaling	13,323
13.	Gingivectomy & gingivoplasty	219
14.	Extractions	37,259
15.	3rd molar impaction	411
16.	Surgical treatment for	
	a) Cyat	32
	b) Practure of	65
	c) Cold Well Luc	3
	d) Heminandibalcotomy & Ostectemy	35 + 8^{o} = 43
	e) Cleft palate	7
	f) Cleft lip	2
	g) Condylecomy	19
	h) Tumours	--
	i) Naxilectemy	1
	j) Plastic reconstructive surgery	28
17.	Transplantation of the teach	--
18.	Replantations of the teach	--
19.	X-Rays	19,109
20.	Fixed appliances for Orthodontic treatment	5,986
21.	Removal appliance for Orthodontic treatment.	4,294
22.	Full desture	9,089
23.	Partial denture	1,680
24.	Operation under C. A. cases	266
25.	Operations under L. A. Cases	194
26.	Extra Oral films	1,330
27.	Intra Oral films	13,995
28.	Occlusal films	280
29.	O. P. G.	1,731
30.	Total Collection	Rs. 14,09,949.43
31.	Free cases	22,654

X-Ray Films Accounts.

1.	Entra Oral films	13,955
2.	Extra Oral films $6^{1}/_{2} \times 8^{1}/_{2}$	1,330

Sr. No.	Description	Total No.
3.	Extra Oral films 8" x 10"	1,813
4.	Occlusal films	280
5.	O. P. G. films	1,731
6.	No. of patients Total :	15,129

APPENDIX - 'B'

DEPARTMENT OF MAXILLO FACIAL AND ORAL SURGERY

Yearly Clinical Report from 1.4.1989 to 31.3.1990.

1.	New patients	1,183
2.	Old patients	4,226
3.	Total patients	5,409
4.	Male	2,695
5.	Female	1,899
6.	Children	615
7.	Check-up done	1,963
8.	X-Rays	1,057
9.	Sutures removed	196
10.	Dressings	143
11.	Teeth ext	632
12.	wiring	109
13.	Blood urine exam	348
14.	Abscess Omcose	28
15.	Alveolectomy	10
16.	Apicectomy	18
17.	Biopsy	160
18.	Bone Graft	3
19.	Bilateral ankyloss with rib graft	17
20.	Cyst	16
21.	Clusure of oroantral fistula	2
22.	Curettage of E. O. sinus	2
23.	Caldwell luc	3
24.	Codylectomy	19
25.	Curettage	5
26.	Division of D.P. ilep	2
27.	Ext. of supernumaray	6
28.	Excision of epulis	6
29.	Exploration of soft tissue	2
30.	Exploration	14
31.	Exploration	3
32.	Ext. & Curettage	8
33.	Surgical Ext.	92
34.	Fracture	65
35.	Frenectomy	3
36.	Mexillectomy	1
37.	Heaimandibulectomy	8
38.	Mandibalectomy	3

Sr. No.	Description	Total No.
39.	Neurectcay	17
40.	Ostectosy	35
41.	Repair of cleft palate	7
42.	Repair of Mare lip	2
43.	Repair of the lip	1
44.	L. A. Cases	194
45.	G. A. Cases	266
46.	Bone plate removal	10
47.	Clant cell epusil	1
48.	Enucleation of tumour	1
49.	Excision of Perpheral gran	1
50.	Excision biopsy of (R) mandibuier lymphmode	3
51.	Multiple Ext.	2
52.	Silastic chin Amplentation	2
53.	Ranula enucleation	1
54.	Excision Angiomatess lesion	1
55.	Excision of Poly Moss	1
56.	Excision of White paterns	1
57.	Excision of superficial parafoid glend	1
58.	Excision of lesion (R) rehalitation	1
59.	Lignation of Facinl & Ligusl artary	1
60.	Compound Odene	2
61.	Mondibic Sequestrectemy	1
62.	Suprephycid on buceal with funche neck dirsection	4
63.	Genioplasty	4
64.	Rhinoplsty	1
65.	Ca mandible	10
66.	Ca maxilla	4
67.	S. M. F.	9
68.	Cs mandibulectcmy	2
69.	D. N. S.	2
70.	Ncquestrectomy	2
71.	Catycailitis	7
72.	Ca lip	2
73.	Ca chack	1
74.	Amelobisstoms	2
75.	Removal of K wire	2
76.	Free	259

APPENDIX 'B'

DEPARTMENT OF EXODONTIA

Clinical yearly report from 1.4.1989 to 31.3.1990.

Sr. No.	Description	Total
1.	New patients	19,285
2.	Old patients	20,470
3.	Total patients	39,755

Sr. No.	Description	Total No.
4.	Male	23,474
5.	Female	16,281
6.	Biopsy	41
7.	Consultation	6,331
8.	Prescription	4,826
9.	Teeth Ext.	29,406
10.	G. A. Ext.	Nil
11.	X-Ray film	1,541
12.	Curettage	9
13.	Abscess incise	50
14.	Alveolectomy	108
15.	Flushing	8
16.	Flap removed	14
17.	Impacted third molar	411
18.	Suture removed	605
19.	Excision of Epulis	2
20.	Dressing	87
21.	Cyst operation	16
22.	Apicocetomy	6
23.	Frenectomy	2
24.	Scar revision	3
25.	D.A.F. Closure	8
26.	Exts and sinus dianage	7
27.	Archban fixed	2
28.	Wiring	1
29.	Exploration	4
30.	Surgical exposure	1

APPENDIX 'C'

DEPARTMENT OF ORAL ANATOMY, HISTOLOGY, ORAL PATHOLOGY AND MICROBIOLOGY

Clinical yearly report for the period from 1.4.89 to 31.3.90

Histopathology Department

Sr. No.	Particulars	Total
1.	Pathology Biopsy	72
2.	Srugical Biopsy	319
3.	Total No. of Biopsy	395
4.	No. of Paraffin blocks	691
5.	No. of teeth and emhryo Blocks	25
6.	Recutting of blocks	100
7.	Total No. of blocks	791
8.	Total No. of Paraffin slides	2,664
9.	Total No. of slides routin stained	691
10.	Total No. of special stained slides	25
11.	Total No. of slides prepared	3,580
12.	Total No. of Slides	3,580
13.	Total No. of ground sections	50
14.	Total No. of dry speciments prepared	2

15.	Total No. of Museum specimens prepared	15
	Haematological investigations	
1.	No. of Haemaglobin	2,314
2.	No. of bleeding time	2,205
3.	No. of clotting time	2,205
4.	No. of W. B. C.	2,110
5.	No. of white cell morphology	2,110
6.	Erythrocyte sedimentation rate	80
	Biochemical investigation	
1.	Blood sugar	200
2.	Serum alklaline phosphatase	1
3.	Serum cholesterol	2
4.	Serum electrolyte	-
	Serological investigations	
1.	V. D. R. L.	69
	Bactriological investigation	
1.	Culture & Sensitivity	20
2.	Aspirated fluid	65
	Urine investigation	
1.	Urine sugar	2,116
2.	Bile salt & bile pigment	2,116
3.	Microscopy Examination	1,989

APPENDIX - 'D'

THE NAIR HOSPITAL DENTAL COLLEGE , BOMBAY-8.

DEPARTMENT OF ORAL DIAGNOSIS AND RADIOLOGY

Details of Radiographs taken and report during the year 1989-90. from 1.4.1989 to 31.3.1990.

Month	Intra Oral	Extra oral $6^1/_2$ x $8^1/_2$	Extral Oral 8 x 10	Osclecal	O.P.G.	No. of Patiensts.
April 89	1036	96	127	18	97	932
May 89	897	112	156	8	106	1022
June 89	1287	111	211	23	194	1302
July 89	999	177	181	18	202	1192
August 89	1219	114	180	25	149	1425
September 89	1147	94	158	18	99	1241
October 89	1016	101	99	13	116	1141
November 89	1191	126	158	21	150	1238
December 89	1241	150	42	16	178	1434
January 90	1480	100	237	18	162	1666
February 90	1201	69	157	14	154	1250
March 90	1241	80	107	16	121	1329
Total	**13955**	**1330**	**1813**	**280**	**1731**	**15129**

APPENDIX 'E'

DEPARTMENT OF PERIODONTOLOGY.

Clinical report from 1.4.1989 to 31.3.1990.

Sr. No.	Description	Total
1.	New patients	9069
2.	Old patients	14,795
3.	Total patients	23,894
4.	Male	15,884
5.	Female	7980
6.	Children	--
7.	Medication	111
8.	Consultation	8750
9.	X-Rays	408
10.	Scal. (Incomp.)	8901
11.	Scal. (Comp.)	3800
12.	Free	513
13.	Curattage	162
14.	Gingivectomy	219
15.	Free	41
16.	Flap Surgery	226
17.	Pack removed	110
18.	Occl. Adj.	24
19.	Acute inf.	-
20.	Frenectomy	14
21.	Abscess drained	3

APPENDIX 'F'

DEPARTMENT OF OPERATIVE

Clinical yearly report for the period from 1.4.1989 to 31.3.1990.

Sr. No.	Particulars	Total
1.	Old patients	29,344
2.	New patients	3,459
3.	Total patients	32803
4.	Male patients	16717
5.	Female patients	16086
6.	Consultation	5872
7.	Medication	2709
8.	Cutting & Zone	7501
9.	Ag. filling paid	6440
10.	Ag. filling free	1229
11.	Total Ag. filling	7669
12.	Silicate filling paid	486
13.	Silicate filling free	59
14.	Total Silicate fillings	545
15.	Inlay paid	111

Sr. No.	Particulars	Total
16.	Inlay free	25
17.	Total inlay	136
18.	Full crown paid	487
19.	Full crown free	166
20.	Total full crown	653
21.	Jacket crown paid	567
22.	Jacket crown free	90
23.	Total Jacket crown	657
24.	Root canal filling paid	1371
25.	Root canal filling free	276
26.	Total Root canal fillings	1647
27.	Root canal dressing	4766
28.	Pulpotomy paid	74
29.	Pulpotomy free	38
30.	Total pulpotomy	112
31.	Apisectomy paid	56
32.	Apisectomy free	7
33.	Total apisectomy	63
34.	Dowel crown paid	78
35.	Dowel crpwm free	8
36.	Total Dowel crowns	86
37.	Composite fillings paid	84
38.	Composite fillings free	24
39.	Light cured paid	8
40.	Light cured free	-
41.	G. I. C. filling paid	288
42.	G. I. C. filling free	100
43.	J. C. Gold backing paid	8
44.	J. C. Gold backing free	-
45.	Blood test	40
46.	Urine Test	-
47.	Zinc phosphate cement filling	77
48.	Handing over X-Ray films to a patients	30
49.	I. O. X-Rays paid	5,947
50.	I. O. X-Rays free	1164
51.	Total X-Rays	7111
52.	Certificates	2
53.	**AMOUNT COLLECTED**	**Rs. 1,75958/-**

APPENDIX 'G'

ORTHODONTIA DEPARTMENT.

Clinical yearly report for the period from 1.4.89 to 31.3.90.

Sr. No.	Description	Total
1.	New patients visited	1,547
2.	Old cases under treated	12,383
3.	Total cases visited	13,930

Sr. No.	Particulars	Total
4.	Fixed appliances adjustment	5986
5.	Removable appliances adjustment	4294
6.	Myofunctional appliances	2103
7.	Male patients	6754
8.	Female patients	7176
9.	Record collected (for new patients	996
10.	New cass atentted	706
	i) Fixed appliences	140
	ii Removable appliences	566
11.	Cases to be treated with charges	538
12.	Cases to be treated free	168
13.	Cases completed	131

APPENDIX 'H'

DEPARTMENT OF PEDODONTIA.

Yearly clinical report for the year 1989-90.

Sr. No.	Description	Total
1.	R. C. fillinge	165
2.	Ag. fillings	3874
3.	Pulpotozees	221
4.	Extractions	7221
5.	Apioaostomies	22
6.	Habit breaking appasnec & partial denture	34
7.	Treatment under G. A.	54
8.	Medications	1071
9.	X-Rays	870
10.	R. C. (Dressing)	911
11.	Bino Oxide Eugenool temporary restoretione	2626
12.	Glace fillinge	11
13.	J. C. Cuttings & Jneket crown	58
14.	Staialees steel crewne	12
15.	Denture deliverd	19
16.	Dewel J. C.	16
17.	Gold Grown	16
18.	Total No. of patients Treated children = General + School	23154
19.	--	--
20.	Scalling & polishing	622
21.	New patients	7420
22.	Old patients	15734
23.	Total	23154
24.	Children	23154

APPENDIX 'I'

DEPARTMENT OF PROSTHETIC & CROWN & BRIDGE.

Clinical yearly report for the period from 1.4.89 to 31.3.90.

Sr. No.	Particulars	Total
1.	New patients	3146
2.	Old patients	12790
3.	Total patients	15936
4.	Male patients	10332
5.	Female patients	5604
WORK DONE:		
6.	Consultations	3146
7.	Complete denture	980
8.	Partial denture	1398
9.	Over denture (Partial)	14
10.	Imm. Partial denture	3
11.	Repair of denture	323
12.	Cast crown	78
13.	Dowel Crown	1
14.	Jacket crown in acrylic	25
15.	Obsturators	12
16.	Relining of a dentute	20
17.	Acrylic splint	1
18.	Maxillo facial Prosthesis	1
19.	Feeding plates	1
20.	Bridges (2 units)	2
21.	Bridges (3 units)	185
22.	Bridges (4 units)	18
23.	Bridges (5 units)	11
24.	Bridges (6 units)	4
25.	Bridges (7 units)	1
26.	Bridge (8 unit)	1
27.	Mary land Bridge (3 units)	16
28.	Mary land Bridge (4 units)	6
29.	Mary land Bridge (5 units)	1
30.	Mary land Bridge (6 units)	1
31.	X-Ray	200

FREE WORK DONE IN THE YEAR:		Total
1.	Complete denture	109
2.	Partial denture	282
3.	Imm. Partial denture	3
4.	Over denture (Partial)	1
5.	Repair of denture	61
6.	Cast crown	17
7.	Jacket crown in acrylic	4
8.	Relining of a denture	6

9.	Obturator	1
10.	Feeding plate	1
11.	Bridge (3 units)	55
12.	Bridge (4 units)	3
13.	Bridge (5 units)	3
14.	Bridge (6 units)	1
15.	Bridge (8 units)	1
16.	May land Br. (3 units)	8
17.	Mary land Br. (4 units)	1
18.	X-Rays	46

APPENDIX 'J'

COMMUNITY DENTISTRY.

Clinical yearly report for the period from 1.4.89 to 31.3.90.

Sr. No.	Month	Total patients	Total camps
1.	April 1989	33	1
2.	May 1989	No. camps.)	Van under
3.	June 1989	No. camps.)	repair
4.	July 1989	296	8
5.	August 1989	364	13
6.	September 1989	1046	16
7.	October 1989	693	10
8.	November 1989	598	4
9.	December 1989	1803	8
10.	January 1990	1447	13
11.	February 1990	975	7
12.	March 1990	1950	13
	Total	9195.	93

APPENDIX 'K'

Scientific publication papers and Research work conducted

OPERATIVE DEPARTMENT :

1. Dr. D. R. Shahani & Dr. Shishir Sing	"Antibacterial Efficacy of different Irrigants in root canal Therapy"	Published in the Journal of Edodontics.
2. Dr. D. R. Shahani Dr. Patil Dr. Kamat	"New Chemotherapeutic & bactericidal agents for Endodontic use" a comparative invive Study"	Accepted for publication in the journal of Endodontics
3. Dr. D. R. Shahani Dr. Barfiwalla	"An invitro study Evaluation of the PH changes in the surrounding periapical medium by two root canal sealers."	
4. Dr. D. R. Shahani	"Comparative evaluation of Bond strength between Glass Ionomer cement and composite resins after various surface various surface treatment" - An invitro study"	

ORAL DIAGNOSIS & RADIOLOGY:

5. Dr. B. K. Parekh	"Generalised Fibrous Hyperplasin of Gingiva"	Presented Scientific paper on 44th Indian Dental conferens held at Calcutta from 27th to 30th Dec. 89.

DEPT. OF MAXILLO-FICIAL & ORAL SURGERY:

6. Dr. J. N. Khanna Dr. P. G. Nadkarni	"Ostcoaarcoma of mandible a case report.	Scientific paper presented at the 15th AOMSI conference at Indore on 16th & 17th Dec. 1989.
7. Dr. J. N. Khanna Dr. Nanda Pal	"Pyknodystosis a case report	
8. Dr. J. N. Khanna A. M. Nalladaru	"Gold denhar anydrome" a case report	
9. Dr. (Mrs.) N. A. Malik Dr. Nanda Pal	"Angiliomyoma of mandiple a case report.	
10. Dr. J. N. Khanna Dr. (Mrs.) N. A. Manik Dr. Onitonde	"Unilaterial condyler hyperplesia."	Scientific paper presented at the 15th AOMSI conference at Indore on 16th & 17th Dec. 1989.
11. Dr. J. N. Khanna Dr. G. A. Kelkar	"Miniplat cotecsynthesis of mondibulor fractures."	-- do --
12. Dr. J. N. Khanna Dr. (Mrs.) N. M. Andrade	"Nemifecial hypertophy. report of 2 cases Int. J. Oral Max Surg. 1989 18 : 294-97	Publication

PERIODONTIA DEPARTMENT :

13. Dr. I. R. D' Silva.	Title of paper "Treatment planning in periodontics."	Prescated a peper at the XIV National conference of Indian Society of Periodonbtology Held at Indotal Manor House, Indore on 23,24,25 Feb. 1990.
14. Dr. P. K. Bhambhani.	"Current surgical techniques for halting recession".	-- do --
15. Dr. Kothare N. K.	"Nifedipine Induced gingival hyper plasin."	-- do --

DEPT. OF PEDODONTIA:

16. Dr. (Mrs.) S. G. Sujan Dr. (Mrs.) S. D. Deshpande	"Access for the Handioapped"	Organised by National Institute for Phyaically Handicapped.
17. Dr. S. G. Damle	"Pluorides : best weapon against dental caries; Under the P. M. plan of 'Pure Brinking Water Mission."	Presented at Jodhpur on 15th Sep. 89 during the round table conference of I.O.M.R.'s Dosert Medical Research Centre
18. Dr. S. G. Damle	"Review of role of fluoride toothpeate in preventing dental caries	Indian studies presented by Dr. Damle at Indian Council of Medical reseach's Head unrtars, New Delhi : on 24th April, 1990.
19. Dr. S. G. Damle	One of the a ere on symposium on Plucrides - Used abuses	Held at Calcutta on 24th Dec., 1989 during the 11th I.S.P.P.P. Conference.

DEPARTMENT OF ORTHODOTICS:

20. Dr. Maishedh Parikh	"Harly Dental Treatment" "Narly Orthodontic Trestment"	45th Maharashtra State Dental Conference. I.D.A. - Lonavala Jan. 1990.

DEPARTMENT OF PROSTHICS CROWN & BRIDGE:

21. Arranged a ceramic orebridge coarse for the staff members and Technicians of Prothetic & crown & bridge dept. & Operative dept. in Sept. 1989. by Mr. Heis Kurg.

22. Vita aromat venearing atyeton was installed in the dept. and already pationts have been given veneering orowns.

DEPARTMENT OF ORAL PATHOLOGY & MICROBILOGY:

1. Dr. A. P. Bhatt.	"Desmoplnstic fibroma" report of a case dentol dialague. Dental dialague. Vol. 114 No. 4 1989.	
24. Dr. A. P. Bhatt Dr. (Mrs.) V. R. Brave Dr. (Mrs.) L. G. Poonja	"Tranmatic Seuroma"	under publication Indian Dental Aesoolation

25. Dr. A. P. Bhatt Dr. (Mrs.) V. R. Brave	"Angiolomyoma"	Under publication Indian Dental Aesoolation
26. Dr. S. P. Bhatt.	"Chest" image in panorasic dental rediography J.I.D.A. Vol. 60, No. 12 Pg. 246, Dec. 1989	-- do --
27. Dr. A. P. Bhatt Dr. R. P. Shetty Dr. M. D. Shringarpure	"Surgical Cilated Cyst".	Under publication Journal of Indian Dental Association.
28. Dr. A. P. Bhatt Dr. L. S. Poonja	"Focal Epithelial Hyperplasia" (Hock's disease) report of a case.	under publication.

DESERTATION:-

Dr. Jagruti J. Lodaya : A clinico pathological study of oral tuberulosis and determination of Zin Clevels in teeth of tuberculous patients. (April 1990)

Dr. Venkata Subramanyam R. : Electromyographic and Histopathologic study of muscles (Masseter and buccinator) in oral submucous fibrosis.

Dr. Marrianne D. Correa : 'Odontogenic Kerato cyst' A study of 54 cases with special emphasis on inflammation.

Dr. Bakha Gharegrat : "Evaluation of a tissue conditioner A clinical and histopathological study.

Dr. D. S. Belur : "Changes in the electrical activity of the masseter and orbicularis oris following dix months of treatment with the Frankel Appliance - An Electromyographic investigation.

Dr. K. G. Malaney : "A Cephalometric appraisal of the vertical growth and treatment changes with the low bite Activator use in the Correction of Glass II, Division 1st Malocclusion.

Dr. Vivek D. Soni : "Changes in the Electrical activities of the masseter and orbicularis oris muscles on insertion of the Bionator An E.M.G. Study.

Dr. Malav R. Mahadevia : Ophalomettice Analysis - mandibular growith prediction between 9-13 group by Ricketts Analysis.

Dr. Sujata Bhakta : Compauson of Jouñaceesol and gluta soldehyde pulpotomeese,

Dr. Pupal Shah : Estimation of serum glycoprotein (Protein bound hexose, hexosamine, fucose and sialic acid) an serum alboumin levels in paients with oral wquamous cell carcinoma.

Dr. Subremani A. V. : Sialochemistry a diagnootic soda in the oral component of sjogren's syndrome.

Dr. Hevovi D. Sanjana : Determination of the ondogeous nitrodation capacity of tobacco chewers (with and without leukoplekin) and non-tobacco chewers.

APPENDIX 'L'

SURGICAL DEMONSTRATION : By Dr. J. N. Khanna on 14th December, 1989.

(1) Condylar Fracture - A new post-remal surgical approach

(2) Excision of a large ameloblastoma involving body & (L) remus of mandible and reconstruction with illiac crest bone grafting.

ORATION lecture on rehabilitation of tempero-mandibular joind ankylosis by Dr. J. N. Khanna on 15th December, 1989 at 15th AOMSI conference at Indore.

AWARDS :

(1) Dr. B. C. Roy Award through the hands of the President of India in the month of December 1989.

(2) Most Prestigious Jhulelal Award presented on 27.3.90 for rendering services in socio-medicl science.

(3) Award from the International College of Dentists for the services in socio-medical field.

(4) Award from the Lion's club of Andheri on 25.3.90

(5) Dr. K. S. Banga, Lecturer, was awarded the "Best Scientific paper award" for his paper "Effect on steroids on Apical Seal" at the 6th Annual Conference of Federation of Operatie Dentistry of India, held at Manipal in February, 1990.

(6) Best Scientific Paper Award was won by Dr. Nanda Pai at the 15th AOMSI Conference at Indore on 16th and 17th December, 1989.

(7) Dr. C. V. Lakshmi M.D.S. Part-I P. G. Student has received the following awards.

(i) P. V. Diwanji's rotating trophy for Best all round student.

(ii) Menino D'Souza best student award at N.H.B.C.

(iii) Awards, Prizes, Scholerships for securing highest eggregnts marks in the IV B.D.S. exam held by University of Bombay in April, 1989.

(a) Late Dr. Shamsunder Prize.

(b) Dr. Indumati Jheveri Award.

(c) Dr. R. B. Vacha memorial scholarship

(d) P. P. Shahani Award.

(e) Silver Jubilee Award.

(f) Reksha Dharia Award.

(h) Alumini Asscoistion Award - Dr. V. N. Desai gold medal.

(i) Prize for secuing highest marks in subject of Prosthotic Dentistry.

(a) Dr. Jimmy Dubash Prize.

(b) Dr. Nirza award from International college of entists.

(c) Alumini award - Dr. P. V. Diwanji Cral Surgery Medal.

(9) Dr. S. T. Talim Operative Medal for highest marks in Conservative Dentistry.

(10) Dr. K. V. Hormozdi Rediology medal for accuring highest in subject of Oral Dingnosis and Rodiology

(11) Prizes to P. C. Students from Dept. of Periodontolomy.

(i) Dr. Ravi Sapra : 1. Medical welfare trust, prises for oral medicins, diagnonis and radiology.

(ii) Dr. Langalia Medal for Oral Maxillofacial Surgery (Oct. 1980)

(iii) Mrs. S. K. Peatheky medal for perfodontology Surgery (Oct. 1988)
(These prizes were all for the year 1900 bat were awarded to his is 1989.

Best student award delivered by Medical Welfare Trust one for male and one for female:
Male prize awarded to : Mr. Gupta Aracb Kumar
Female Prize awarded to : Miss. C. V. Lakshmi
Best student award of Nair Hospital Dental College awarded to : Miss C. V. Lakshmi.
Dr. Neki Histry Gold Medal for 1989 - awarded to Kum. Sonali Khandekar for securing sighent no. of Marks in Orthodontion at final S. P. S. Examination held in April 1989.

Other Awards :

(1) Plaque award of International College of Dentistry, New Delhi awarded to Mr. Aracb Gupta.

Conference Attended : 11th Annual Conference of Indian Society of Pedodontics & Preventive Sentistry held at Calutta on 23rd and 24th Dec. 1989 attended by Dr. M. G. Dagle, Dr. (Mrs.) S. G. Sujan & Dr. (Mrs.) S. D. Deshpande.

(2) Conference on "Access for the Sandicapped" organised by National Institute for Phyciolly Handicapped.
This conference attended by Dr. (Mrs.) S. G. Sujan & Dr. (Mrs.) S. D. Deshpande.

(3) Warkshop on Paediatric nursing Care, attended by Dr. S. G. Damle, also one of the organising committee members.

(4) Dr. S. G. Damle, Dr. (Mrs.) S. G. Sujan & Dr. (Mrs.) S. D. Deshpande are still continuing as Gen. Secretary, Assistant Sererary, Assistant Treasurer respectively for I.S.P.P.D.

(5) Dr. A. P. Bhatt was given a guest lecture on 8th & 9th Nov. 1989 for Dept. of Dental Sergery, Institute of Medicl Science, Banarao Hindu University, Varanasi.

(6) National Seminor-cum Workshop on Pediatric nursing care, from 15th to 17th April 1990 at P.S.M.C. Auditorium

Topic : Oral Pathology in pediatric narsing care. attended by Dr. A. P. Bhatt.

Dr R. P. Shetty, attended onsepathology workshop conducted by the Tata Mesorial Hospital.

NEW ASSIONMENTS :

Took over as President, Federation of Operative Dentistry of India for the year 1990 at the 6th Annual Conference of P.O.D.I. at Na in February, 1990.

A couse on Endodonties by Dr. Chad Gehani, and Endodontiet from U.S.A. was conducted for the staff of Operative Department of N. S. Dental College, during the year under report.

HONOURS :

Dr. S. G. Damle appoinied as Export Member (Consultant) of Indian Council of Medical Research, to review the research project on Oral & Dental Health, the 1st meeting was hold on 14th Dec., 1989 Dr. Damle attented the same.

GROUP OF T. B. HOSPITALS, SEWRI

ADMINISTRATIVE REPORT OF TUBERCULOSIS SERVICES AND GROUP OF T. B. HOSPITALS, BRIHANMUMBAI MAHANAGAR PALIKA 1989-90.

High-lights of the year 1989-90.

I. The services aim at the following objectives:

1. To ensure proper and effective control over the working of the various anti-TB motivities conducted by the several agencies in Brihanmumbai Mahanagar Palika limits 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 existance 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 Suburban for implementation of the City Tuberculosis Centres in the different areas of the City and Suburbs for implementation of the City Tuberculosis Programme in collaboration with the State Govt. Municipal Medical Institutions and several Voluntary Organisations.

Besides these Area Tuberculosis Centres, 62 Upgraded Dispensaries have been adopted as the Treatment Centres, where anti-TB Drugs including Inj. Streptomycin and other drugs are given free to the patients residing in that vicinity.

II. Expenditure :

		Rs.
1.	Total Expenditure	96,69,938
2.	Amount spent on In-patient	76,02,221
3.	" " Out-patient	20,67,717
4.	Average cost per day on -	
	i) In-patient	32.25
	ii) Out-patient	7.53

III. Significant Activities :

1.	Scheduled Bed Strength	996
2.	Admissions	8,437
3.	Daily average of In-patient	646
4.	Out-patient at Clinics	15,337
5.	Operation carried out	
	i) Major	24
	ii) Minor	212
6.	Health visits paid	6,787
7.	Patients covered under CTP	36,799
8.	Patients under treatment at Municipal Centres.	80,223

The Group of T. B. Hospitals is administered by the Medical Superintendent, Dy. 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 TB Clinic, Samaldas Gandhi Marg, Bombay-2.
4. Municipal TB Clinic, Balaram Street, Bombay - 8.
5. Municipal TB Clinic, Nawab Tank Dockyard Rd., Bombay - 10.
6. Municipal TB Clinic, Khar, Bombay - 52.
7. Municipal Sub-TB Clinic, K. B. H. K. Bhabha Hosp., Kurla, Bombay - 70.
8. All Municipal General Disps. and TB Sections in Gen. Hospital (City & Suburbs, Extended Suburbs)..
9. Voluntary Organisation (No. 9) who function as ATCs.

The classification of the total bed strength at G. T. B. Hospital is as under :

G. T. B. Hospitals	Male	Female	Total
Medical	590	180	770
Surgical	66	20	86
Cardiac	44	16	60
Non-TB	60	20	80
	760	**236**	**996**

After discharge, 3806 patients attended the hospital for follow- up.

G. T. B. Hospitals :

From Previous Yr.	New admission.	Total	Cured	Other wise.	Died	Remained at the end of the yr.
629	8437	9066	6239	693	1315	819

Statistical data revealed the high incidence in the age group of 35-40 years. Ratio of death of total patients treated was 14.5%.

Municipal TB Clinics :

Cases directed by TB Clinics are examined at Group of TB Hospital, Sewri and these needing admission are admitted to these hospitals.

Name of the Clinics.	No. of Pts.	T. B. Cases.	Non-TB Cases.
1. R. D. T. B. Clinic, Dadar	8031	3084	4947
2. Samaldas Gandhi Marg TB Clinic.	5817	1930	3887
3. Balaram Street TB Clinic.	7648	4100	3548
4. M. M. Munshi TB Clinic, Khar.	6400	3351	3049
5. Nawab Tank TB Clinic, Dockyard.	2349	822	1527
6. Sub-TB Clinic at Bhabha Hospital, Kurla.	2332	2050	282
TOTAL :	**32577**	**15337**	**17240**

From the year 1989-90, in addition to treatment of Pulmonary TB Cases, the department of Non-TB Chest.

Diseases has started funcioning on OPD level. Total 193 patients attended the P. F. L. OPD and

282 patients attended the follow-up OPD after investigation during the year. These patients are provided the medicine from this hospital. The work of purchasing of the necessary eqipments has new completed. as soon as the equipmments are received.

Poor Box :

Collection of the hospitals is utilised for the benefit of the Poor and needy patients and the incidental expenses. Amount of Rs. 83,363.73 was collected for the Poor Box Charity Fund of the hospitals and Clinics during the year.

Teaching :

Dr. A. P. Rao, MSGTB and Dr. R. C. Pandhi, Physician (F. T.) being Post-graduate Teachers in M. D. (TB & Chest) attached to G. S. Medical College & K. E. M. Hospital, they are regularly getting Post-graduate students to work under their guidance. They are also taking regular lectures for P. G. Students. The Group of TB Hospitals is already 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. The Clinical instructions are imparted to under-graduate students of L. T. M. M. College, Sion in regular batches for two weeks period.

City Tuberculosis Programme :

The Brihanmumbai Mahanagar Palika have stablished the City Tuberculosis Programme (CTP) in the Mumbai City on behalf of the State Govt. with the free assistance from Central Govt. in form of Anti-TB drugs and MMR X-Ray rolls. The programme is conducted by the Medical Superintendent, Group of T. B. Hospitals and Dy. Exe. H. O. (NP) and Executive Health Officer. For active implementation of programme the whole City of Bombay has been divided into 3 zones (i) City, (ii) Western Surburbs and (iii) Eastern Suburbs. 31 Centres (including 5 TB Clinics under M. S. G. T. B. and 5 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 62 Centres (Municipal General Disps. and Urban Health Centres of 3 Medical Colleges) have been entrusted with the drug distribution consisting of the most modern and effective drugs like Rifampicin which are known to cure the disease within the course of 6-9 months total by M. S. G. T. B. with the assistance of Medical Officers of TB Clinics and Assistant Health Officer (TB) and the staff consisting of 4 TB Inspectors, 89 Treatment Organisers and 15 Health Visitors. This staff is engaged for case findings, case holding and 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. Hospitals
B	2.47	1,47,313	Nawab Tank Mun. TB Clinic, Dockyard, Bombay.
C	1.79	2,70,705	Samaldas Gandhi Marg Mun. 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 Hosp., Bombay.
F/S	10,5879	7,93,991	R. D. T. B. Clinic Dadar.
F/N	10,559		O. H. T. c. TB Clinic, Sewri. E. S. I. S. Hosp., Worli.
G	18.84	9,82,992	P. S. M. Centre, Dharavi.

Ward	Area Sq. Km.	Population	Name of the A. T. C.
H	25.8	7,06,838	M. M. Munshi TB Clinic, Khar Maharashtra Lokkhit Seva Mandal. Mun.. Gen. Hosp., Santacruz.
K	43.0	9,20,002	M. N. Cooper Hosp., Juhu, Vile parle.
L	13.0	4,34,007	Bhabha Hospital Kurla Sub-TB Clinic.
M	62.19	5,66,000	MAA Hospital, Chembur. Centenary Hosp., Govandi.
N	39.0	4,47,364	Rajawadi Hosp., Ghatkopar. Barve Nagar Gen. Hosp., Ghatkopar.
P	74.83	6,69,396	Malad Gen. Hosp., Haji Bapu Rd., Malad (E).
R.	82.73	5,61,916	Bhagwati Hosp., Borlwli (W) Centenary Hosp., Kandivli(W)
T	41.44	2,22,555	M. T. Agarwal Mun. Gen. Hosp., Mulund (W). Mulund Gen. Hosp., Mulund (E).

Every Area Tuberculosis Centre (A. T. C.) is staffed a Medical Officer, Health Visitor and 2 to 3 TB Investigators (Treatment Organisers) and some members of the lower staff. Out of 30 Area Tuberculosis Centres, 9 have MMR X-Ray machines/other X-ray machine equipments and Pathology Department and remaining are having X-ray and/or Screening machines and 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 services 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	7930	8437	Due to introduction of system of Rationlisation, only emergency patients are admitted.All other patients are directed to nearby ATC. for treatment.
2.	Operation	350	261	
3.	Follow-up examination	5000	3806	
4.	Patients kept on Waiting List.	150	46	
5.	X-rays :			
	(a) Mass Miniature	25,000	19,148	
	(b) Big plate	3,600	2,488	
	(c) Screening Exam.	200	140	
6.	Pathology :			
	(a) Blood	10,000	8,757	Pathology tests are done as and when required.
	(b) Sputum	50,000	39,012	
	(c) Urine	7,600	7,186	
	(d) Stools	200	135	
	(e) Histopathology	350	150	
	(f) Sensitivity Test	3,500	3,257	
	(g) Pleural Fluids & Biochemisty.	8,000	12,163	
	(h) Blood Bank	1,700	1,493	
	(i) Serology	150	228	

TABLE NO. 2

1.	No. of New T. B. Patients Interviewed	:	20,166
2.	No. of repeaters interviewed by Treatment Organisers.	:	1,09,468
3.	No. of home visits paid by Treatment Organisers & TB Inspectors at the residence of the patient.	:	38,003
4.	No. of close contacts contacted	:	35,930
5.	No. of close contacts referred to TB Clinic for detection and treatment.		12,908
6.	No. of close contacts who attended TB Clinics.	:	6,072
7.	No. of positive cases detected from the referred contacts.	:	1,205
8.	Defaulter I) Total No. of Defa-ulters	:	26,482
	II) No. of defaulters brought on regular treatment.	:	11,542
	III) No. of defaulters yet to brought on regular.	:	14,940
9.	No. of persons who have undergone BCG Vaccination.	:	1,413
10.	No. of School Children who have under TB Treatment.	:	1,820
11.	No. of TB patients noted from I. D. R.	:	279
12.	No, of contacts referred to clinic from I. D. R.	:	389
13.	No, of Laboratory Examination done at Municipal General upgraded Disp.		
	a) Blood (E. S. R.)	:	9,219
	b) Urine	:	17,002
	c) Sputum	:	6,742
	d) Screening	:	10,611
	I) Positive	:	943
	II) Negative	:	9,668

(Dr. A. P. Rao),
Medical Superintendent,
Group of T. B. Hospitals.

GROUP OF T. B. HOSPITAL, SEWRI

Programme Workload Summary of T. B. Clinic

1989	R. D. T. B. Clinic Dadar		Samaldas Gandhi Marg TB Clinic		Balaram Street TB Clinic.		M. M. Munshi TB Clinic. Khar.		Nawab Tank TB Clinic.		Sub-TB Clinic Bhabha Hosp., Kurla		Remarks
	Target	Target	Target laid down.	Target achive-ved.	Target laid down.	Target achive-ved.	Target laid down	Target achive ved.	Target laid down.	Target achive-ved.	Target laid down	Target achive-ved.	
I - OUTDOOR CASES													
a) TB Cases.	4500	3084	4500	1930	7100	4522	6000	3351	1300	822	2900	2050	* X-ray machine was our of order for more than 4 months
b) Non-TB Cases	11500	4947	3500	3887	4100	3548	5500	3049	2500	1527	800	282	
II - X RAYS													Pathological Examination are done as and when required.
a) Mass Miniature	25500	18604	17000	* 5147	12000	10715	11800	* 7794	6200	3156	Shown under RDTB		
b) Big plate	250	324	—	—	250	254	200	11	300	180	Clinic, Dadar		
III PATHOLOGY													
a) Blood Exam.	850	542	1300	-	200	9	-	-	-	-	-	-	
b) Sputum	13500	11647	3600	2819	9500	7040	11600	9650	5200	4270	4000	3221	
c) Urine	-	-	-	-	600	345	-	-	-	-	-	-	
IV HEALTH VISITING	1550	1664	3000	2074	1500	1108	800	502	1500	736	800	703	

(Dr. A. P. Rao),

Medical Superintendent,
Group of T. B. Hospitals.

BRIHANMUMBAI MAHANAGARPALIKA
SETH A. J. B. MUNICIPAL E. N. T. HOSPITAL

HIGH LIGHTS

			Rs. - p.
I - EXPENDITURES :			
A)	1.	Total expenditure including liabilities	54,17,059=00
	2.	On In-Patients	36,11,372=60
	3.	On Out-Patiens	18,05,686=30
	4.	Amount Collected from POOR BOX FUND.	62,215=85
B) AVERAGE COST :			
	1.	Per In-Patient per day.	118.94
	2.	Per Out-Patient Attendance	18.39
II - RESULTS :			
A)	1.	Scheduled Bed Strenghth	100
	2.	Daily Average In-Patients in Wards	44
	3.	Admissions including those brought over previous year. (4100+24)=	4124
	4.	Patients Discharged	
		(i) As Cured	4094
		(ii) As Unchanged	8
		(iii) Left against Medical Advice	22
		(iv) Expired	NIL
		(v) Remained in hospital on the last day of the year.	30
	5.	Highest number of admissions on a single day. (16th April 1990)	27
	6.	Average stay of the In-Patients. (in days)	7.36
B)	1.	Patients (New)	62,028
	2.	Daily Average of Out_Patients (New)	207
	3.	Out-Patients. (New & Old)	98,171
	4.	Daily Average of Out-Patients Attendance-	328
	5.	Highest number of attendance on a single day. on 6th September, 1989 (New-324-Old-189) Total =	513

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 Strenghth of the hospital is 100. Total 3,607 number of operations were performed on In-Patients.

The following investigations were performed in **Pathology Department** in the year 1990 (Jan. to Dec.).

(A) CLINICAL PATHOLOGY	28,245
(B) BIO-CHEMISTRY	1,688
(C) HISTO-PATHOLOGY	813

In **Radiology Department** 4,467 patients came for X-Rays. 9,924 X- Rays were taken. And 6057 Films were used for X-Rays.

An **Audiology and Speech Therapy** Department is concerned with the full comprehensive hearing tests of individuals having hearing disorders. The services of Speech Therapists for the individuals having speech and language disorders are also available in this hospital.

5,428 number of Fresh Audiogramme, 379 number of Post Operative Audiogramme, 402 number of Repeat Audiogramme, 573 number of special Tests were recorded. And 677 number of Speech Therapy cases were attended.

An amount of Rs. 62,215=00 was collected through the POOR BOXES during the year 1989-90. Trachestomy Tubes, Blood for Tranfussion and Teflon Piston were provided to the poor and deserving patients at Part/Full cost through the Poor Box fund.

Since 11.10.1983 a **Medico Social Worker** has been appointed at this hospital. The work carried out by the department in the year of 1989-90 (Jan. to Dec. 89) as follows ;-

Months	Adult Deaf	Child Deaf	T. B. Deaf	Cancer	Misc.
1989					
Jan.	41	11	23	14	61
Feb.	44	5	11	9	18
March	38	5	16	13	25
April	22	2	7	11	39
May	7	1	2	4	15
June	50	9	14	4	67
July	20	2	9	10	23
August	43	--	8	7	38
September	28	3	9	12	43
October	20	4	7	6	51
November	27	2	2	3	31
December	23	2	4	5	48
Total	**363**	**46**	**112**	**98**	**459**

The poor Adult deaf patients are helped in obtaining the free Hearing Aid from Aliyavarjung National Hearing Handicapped Institute, and also Hearing Aid provided in concessional prices from various companies. The Deaf & Dumb children rehabilated at special schools and vocational centres. M. S. W. department helps to T. B. patients in getting medicines and injections and providing, Blood Transfussions from the Blood Banks to the patients.

1)	Total Hearing Aid given from Pvt. Companies at concessional rate.	210
2)	Total Free Hearing Aid given from 'NASBOH' Aliyaverjung National Hearing Handicapped	193
3)	Total Home visits	94
4)	Visit to the Institue for Deaf and Dumb School	24
5)	Visits to the Cancer Institute	29

The Medical Staff consists of :-		No. of Post
a)	Honorary E. N. T. Surgeons	3
b)	Honorary Assistant E. N. T. Surgeons.	2
c)	Honorary Associate E. N. T. Surgeon	1
d)	E. N. T. Registrars	5
e)	E. N. T. House Surgeon	5
f)	Junior A. M. O.'s	2
g)	Anaesthetists (Part-Time)	1
h)	Pathologists (Part-Time)	1
i)	Honorary Asstt. Radiologist	1
Nursing Staff consists of :-		
i)	Junior Asstt. Matron	1
ii)	Sisters	6
iii)	Staff Nurses	29

Rs. 37,05,787/- have spent on Establishment of this hospital during the year 1989-90.

(DR. SMT. V. S. BHALERAO)
Assistant Medical Officer,

SETH V. C. GANDHI AND M. A. VORA MUNICIPAL GENERAL HOSPITAL, RAJAWADI HOSPITAL, GHATKOPAR BOMBAY : 77

HIGHLIGHTS :

I	**EXPENDITURE :**		
	(A) 1.	On in patients	2,61,37,806
	2.	On out patients	1,30,68,905
	(B) AVERAGE COST PER PATIENT		
	1.	In patinet per day	155.15
	2.	Out patient per day	4.66
II	**RESULTS IN PATIENTS**		
	1.	Sheduled bed strength	570
		Sarvodaya BEDS	70
		Total Bads	640
	2.	Daily average in patient	404
	3.	Admission including these brought over from previous year.	29446
	4.	Number of patients discharged as	
		i) Relived	1800
		ii) Cured	22301
		iii) Otherwise	3563
		iv) Expired	1381
		Within 24 hours	650
		After 24 hours	227
		Exceding 3 days	504
		v) Remained in the Hospital on the last day of the year.	402
		vi) Daily average No. of Admissions	80
		vii) Average stay of in patients (in day)	6
		viii) Highest No of in patients in a single day.	480
	(B) OUT PATIENTS		
		i) New out patient attendance	177150
		ii) Daily average No. of New out patients	584
		iii) Highest O. P. D. New patients attendance in a single day.	685
		iv) No. of Casualty attendance	70263
	(C) CONFINEMENTS		
		i) Booked cases	6950
		ii) Emergency Cases	319
		iii) Normal	5900
		iv) Abnormal	600
		v) Patient left before delivery	350
	NEO NATAL AND NATURRAL		
		i) Maternal Deaths	5

ii) Neo-Natal deaths	37
iii) Still Births	278
iv) Premature live born infants	68
SPECIALISED TREATMENTS :	
i) Sterlisaion (Male)	3
ii) Sterlisation (Female)	817
iii) I. U. C. D.	217
iv) Medical Termination of Pregnancy	700
(D) **OPERATION**	
i) Operations Major Surgery	3425
ii) Operations Minor Surgery	11964

SETH V. C. GANDHI & M. A. VORA MUNICIPAL GENERAL HOSPITAL RAJAWADI, GHATKOPR, BOMBAY : 77

History :

The land on which this hospital is situated originally belonged to Maharaja of Baroda & hence popularly known as Rajawadi. It was acquired by the local Municipal Bureau in the year 1950.

The Begining of the health care started on the land in the year 1956 with a ground floor structure donation from Gandhi & Vora families.

In the year 1957, the Ghatkoper area was merged into the Bombay Municipal Corporation. The S. V. Khimji Maternity homes of 20 beds of the then local Ghatkoper Municipal bureo also was merged with the dispensary.

By them, the number of patients increased considerably which gave brith to a 50 beded 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 Peadiatric & Gynaec Wards. In the year 1972, specialisaties like E.N.T., Ophthalmology, Orthopaedics, Pathology were introduced which rose the bedstrength to 200.

Disaster Plan : Hospital is also equipped with a disaster plan to meet unforseen massive emergencies when due to shortage of space the lecture hall is converted into special emergency ward and planned personale is available to look after such cases.

Apart from this, 70 beds are reserved in Sarvodaya hospital for convalescent patients for T.B. & Orthopaedic, where in stay is supposed to be longer one.

From 3rd Feb. 88, the Additional Corener's Court. Rajawadi has started functioning in the campus of Hospital.

Location : This hospital is located in the Ghatkoper Suburbs on the Eastern side of the Central Railway line.

To facilitate special attention to Cancer cases. Cancer detection contre has started functioning in this hospital from 11.12.89.

Hospital is on the Eastern side of the Vidhavihar Railway Station at a distance of apprex. 1/4

K.M. and about 1/2 K.M. from the Ghatkoper Railway Station on it's South side.

It is located in between the Tansa Water mains which abuts the hospital on the west and Mahatma Gandhi Road on the east at a distance of about 200 yds.

The Addl. Corener's Court at Rajawadi is located in the 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 expension. 17523.70 Sq. Yard 1,57,713.30 Sq. ft.

Nurse's & Servant's quarters were shifted to Raoli camp as they were indulging in certain unethical malapractices & servant's quarters were converted into R.M.O.'s quarters.

In 1973, Casualty Department was introduced alongwith mobile dispensary, ambulances, hearse & a Blood Bank.

It was in the year 1976 that the major expansation took place introduction 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 an a teaching institution by Bombay Imoversity. Under graduate students from L.T.M.M. College. Sion & T.N.M. College, of B. Y. Nair Hospital attended for clinical training.

The units in Medical, Surgery, Gynaec & Obstertric were increased from 2 to 3 & in Ophthalmic, Paediatric from 1 to 2 each. The beds of Surgery Department were increased from 72 to 94. The total bed strength rose to 560.

I.C.C.U. & M.N.C.U. with total 11 beds were introduced.

Central Ambulance system was introduced. Pathology was upgraded with 6 sections like Histopathology etc qualified Scientific Officers & Technicains were appointed.

Introduction of walk in cold storage facility upgraded the Mertury block.

The following faclities are added recently :-

Dedrug addiction Centre from 27.11.89

Feed handlers Scheme from 16.12.89

Seminars by I.M.A. are arranged once a month on 1st Thursdays for the benefit of G.P.'s of the area since last few years.

DR. Y. N. MORE, M.B.B.S. N.C.P.S.D.G.O. (S.E.M.) (BOMBAY) held the post of MEDICAL SUPERINTENDENT.

DR. (Smt.) V. M. JAISINGHANI, M.B.B.S. hold the post of A.M.O. (Admn.)

The following departments exist in this hospital.

(1) Medical (2) Intensive Care with separate section for acute cardiac cases (3) Surgical including minor surgery & Paediatric Surgery (4) Paediatrics (5) Gynaece & Obst. including antenatal and Postnatal Clinic (6) Family Walfare (7) E.N.T. (8) Audiology and Speech Therapy (9) Orthopaedics (10) Skin & V.D. (11) Ophthomology (12) Psychiatry (13) Dental (14) Occupational Therapy & Physic Therapy (15) Pathology (16) Blood Bank (17) Evening dispensery for municipal employees (18) Casualty (19) Anti Rabic Immunisation (Daily except Sunday, and Bank Holidays) (20) Radiology Department (21) International Health Certificates (22) Medico Special Service Department (23) School Clinic (24) Tuberculosis Clinic (25) Immunisation Clinic (26) B.C.G. Department (27) Diabetic Clinic (Friday 9 to 11) (28) Ayurvedic & Homeiopathic (O.P.D. on 1 P.M. to 3 P.M.) (29) Canoer detection Centre.

1. DEPATMENT OF MEDICINE :

The Department of Medicine consists of 3 Units. Each Unit is looked by Hon. Medical Officer (Medicine) Hon. Assistance Medical Officer (Medicine), Registrar, Houseman & A.M.O. Each Unit conducts out patient Department and emergeney Services twice a week by rotation.

The Gastrontorology Department is looked after by Honorary Medical Officer (Medicine) and a Hon. Medical Officer (Surgery) jointly.

Diabetic O.P.D. is conducted every Friday when blood suger estimation is done on the spot on Amo's Gyetons (Detrometer). Patients are called by appointment for post parandial Blood Sugar and some random blood suger samples also examined. About ten patients's blood is examined for (blood suger every O.P.D. day.)

Statistical Data of cases admitted in Medical Ward.

SEX	In the Hospital on the midnight 31.12.88	Admitted during the year	Total	Discharged Cured	Discharged Other-wise	Death	Remaining in the hospital midnight 31.12.89
Male	28	3174	3202	1900	1045	211	46
Female	16	2014	2030	1400	492	104	34
M/child	-	-	-	-	-	-	-
F/child	-	-	-	-	-	-	-
TOTAL	44	5188	5232	3300	1537	315	80

Statistical Information of New/Casualty attendance

	Male	Female	M/Ch.	F/Ch	TOTAL
O. P. D.	7897	7497	--	--	15389
Casualty	8629	6186	..	..	14815

MEDICAL IN CARE UNIT & CARDIAC CARE UNIT :

These units were started at this hospital from May 1979. Serious cases are admitted directly to these 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	1045
Total deaths	299
Mortality rate	29%

Statistical Data of cases admitted in Paediatric Ward.

SEX	In the Hospital on the midnight 31.12.88	Admitted during the year	Total	Discharged Cured	Discharged Other-wise	Death	Remaining in the hospital midnight 31.12.89
1	2	3	4	5	6	7	8
Male	7	701	708	400	99	201	8
Female	1	336	357	180	58	98	1
M/child	-	-	-	-	-	-	-
F/child	-	-	-	-	-	-	-
TOTAL	8	1037	1045	580	157	299	9

2. DEPARTMENT OF SURGERY :

The department of Paediatrics consists of 3 units. Each unit to looked after by a Honorary Medical Officer (Surgery)& Honorary Assistant Medical Officer (Surgery) Registar, Houseman & A.M.O. Sach Unit canducts the O.P.D. & Emergency Services twice a week by rotation.
(Appendix 3 & 4)

Statistical Data of cases admitted in Paediatric Ward.

SEX	In the Hospital on the midnight 31.12.88	Admitted during the year	Total	Discharged Cured	Discharged Other-wise	Death	Remaining in the hospital midnight 31.12.89
Male	42	3368	3410	2440	815	99	56
Female	11	1279	1290	935	296	38	21
M/child	6	368	374	325	39	2	8
F/child	2	237	239	175	65	-	1
TOTAL	**61**	**5252**	**5313**	**3875**	**1215**	**139**	**86**

Statistical Information of New/Casualty attendance

	Male	Female	M/Ch.	F/Ch	TOTAL
O. P. D.	3695	2354	1173	846	8068
Casualty	14234	5557	2771	1794	24356

Surgical Oparation :

Major	837
Minor	1132
Total	1969

3. DEPATMENT OF PAEDIATRICS

The department of Paediatrics consists of 2 units. Each to looked after by a Honorary Medical Officer (Paediatrician). Honorary Assistant Medical Officer (Paediatrician) a Registrar and 2 Houseman. Each Unit canducts their O.P.D. & Emergency Services thrice a week.
(Appondix 3 & 4)

Statistical Data of cases admitted in Paediatric Ward.

SEX	In the Hospital on the midnight 31.12.88	Admitted during the year 1989	Total	Discharged Cured	Discharged Other-wise	Death	Remaining in the hospital midnight 31.12.89
M/child	17	1788	1805	1502	158	135	10
F/child	18	1293	1311	1050	111	138	12

Statistical Information of New/Casualty attendance

	Male Child	Female Child	TOTAL
O. P. D.	8228	6798	15026
Casualty	4436	3720	8156

The paedatric Department offers the following services.

1. a) B. C. G. to neonatal in PNC Ward.
   b) Neonatal Polio vaccination
   c) D. P. T.
   d) Measles
   e) T. A. B.
2. Round the clock service is provided for patients referred from Casualty.
3. Neonatal Care Services.
4. Renders Health Services to School children from Monday to Friday.

Emergency trolley is provided in labour ward for resuscitation of asphyxiated babies. The ward is also provided with phototherapy unit for neonates with hyperbilirubinemia and has facilities for exchange blood transfusion of Jaundiced neonates.

In addition to these facilities a separeate Tetanus procedure room is available.

4. DEPARTMENT OF GYNAEC AND OBSTETRICS :

This department consists of 3 units. Each unit is looked after by a set of Honerary Medical officer (Obstrician & Gynaecologist) and Honorary Assistant Medical Officer (Obstetrician & Gynaecologist) Registrar, Houseman & A. M. O. Each Unit conducts its O. P. D. & emergency services twice a week.

A wide variety of obstetrics cases were seen and treated compentently. These included cases transfered from Barve Nager hospital and Maternity homes at Vikroli, Bhandup and Deonar. The cases transferred required specialised obstetric care unit and were referred for both diagnosis and treatment.

O. P. D. services, Antenatal & postnatal Services were made available to a large section of the public.

Each Antenatal patient's is examined for blood analysis, regular weight, urine examination, besides general and abdominal examination are done.

These clinics are exteremely beneficial in the the detection and treatment of obstertrical malaise in the form of anemia, cardiac disease, diabetic, hypertension etc.

The interns posted attend O. P. Ds, perform minor O. P. D. procedudes under supervision, learn besic antenatal care, attend Operation theatre, perform tubal sterlisations under supervision and attend emergency duties.

The residents have been trained to deal efficiently with almost any emergency and have learnt to independently perform several major operatons compentently.

Statistical Data of Cases admitted in Gvn, & Obst.

	In the hospital on the midnight 31.12.88	Admitted during the year 1989	Total	Discharged		Death	Remaining in the hospital midnight 31.12.89
				Cured	Other-wise		
GYNAEC	25	1094	1119	1000	84	4	31
MATERNITY	102	8705	8807	8700	17	15	75

Statistical Information New OPD/Casualty attendance

O. P. D.		5267
CASUALTY		4022
OPERATION		
MAJOR		918
MINOR		1300
	TOTAL	2218

5. DEPARTMENT OF ORTHOPAEDICS

This department consists of 2 units. These units is looked after by a Part-time Honorary Medical officers (Orthopaedic) 2 part-time Honorary Assistant Medical Officers (Orthopaeidcs) Lecturer 2 Registrars, 2 Housmen and one Jr. A. M. O. This department conducts O. P. D. and daily attends to emergency case round the clock.

ADVANCE COURSE IN ORTHOPAEDIC SURGERY ON 13.2.89

Rajawadi Hospital was the venue for advenced Course in Orthopaedic Surgery, hold by the Bombay Orthopaedic Soeicty on 15th Feb. 1989.

Four Delegates attended the Course. They were as follows. :-

Dr. Jose from Quills, Kerala

Dr. Manoj Kumar from Pondicherry

Dr. S. S. Kulkarni & Dr. R. Prabha from Bombay.

Operative Session was conducted by Honorary & Hon. Asstt. orthopardic Surgeons. Session sterted at 8.50 A. M. and ended at 2.30 P.M.

Dr. S. D. Mehta, Head & Hon. Orthopaedic Surgeon demonstrated Rush Nailing for Tibial Angulation in a c/o Obsteogenesis Imperfecta.

Flexion Ostectomy with Grafting for Old Closed T.A. & Plantar Fasciotomy in a Ctevec (congenital Tallipes Equino-Varus)

Extension Ostectomy of Recurvatum Ostectomy in a Polio limp with Flexion Deformity.

Dr. M. G. Yangnik, Hon. Asstt. Ortho. Surgeon demonstrated EPH to M 1 in a Polio Patient with Drop 1st Metatarsal Cheilectomy for a C/o AUN Hip.

Cambells rapair for Habitual Dislocation of Patella.

Dr. A. A. Rao, Hon. Asstt. Ortho. Surgeon demonstrated Austin Moore Replacement under Local Ainasthesia Sleeve Hesection with Corrective Ostectomy for on old Malunited Childhood R. U.

Harringtion Road fixation with Biopsy for C/o Metastrsis in 14.

Also Dr. N. M. Khanna, Jr. A.M.O. Ortho. demonstrated one case i.e. "Closed Tiba Nailing" under Image Intesaifier Centrol.

Dr. S. D. Mehta discussed with the delegates his method of Rs. from old Monteggias in children i.e. Flexion Osteotomy of the Ulna, the article having appeared in year Book of Orthopaedies in 1986 and Indian Journal of Surgery. He also discussed our method of treating Spondylclyais with Listersis with a live Qualdratus Lumborum Muscle Paddicls Bone Graft and showed them X-Rays of some cases done by us.

Dr. Yagnik discussed about his method of Rs. of Infected cavities. Which was Scraping with Bone grafting and some X-Rays were shown. This was presented at the Annual WIROC (Western India Regional Orthopaedic Conference) in Nov. 1988.

Dr. Rao discussed about his method of Rs. of the Dorac Lumber Spins trated with Harrington Red. Instrumentation with Interspinous Stainles Steel Wiring and some X-Rays were shown to them Paper was read in the Annual Conference of Association of Spinal Surgeons in India at Banglaore in December 1988.

Delegates were very plensed with the variety of cases shown to them and the discussion with the Honeraries.

Operative Session was very pleased with the variety of cases shown to them and the discussion with the Honoraries.

Operative Session was Followed by a dry lunch hosted by Dr. S. D. Mehta.

REPORT OF FRACTURE COURSE HELD IN ORTHOPAEDIC OPREATION THEATRE FOR BOMBAY ORTROPAEDIC SOCIETY.

Internal fixation course was held in the Orthopaedic Operation theatre as part of fracture course for Bombay Orthopaedic society at Rajawadi Hospital on 28th August 1st Sept. 1989.

A veriety of Trauma cases were operated upon by the Honoraries of the Orthopaedic department on both these days.

On 28th August 1989. 4 delegates attended this demonstration session. They were Orthopaedic surgoans from diffierent parts of the country. They were as follows.

(1) Dr. P. Gupta from C.M.C. Ludhiana N. Punjab

(2) Dr. R. K. Shrivastava from Bareilly, UP

(3) Dr. G. M. Reddy from Guntur, AP.

(4) Dr. M. N. Salim From Tellicherry, Kerala.

Nine cases were demonstrated to them. The session started at 8.30 A.M. and ended at 1 P.M.

Dr. S. D. MEHTA HONORARY & HEAD : of the Orthopaedic department operated four cases which were as follows.

Austin Moore Replacement for Transcervical fracture neck femur, closed Tibia Nailing for a fracture shaft of the femur.

Neiling for a fracture shaft of the Radius & Ulna.

'K' Nailing with cercelage for subtorchanteric shaft of femur.

DR. M. G. YAGNIK HONORARY Orthopaedic Surgeon demonstrated two cases.

Asnis Compression Screw fixation for Tran

'K' Nailing femur for a fracture shaft femur.

DR. A. A. RAO, HONORAYS ASSISTANT Orthopaedic Surgeon demonstrated

- Richards compression hip screw fixation for fracture I.T.

- Plating for fractureshaft of Radius & Ulna

- Tension bend wiring for a Potts fracute.

This was followed by discussion on cases done by our department alongwith slides & X-rays. This was followed by lunch.

Session started at 9 A.M. Long and Short cases were distributed to the delegates. About 30 of these them were present. They were from Gujrat, Maharashtra as well as from Bombay.

They were told to present theri cases and they were questioned just similar to M.S. Orthopaedic Oral Exmination, which is conducted by the Bombay University.

Students took great interest as they got the asnweres to their queries. They were very pleased with the variety of cases shown which ranged from Poliomyelitis to Frectures. Congenital abnormalities tumours as well as infections.

Session ended at 1.00 P.M when they were served lunch.

Statistical Data of Cases admitted in Orthopaedic Ward.

Sex	In the hospital on the midnight 31.12.89	Admitted during the year 1989	Total	Discharged Cured	Discharged Other-wise	Death	Remaining in the hospital midnight 31.12.89
Male	38	1073	1111	450	619	18	24
Female	17	528	545	200	318	18	9
M/ch	3	197	200	50	146	--	4
F/ch	2	122	124	45	74	-	5
Total	60	1920	1980	745	1157	36	42

Statistical Information of New OPD/Casualty attendance

	MALE	FEMALE	M/ch	F/ch	Total
OPD	2124	1657	944	701	5476
Casualty	3091	1520	1146	756	6513

ORTHOPAEDIC OPERATIONS

MAJOR	749
MINOR	5344
TOTAL	6093

On 1st September 1989, 3 delegates attended. They were

(1) Dr. S. K. Gupta from Dhanbad, Bihar

(2) Dr. Sunil Uppal from Bareily, U.P.

(3) Dr. Sunit Nargarni from Anleshwar.

Session started at 8.30 A.M. & ended at 12.15 P.M.

Dr. S. D. MEHTA : demonstrated the following cases.

Richards Hip Screw fixation for a Basicervical Frecture Neck of femur.

– Absorable wiring for Fracture Patella,

– Nalleolar Screw fix-ation for potts fracture

Dr. M. G. YAGNIK demonstrated the following --

Plating for a fracture shaft Tibia with Interfragmental Screw fixation

-- Nailing for a fracture shaft ulna.

Dr. A. A. Rao : Demonstrated the following.

Compression plating for a fracture Shaft Radius Ulna.

Dusting Moore Replacement for a Transcervical fracture neck femur. This was followed by discussion, presentation of slides & X-Ray of done by our department. This was followed by lunch

The delegates were impressed with the Quality of work shown to them & also the number of cases that could be shown to them & also the number of cases that could be shwon in such a short span of time.

REPORT OF CLINICAL SESSION HELD AT RAJAWADI HOSPITAL, ORTHOPAEDIC DEPARTMENT FOR BOMBAY ORTHOPAEDIC SOCIETY

On 10th Sep. 1989 clinical Session and examination for M. S. doing students was held at Rajawadi Hospital as part of the Graduate teaching programme held anually by Bombay Orthopaedic Soceity. This was conducted by Dr. S. D. Mehta, Head Honorary Orthopaedic Surgeon and Dr. A. A. Rao, Hon. Asst. Orthopaedic Surgeon.

ELECTROCONVULSIVE THERAPY :

Since 1983 E.C.T's are given in the morning on all 6 days of the work. Since the commencement of Indoor facilities for E.C.T's are given on Indoor days (Tuesday, Thursday, Saturday.) However owing to the increasing load, the department plans to avail of the facility to the patients, all 6 days. In total 388 E.C.T.'s were given, all under general anaesthesia.

Role of Social Worker : The Social worker has attended Psychiatry O.P.D. Every day upto 3rd June 1989. Last year from Jan. to June 35 cases were referred to her for case work and councelling Total number of interviewed sessions carried out were 163. She has attended following workshop.

(A) Training workshop on drug addiction at K.E.M. Hospital from 2.5.89 to 5.5.89.

(B) The workshop on crisis intervesion organised by Tata Institute of Social Sciences on 23rd to 25th Jan. 89.

Occupational Therapy : Monthly report of patients attending Psychiatry Occupational therapy department.

Occupational therapy department for Psychiatry started in 3rd week of October 1989.

Month	No. of Patients	Patients for Therapy	Patients for obs. for fitnese
October 89	5	5	--
November 89	8	7	1
December 89	10	7	3

In the Occupational Therapy department Patients are referred for evaluation, observation and treatment.

Initially detailed case history is taken. Patients are observed and treated through different craft activities and games.

6. DEPARTMENT OF PSYCHIATRY :

The Department of Psychiatry was established in October 1978 with a staff of Astt. Hon., A.M.O. and Medico-Social Worker. The Outpatient department then was run 5 day in week in the afternoon.

Since 1986 O. P. D. was shifted to regular morning hours and is new run 3 days in week, Monday, Wednesday, Friday.

In 1989, we had 23 New cases registered. Approximately 17,000 old cases were treated and followed up.

The diagnestic break up of these new cases is as follows.

DIAGNOSIS		No. of cases
A. PSYCHOSIS		
	a) Schizophrenia	181
	b) M. D. P. i) Mania	5
	ii) Depression	72
	c) Organic Brain Syndrome	13
B. Neurosis		
	a) Anxiety Neurosis	54
	b) Hysterical Conversion Reaction	9
	c) Neurotic Depression	231
C) Personality disorders & Addiction		55
D) Psychosomati Disorders		10
E) Epilepsy		22
F) Mental Subnormality		21
G) Miscellaneous		32
H) Nil Active Psychiatry		6
I) No Diagnosis could be arrived at		12
Total		**723**

Patients are also referred for observations for fitness certificate. Patients are observed for reguular attendance, concentration in work, behaviour during observation time. Alongwith clinical examination and this observation, ments fitness for work is considered.

Occapational Therapist has to spent at least 3 to 4 hours per patient per day.

Clinical Psychologist : Though post of Clinical Psychologist is sanctioned it is not filled up. Qualified clinical Psychologist is attending is observer and doing the work.

The clinical Psychologists work sterted since 3rd week of December. The cases are referred for Psychological evaluation which helps in the disgnosis & management of patients.

Initially the case history is taken is detail which require around 1 $^{1}/_{2}$ Hours for Psychological evaluation and ingnestic parpose the baitery of tests are admisistered on the patient. Each test requires about 45 minutes to 1 hour. The cases also referred for counselling therapy. Each session 45 minutes to $1^{1}/_{2}$ hours.

Total Patient	Test Administered	
5	Rorschach ink blot test	3
	Bonder Gestalt test	3
	Draw a person	3
	Waschler Memory scals	1

Note : Testing material were not available hence the material was borrowed, hencs I.Q. and other testing could not performed. The only available material are Roserehach ink blot paper pencil tests, other tests are asked for the will be available within few days.

Indoor Admission Facility : Indoor facilities have been started since November 1989 and in that month & patients were admitted with a total of around 24 patients days.

The Indoer admission facility we regared as a special land mark in the progress on our department and the hospital. It will in the progress on our department and the hospital. it will allow us better patient observation and management especially those requiring observation and management diagnosis, ECT's and these with severe beheviboural disturbances. On Indoor days we have detailed ward rounds lasting for more than an hour where in the cases are discrussed in detail. We also have teaching sessions where in a topic is prepared by an R.M.O. and presented before the unit. These group discussion sessions are important for overally laering porcess of resident.

Achievements & Highlights during 1989.

I. Extension - Additional Facilities.

The Psychiatric Indoor facilities (Ward No. 3) was sterted in Nov. 1989. New staff was recrested for the same.

II Seminer : Psychiatric Department of Rajawadi Mun. Gen. Hospital hosted a half day seminar on 4th June 1989. This function was unique as it was for the first time in 31 yrs. of the history of Bombay Psychiatric Society a half day seminor was "inagunated by Dr. Maduskar Deputy Municipal Commissioner, Dr. Kusum Shah, Directer, Peripheral Municpal Hospitals released the inaugural issue of Bombay Psychistric Bulleting" on the same day.

III Other Highlights : Dr. Manilal Gada, Head of the Department of Psychiatry was unanimousely elected as 23rd president of Bombay Psychiatric Society for 1989-90. During his presidentship for the first time in the history of Bombay Psychiatric Society two major events occured.

(1) A regular Journal "Bombay Psychiatric Bulletin" was stared. There issues were published.

(2) A "Directory of Membership and mental Health Facilities in the city of Bombay was compiled.

II Dr. Manilal Gada was renominated as convenor of adolesoent. Subspeciality section of Child and Adolescent Mental Health of Indian Psychiatric Soceity at all India.

IV) Paners Published : "The Course of Depressive illness.

"A follow up investigation of 92 cases" by Dr. Manilal Gada Indian Journel of Psychiatry, 31(3) 196-200, 1989.

V) Conference & Seminar : Dr. Manilal Gada attended 20th annual conference of Indian Psychiatric Society West Zone at Junagadh in September 1989.

Dr. Manilal Gada attended "Drug Orientation Seminar" Organised by Lions International Distrist 323 on April 2, 1989.

7. DEPARTMENT OF TUBERCULOSIS

This department consists on only one unit. It is looked after one Asstt. Honorary Medical Officer (T.B. Specalist) and one A.M.O. This unit functions on all days of the week except Sundays. This department renders treatment to the old and new patients who are suffering from Pulmanary Tuberculesis. Patients referred from the surrounding delspensaries and doctors practicing in the vicinity of the hospital are the unit.

Statistical Information of New OPD/Casualty attendance.

	Male	Female	M/ch	F/ch	Total
O.P.D.	395	264	11	5	675

8. DEPARTMENT OF INTERNATIONAL HEALTH CERTIFICATE

This department functions all days of the week except Saturday Sunday & Holiday. People desiring Health certificates for going abroad or Piligrimage attend this centre between 11 A. M. 12..30 A.M.

8 (A) Ayurvedic & Homieopathi

This department was functioning only one day in a week i.e. on Monday 9 p.m. to 3 p.m. However now this department functions twice a week (Monday & Thursday)

Ayurvedic	122
Homeiopathi	134

9. DEPARTMENT OF EAR, NOSE, THROAT :

This department consists of one Unit. This unit is looked after by Honorary Medical Officer (Ear, Nose Throat) Surgeen, Registrar, House Surgaon. This unit condicts O.P.D. & Emergency Services Thrice a week.

Statistical Date of cases admitted in E.N.T. Ward.

Sex	In the Hospital on the Midnight 31.12.88	Admittied during the year	Total	Deschared Cured	Deschared Other wise	Death	Remaining in the hospital midnight 31.12.89
Male	8	426	434	300	123	5	6
Female	8	398	406	250	143	4	9
M/Ch	2	140	142	100	40	-	2
F/Ch	2	117	119	96	22	-	1
Total	20	1081	1101	746	328	9	18

Satistical information New OPD/ Casualty attendence.

	Male	Female	M/Ch	F/Ch	Total
O.P.D.	1275	1229	739	575	3218
Casualty	1086	646	542	360	8634

E.N.T. OPREATIONS

Major	358
Minor	465
Total	823

10. DEPARTMENT OF SKIN & V.D.

This department consists of only one unit. It is locked after by one Asstt. Honerary Medical Officer Dermatologist, Registere & House Physician. This department Functions on all days of the week except Sunday (Appendix 3 & 4)

Statistical Date of cases admitted in Skin & V.D. Ward.

Sex	In the Hospital on the Midnight 31.12.88	Admittied during the year	Total	Deschared Cured	Deschared Other wise	Death	Remaining in the hospital midnight 31.12.89
Male	3	212	215	198	15	-	2
Female	3	75	78	58	18	-	2
M/Ch	1	12	13	10	3	-	-
F/Ch	1	10	11	8	3	-	-
Total	**8**	**309**	**317**	**274**	**39**	**-**	**4**

Satistical information New OPD/ Casualty attendence.

	Male	Female	M/Ch	F/Ch	Total
O.P.D.	2737	1992	1602	1093	7424
Casualty	858	332	223	149	1562

11. DEPARTMENT OF OPHTHALMOLOGY

The Ophthalmology department has two units running the Opthalmic O.P.Ds & O.Ts everyday. Each unit has a Honorary Madical (Ophthalmic Surgeen) Registere & a housemen.

765 Operations were done including metinal detach surgeries, Squint surgeries, Ionsectomy & vitrectomy. Intraocular lens implants & intraocular foreign body removals. Emergency Operations included corneal & soleral tear suturings.

Eye Bank is prepered to started with facilities for attending eye donation calls at the earliest & doing Keratoplasty.

Post graduate clinics are being held every week & regular seminers are held alonwith residents of ophthal department of Sion Hospital, as teaching programme for the post graduate students.

The Library is regularly updated with the latest Ophthalsic books.

OPHTHALMIC OPERATION

Major	563
Minor	202
Total	765

Statical Data of cases admitted in Ophthalmic Ward

Sex	In the Hospital on the Midnight 31.12.88	Admittied during the year	Total	Deschared Cured	Deschared Other wise	Death	Remaining in the hospital midnight 31.12.89
Male	4	403	407	125	273	1	8
Female	7	301	308	130	170	-	8
M/Ch	-	27	27	24	3	-	-
F/Ch	1	21	22	20	2	-	-
Total	**12**	**752**	**764**	**299**	**448**	**1**	**16**

Satistical information New OPD/ Casualty attendence.

	Male	Female	M/Ch	F/Ch	Total
O.P.D.	1906	1598	612	427	4543
Casualty	948	546	250	148	1892

12. DEPARTMENT OF DENTISTRY :

This departments consists of only one unit which is looked after by Medical Officer (Dental) lecturer. This unit functions on all days of the week except Sunday.

Statistical information of New O.P.D./Casualty attendene.

	Male	Female	M/Ch	F/Ch	Total
O.P.D.	1531	1544	697	472	4244
Casualty	547	349	186	103	1185

Total No of Extration	3000
Total No of Fillings	350
Total No of Scalling	225
Total No of Tractions	4
Total No of Operations	55

13. DEPARTMENT OCCUPATIONAL THERERY & PHYSTO THERAPY

This department consists of one full time unit functions on all days of the week except Sunday.

Yearly workload is as under :

Indoor attandance	57677
O.P.D.	135539
Sarvodaya	17131
Total	**210347**

14. EVENING O.P.D. FOR MUNICIPAL EMPLOYEES

This O.P.D. functions daily except Sunday between 6.30 P.M. 8 P.M. for Municipal Employes. Municipal Employees take advantege of this facility daily.

15. FAMILY WELFARE CENTRE:

Family Welfare activity at Rajawadi Hospital this year also was remarable :

1. Tergete : The terget set for this hospital has been completed.

Strlization	915
I.U.C.D.	273
Condoms	5650
Oral Pills 2	45

2. School Clinic:

The school clinic looks after children from the Municipal Corporation schools surrounding this Hospital.

The analysis of the boys and girls treatment this Hospital clinic during the year 1989 is as follows.

Department	New	OPD	Total
Paediatric	1762	10169	11931
Opthalmic	728	6087	6815
Aural	684	689	7577
Skin	306	6016	6322
Dental	317	5603	5920
Orthopaedic	19	118	137
Surgical	10	43	53
T.B.	78	654	732
Total	**3904**	**35603**	**39507**

17. LEPROSY CLINIC:

Leprosy clinic functions once a week i.e. on Thursdays only between 2 P.M. and 4 P.M. People from the surrounding areas attend this clinic and avail of the treatment which is given by Dr. Manek from flert India. The attendance at this hospital varies from 45 to 55.

18. RADIOLOGY DEPARTMENT :

This department is looked after by a Honorsry Medical Officer (Radilogy) and Registrar. The work of the department is as under :

No. of Indoor patient X-rayed	11458
No. of Out-door patient	28578
Total	**40036**

19. MEDICO-SOCIAL WORKER : (Section I)

At present there are two Social workers working in the department. The following activities were undertaken last year by section I.

I. Medical Aid was given to 66 Patients out the which 128 patients were supplied Medicine through PBF & for 38 cases were arranged through donors.

II 6 cases of unmerried mothers were refered to the depertment & detailed case work & rehabilitation was carried out for the same.

III 33 cases were referred for specalised investigation such as C.T. Scan, out of which 30 cases were given monetary help for the same throught PBF.

IV. 12 patients were given Orthopaedic appliances through PBF.

V. In a diabetic clinic 889 patients were scrutinised & were supplied with inj. lente & plain Insuline.

VI) 104 cases were assessed for scheduled & costly medicines such as Gap. Rif. & Tab. Aldomet.

VII) Poor & needy patients were are refered to social service Department for concesions in overstay & X-Ray charge Last year 551 cases were scrutinised & were given concession as per their socio economic conditions.

VIII) Social workder attends Pyschiatry O.P.D. Last year 22 cases were referred to her for case work & councelling. Total number of interview sessions carried out were 103.

IX) **N.S.S. Hospital Project** : Students from Somaiya College Arts, Commerec & Seience & Smt.

P.N. Doshi womens colleges come in batches to help the poor & noody patients in the wards.

A. Last year some Lectures on Medical topics & demonstration were arranged to enhance the knowledge of N.S.S. students.

B. Library project for ward patients was carried out with the help of N.S.S. students.

C. Social workder given them orientation Lecture and also supervise their activities.

D. Recreational projects like clebration & decorations on Narali Poornima, Diwali & X-mas were arranged with the help of N.S.S. Students.

E. Services of N.S.S. Students are arranged through Social Service Department at the time of emergencies such as balloon blast at Chembur & train aceidents at Ghatkopar station.

F. Mrs Vrunda Kubal, Medical Social worker has attended following workshops last year.

a) Training workshop on drug addiction at K.E.M. Hospital from 2.5.89 to 5.5.89.

b) The workshop on cricis intervention Organised by Tata Institute of Social Sciences on 23rd to 25th Jan. 89.

MEDICO SOCIAL WORKER : (Section II)

This report basically consists of our reutine responsibilities entursted to us as well as special task actived by us in giving social help to the poor & needy patients in the last year 1989.

As per the last years future plan and the directives of the Medical Superintendent in the diabetic Clinic, I have tried to cheek and control more vigorougly and brought down No of patients in the role of free supply of Inj. Insulins and Inj. Insulin which is costly.

After serutinization of the Socio-comomic history the on of aftering patients refered to buy the Inj. from outside.. Because of this masure 40% quota of inj. insulin is saved.

This diabetic clinic works in following ways.

1) Quatefixation 2) To control the quota 3) Ledger updating 4) followup of all the patients New a days 100 to 150 are regularly taking the treatment from this clinic.

FINANCIAL HELP FOR ORTHOPAEDIC PATIENTS.

Some of the Orthopaedic patients need special appliances to cope up with their deformities and help them selves to survive.

Most of these patients are from poor strata of the society who need financial and which can be arranged by Post Box Charity Fund or charitable trusts or social organization.

Following list shows the names of the appliances and Donors who are co-operating for monetary help.

Appliances	Name of the Donor
1. Coller	K. D. Agarwal Charitable Trust
2. Cretches	Sanjevani Turst.
3. L. B. Belt	Mrs. Danani, Ghatkoper
4. L. E. heels Boots	Mrs. Vaidya, Ghatkoper
5. Bolow knes Calipar	Miss Roopa Shah, Ghatkoper
6. Full lenght calipar	Eastern Surgical & Co. Ghakoper
7. Taylors Bract with oxilary Crutches.	

Financial help wer given to the needy patients in the following No.

1.	Orthopaedic patient	18 Pt.
2.	Borne cement	1 Pt.
3.	Surgical Instrument (Ortho.)	2 Pt.
4.	C. T. Scan	6 Pt.

Pinencial Concession are also given and X-Ray & E.G.S. by waiving the charges, after investigation of Socio-Ecemonic history M.S.W. has to decide the concessions. Monthly average is 200 to 210.

3. In the absence of other M.S.W. worked on that particular department like.

1) Non schedule medicine help	5 patients.
2) C.T. Scan	4 patients.
3) Unmarried mother and adoption cases	1 patients.

4) Blood donation camp was organised on 14.4.89. Ambedkar Jayanti at Kurla (E) & collected 45 bottles of blood..

4) Group activities : A) Ward patients Library is successfully run through N.S.S. students through out the year the given recreative time to the ward patients. B) on 11.2.90 Pragati Sneh Sammelan was arranged. It has given great Psychological relief to the Patients and Staff. An advance of Rs. 500/- for Pragati Sammelan Souvenier was collected.

5) I intend to start workshop with the help of Pragati Sneh Sammelan Committee for handicapped patient which will be income rating scheme for which I intend to collect the approx Rs. 25000/- donetion from trustes & donors and Pregati Sammelan Committee Office.

I take approtunity to express my thanks and gra to all generous doners who have holped me to fulfill the needs of poor patients.

BLOOD BANK

We are greatful to organisation who give us blood though blood domation drive and voluntary blood doners. It is known that bottle of blood is very valuable to needy patients. Till today 126 organisations have donated 42,500 bottles of blood out of which the following are still continuing with 17 years organisations.

1. Somiya Arts. Commerce college
2. Somiya Science College.
3. Star sports Club (Pant Nagar)
4. Shivraj Krida Mandal
5. Swami Vivekanand College
6. Alert Social Group (Ghatkoper)
7. Harjan Sambeti (Vikroli)
8. B.ED college (Chembur)

B. Individual donors who was donated blood for more than 25 times.

1. Dr. Pal 29 bottles.
2. Dr. Jay Kothari
3. Abdul Shayani
4. R. R. Gupta
5. Bipin Dodhiya

Blood donation drive organ and the blood were felicated by the hands of honorable municipal

commissioner Shri S.S. Tinaikar in the annual function of Pragati Sammellan Mohatsav Committee" on 11.2.90.

Blood bank inspection committee appointed by Staff Government of Maharashtra and visited out blood bank in 1989. and sugested certain additions & alteratiens for regaising the Blood bank. Annual collection 356 units of blood.

By voluntary donors	1426
By Replacement donors	563
By other Hospital	368
Blood under for Rajawadi Hospital	1642
Given to other Hospitals	388
Given to Haffkin Institute	208
Discarded bottles	75
Others	43

20. LIBRARY

The total number of books added to the Library during the year 1989 was 68 as against 181. During the previous year 5 books are not supplied by the book sellers because the books were not available in the market and publishers price and their conversion rates had increased so they are unable to supply there books. Total 14 Books are likely to be coming.

The Library had at the end of the year 1420 books as against 1352 in the previous year.

The Library had at the end of the year 1420 books as against 4352 during the privious year.

21. SARVODAYA HOSPITAL

Rajawadi Hospital has got 70 bads at Sarvodya Hospital, Ghatkoper, Bombay-77. for treating convalucent Orthopaedic patients. These beds are rented one by making payment of Rs. 25/- daily per bed.

One Jr. A.M.O. (Orthopaedic) and one staff nurse been appointed for looking after these patients at Sarvodaya in adition to Sarvodaya Hospital's routing staff. Indoor Attendance is 21052.

22. MEDICAL RECORD DEPARTMENT :

Recovery of fees from outdoor and Indoor patients from 1st January 1989 to December 1989.

O.P.D. Patients ..	Rs.	3,49,952
Indoor Patients ..	Rs.	2,57,170
Receipts Overstay ..	Rs.	2,73,598
4th Delivery ..	Rs.	8,400
Total		8,89,120

MEDICO-LEGAL SECTION :

1.	Issus of Police Certificates	2385
2.	Doctors deputed to Motropolition Court	127
3.	Doctors deputed to Session Court	18
4.	Records made available to Registrar, Motor Accident Tribubal Court.	15

Other revenue collection at Rajawadi Hospital.

1. Certificate & Poor Box Charity . . . Rs. 21,655.60
2. X-Ray (Donation) . . . . . Rs. 6,30,549.00

3. Donations . . . . . Rs. 296.00
4. E.C.G.Rs. 38,750.00
5. Paying Bed Revonus . . . . . Rs. 2,14,213.00

Highlights (Comparison Between 1986-1989)

No of patients has incerssed from 29430 to 29446. Daily average of inpatients has decreased 468 to 404. Total Indoor attendance has decreased from 1,71,116 to 1,47,421. The O.P.D. attendance (New) including casulty has increased from 171143 to 177150. The daily O.P.D. average of New patients has incresed from 568 to 584. The no of operations has increased from 15000 to 15389. Major Operations increased from 3265 to 3425. Total expenditure increased from 3,45,29471 to 3,92,06,711.

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 euquirs of the patients admitted there-in.
2. The assistant Medical Officers of the hospital on duty are assigned to visit wards during the visiting house between 4.30 P.M. to 6.00 P.M. to ensure dialogue between the Administration and the ailing patients and there relatives corrective steps are taken to give them a reliat satisfaction which helps to bridge the communication
3. Colour board at the entrance of the Administrative Bldg are exhibited indicating the names, replacement and location of the M.O and the A.M.P. on duty. The plates painted in red colour indicates the Medical Staff on routine duty where as a white indicates the staff on Emergency duty. This effects easy locations, facilitates the relatives of the patients to locate, talk and talk the Medical Staff to ventilate their grievances of feelings.
4. The Medico Social Worker attached to the Ante-Natal Clinic during the session utlises the waiting timing of patients to educate the expectant mothers to stitch baby freeks, for use for their own newly born babies by supplying condomned linen from the Hospital.
5. Boards indicating Telephone Nos. 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 help and the left thumb impression of the mother is taken immediatoly in the Labour Ward on a plain paper and attached with Indoor case paper to avoid exchange
7. Use of colour Indicatiors different colours are applied for different specialities of Medical Branches on the first portion at the entract of the Ward which patients relatives to indentity the wards easily.
8. Th name board of the numbers of the Public Health Committes is also exhibited in the Hospital which is helpful to the persons in case of needs and help from the members.
9. Provided good accommodation to R.M.Os. The R.M.Os quarters are under repairs in which rooms are made bigger by removing small walls and thus providing better ventilation and safety by enclosing the repaired passages.
10. Expansion of Canteen facilities by providing space by including the passage to the present spaces by decorative grills on the veranda and removal of wall between Veranda and passage. With these changes the canteen will be provided with better ventilation and pleasent atmosphers.
11. For the entertainment of R.M.Os colour T.V. & V.C.R. has from provided through voluntary donations amongst hospital staff.

12. The construction of an office for the Accountant in this hospital adjecent to the office of the Medical Superintendent on the 1st floor Bldg. No. 2. This office will be useful to speedy disposal of Accounts matters.

13. Constrution 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 there are daily Orthopaedic Operations and O.P.Os.

15. Providing overhead water tanks as replacement to the old once.

16. Shifting of dumping space of Ward officer to come other place from the hospital Campus.

17. Provided sophisticated electrionic machinery viz. ultrasonographic machine, operating microscope, vitrectomy machine etc.

18. Maintenance and provision of hospital dead stock material cots, trolley etc.

19. Henovation of lecture Hall and Matron office.

20. Provided proper drainage system in the hospital and maintances of hospital Garden Island & Passages.

21. Cancer detection Centre at this hospital.

DEFICINCIES AND SHCRTCOMINGS :

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 approvel to shift the 'N' Ward stores which is at present in the compund of Rajawadi Hospital to other premises so that area which is earmarked for O.P.D. building can becaused for the same. The expansion plan of Rajawadi Hospital especially its O.P.D. is closely liked to the shifting of 'N' Ward stores.

FUTURE DEVELOPMENT :

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 propossals for procurement of Staff, furniture, materil is in process.

3. Starting a Paediatric Intensive Care Unit and a Premature Baby care unit is in process.

4. The Government of Maharashtra has senctioned a Post Partum centre at this hopital from the year 1988 vide No. Gr. No. FEB/686/195/FW-II of 25.1.1988.

5. To provided clinical training to the students of Somaiya College at Rajawadi Hospital is in process.

6. To contruction 11 sterey building in the hospital compound for providing better medical facilities.

7. To provide a Disel Generator set to take over electric supply to the hospital when the regular supply is tripped and construction of a seperate room for the same.

8. Starting of an A.I.D.S. detection centre.

APPENDIX NO. 1

Distribution of beds according to departments and Sex.

DEPARTMENT	MALE	FEMALE	CHILDREN	TOTAL
MEDICAL	34	35	-	69
SURGICAL	57	21	-	78
BURNS	-	21	-	12
GYNAECOLOGY	-	51	-	51
OBSTETRICS	-	108	-	108
PAEDIATRICS	-	-	76	76
OPHTHALMIC	20	13	-	33
SKIN & V. D.	10	10	-	20
E. N. T.	16	15	-	31
ORTHOPAEDIC	19	20	-	39
M. I. C. U.	7	4	-	11
PAED. SURG.	-	-	6	6
PSYCHIATRIC	10	-	-	10
SIDE ROOM				
Medical	8	2	-	10
Surgical	2	-	-	2
Obstetrics	-	2	-	2
Gymaec	-	9	-	9
Orthepaedics	2	1	-	3
TOTAL	185	303	82	570

APPENDIX NO. 2

No. of Accident Cases Treated

SEX	TREATED IN CASUALTY DEPARTMENT 1989	ADMITTED THROUGH CASUALTY DEPARTMENT 1989
MALE	7758	1745
FEMALE	3550	1078
CHILDREN (MALE)	2069	576
CHILDREN (FEMALE)	1428	401
TOTAL	14805	3800

APPENDIX NO. 3

Statement showing the Outpatients (New/Casualty) attendance in Rajawadi Hospital during the year 1990 and classification according to the department Sex and age.

Department	OPD NEW CASES					CASUALTY CASES				
	MALE	FEMALE	M/ch	F/ch	TOTAL	MALE	FEMALE	M/ch	F/ch	TOTAL
Medical	7897	7492	-	-	15389	8629	6186	-	-	14815
Surgical	3695	2354	1173	846	8068	14234	5557	2771	1794	24356
Ophthalmic	2124	1657	994	701	5476	3091	1520	1146	756	6513
Orthopaedic	1906	1598	612	427	4543	948	546	250	148	1892
Gynaec	-	5267	-	-	5267	-	4022	-	-	4022
Dental	1531	1544	697	472	4244	547	349	186	103	1185
Skin & V. D.	2737	1992	1602	1093	7424	858	332	223	149	1562
E. N. T.	1275	1229	739	575	3818	1086	646	542	360	2634
Psychiatric	395	264	11	5	675	-	-	-	-	-
Peadiatire	-	-	8228	6798	15026	-	-	4436	3720	8156
Maternity	-	6977	-	-	6977	-	-	-	-	-
Anti Rabic	-	-	-	-	-	816	433	491	252	1992
T. B.	311	150	-	-	461	-	-	-	-	-
B. M. E.	-	-	-	-	-	1430	783	572	351	3136
Polio Tripee	-	-	10596	9713	20309	-	-	-	-	-
Paed. Surgery	-	-	324	203	527	-	-	-	-	-
B. C. G.	-	-	4445	3982	8427	-	-	-	-	-
Ayurvedic	76	41	4	1	122	-	-	-	-	-
Homiopathic	74	44	14	2	134	-	-	-	-	-
TOTAL	22021	50609	29439	24818	106887	31639	20374	10617	7633	70263

APPENDIX NO. 4

Summary of in-patients clasified according to Department and Sex.

DEPARTMENT	In the hospital on the midnight 31.12.88	Admitted during the year 1989	Total	Discharged		Death	Remaining in the hospital on the midnight 31.12.89
				Cured	Other		
1	2	3	4	5	6	7	8
MEDICAL							
Male	28	3174	3202	1900	1045	211	46
Female	16	2014	2030	1400	492	104	34
Total	44	5188	5232	3300	1537	315	80
SUREGICAL							
Male	42	3368	3410	2440	815	99	56
Female	11	1279	1290	935	296	38	21
M/ch	6	368	374	325	39	2	8
F/ch	2	237	239	175	63	-	1
Total	61	5252	5313	3875	1213	139	86
OPHTHALMIC							
Male	4	403	407	125	273	1	8
Female	7	301	308	130	170	-	8
M/ch	-	27	87	24	3	-	-
F/ch	1	21	22	0	2	-	-
Total	12	752	764	299	448	1	16
GYNAEC							
Female	25	1094	1119	1000	84	4	31
Total	25	1094	1119	1000	84	4	31
SKIN & V. D.							
Male	3	212	215	198	15	-	2
Female	3	75	78	58	18	-	2
F/ch	1	12	13	10	3	-	-
M/ch	1	10	11	8	3	-	-
Total	8	309	317	274	39	-	4
M. I. C. U.							
Male	7	701	708	400	99	201	8
Female	1	336	337	180	58	98	1
F/ch	-	-	-	-	-	-	-
M/ch	-	-	-	-	-	-	-
Total	8	1037	1045	580	157	299	9
ORTHOPAEDIC							
Male	38	1073	1111	450	619	18	24
Female	17	528	545	200	318	18	9
M/ch	3	197	200	50	146	--	4
F/ch	2	122	124	45	74	--	5
Total	60	1920	1980	745	1157	36	42

1	2	3	4	5	6	7	8
E. N. T.							
Male	8	426	434	300	123	5	6
Female	8	398	406	250	143	4	9
F/ch	2	140	142	100	40	-	2
M/ch	2	117	119	96	22	-	1
Total	20	1081	1101	746	328	9	18
BURNS							
Male	6	182	188	80	51	50	7
Female	12	362	374	100	24	238	12
F/ch	2	46	48	30	18	-	-
M/ch	3	39	42	20	20	2	-
Total	23	629	652	230	113	290	19
NATERNITN							
Female	102	8705	8807	8700	17	15	75
Total	102	8705	8807	8700	17	15	75
PAEDIATRIC							
F/ch	17	1788	1805	1502	158	135	10
M/ch	18	1293	1311	1050	111	138	12
Total	35	3081	3166	2552	269	273	22
GRANT TOTAL	398	29048	29446	22301	5362	1381	402

APPENDIX NO. 5

Cost per in-patient and out patient per day

(1989)

YEAR	ESTABLISHMENT	CONTINGENCIES	DRUGS AND MEDICINS	DIET	STORES AND LINES	REPAIRS MAINTANANCE SPECIAL REPAIRS NEW WORKERS	TOTAL
1	2	3	4	5	6	7	8
			IN-PATIENTS				
1989	103.95	12.41	23.29	4.65	6.20	4.65	155.15
			OUT-PATIENTS				
1989	3.16	0.37	0.69	0.13	0.18	0.15	4.66

APPENDIX NO. 6

BACTERIOLOGY AND SEROLOGY :

Gram Stain		4507	Hydrocele Fluid Cluture
AFB Stain		817	Singreal Fluid Culture

Albert Stain	206	Umbilical Swabs	1
Clot Culture	93	Ulçer Swabs	-
Blood Culture	127	Bronchila Aspiration	-
Pus Culture	614	Nasal Swab	-
Urine Culture	1082	Pharyngeal Swab	-
Sputum Culture	117	Miscellaneous	68
CSF Culture	773	O.T. Sterility (Swabs)	2104
Stool Culture	118	Blood V.D.R.L)	
Throat Swab	91	Indoor + OPD)	10041
Eye Swab	58	CSF VDRAL)	
Ear Swab	13	Blood Bank VDRS	2023
Anti-bictic sensitivity Test	1140	Blood Widal	544
Pleuaral Fluid Culture	129	Blood Paul Bannel	--
Periotoneal Fluid	63	R. A. Test	474
Astic Fluid Culture	3	Pregnancy Test	319
Gastric Fluid Culture	--	Casoni's Test	--
Paricardial Fluid	--		

LABORATORY SCHOOL CLINIC :

HB	2732	CT	1139
TC	2668	Urine	948
DC	2669	Stool	668
ESR	1881	Sputim	206
BT	1139		

HISTOPATHOLOGY :

1.	Total Nos of Tissues received in Rajawadi Hospital.	2431
2.	Total Nos of Tissues Received from other Municipal Hospital.	259
3.	Total Nos of Block prepared	4986
4.	Nos of slide for Staining (Including Recent slides)	5740
5.	Fluids FNAC	270
6.	Slides prepared (Steaining)	824

BIOCHEMSTRY DEPARTMENT :

1.	Blood Glucose	20,005
2.	Blood Urea Nitrogen	11,537
3.	Serum Creatining	8,101
4.	Serum Uric-Acid	764
5.	Serum Cholestrol	2,328
6.	Serum HDL Cholestrol	499
7.	Serum Total Protein	5,373
8.	Serum Albumin	5,084
9.	Serum Total Bilimubin	6,243
10.	Serum Direct Bilirubin	6,603

11.	S.G.O.T.	8,739
12.	Serum Amylase	352
13.	Serum Calcium	311
14.	Serum Aikaline Phophatase	278
15.	Prothrombin Time	161
16.	Prothrombin Indes	161
17.	Serum Electrolyte Na.	6,791
18.	Serum Electrolyte K.	6,791
19.	Gastric Analysis	27
20.	Glycosolated Haemoglobin	483
21.	Triglycerides	483
22.	L.D.H.	46
23.	C.P.K.	189

APPENDIX NO. 7

Workload of Audiology & Speech Therapy :

No. of Audiogram done	705
TYpe of Speech Cases :	
Delayed Speech	15
Dyslalia	14
Stammering	13
Voice disorder	17
Nasality	2
Hard of Hearing	9
Aphasia	3
Dysarthria	4
MentalRetardation	2
Laryngection	1

PHARMACY SECTION (1989)

1.	Quantity of Stock solution perparation	3864
2.	Number of packets of tablets made	2314408
3.	Number of packets of powder prepared	Nil
4.	Number of O.P.D. Prescription account kept	65000
5.	Special preseription attended	Nil
6.	Prescription where special drug is issued and account is kept	Nil
7.	Syrup simples	Nil
8.	Stock mixture prepared	10800 Ltrs.
9.	Ointment prepared	175 Kgs.
10.	Lotion Prepared	4000 Ltrs.

ELECTRO-CARDIOGRAM SECTION :

1.	Indoor patients	4151
2.	O.P.D. Patients	3595
	TOTAL	7746

APPENDIX NO. 8
DEATH REPORT FOR THE YEAR 1989

DEPARTMENT	MALE	FEMALE CHILD	MALE CHILD	FEMALE	TOTAL
MEDICAL	210	104	1	-	315
SURGICAL	99	38	2	-	139
Ophthalic	1	-	-	-	1
BURN	50	238	-	2	290
M.I.C.U.	182	95	-	-	277
I.C.G.U.	19	3	-	-	22
L.W.	-	15	-	-	15
ORTHOPAEDIC	18	18	-	-	36
E.N.T.	5	4	-	-	9
SKIN & V. D.		-	-	-	--
Paedlatric	-	-	135	138	273
A. N. C.	-	-	-	-	-
P. N. C.	-	-	-	-	-
GYNAEC	-	4	-	-	4
PAED. SURG.	-	-	-	-	-
Total	**584**	**519**	**139**	**140**	**1381**

APPENDIX NO. 9
DEPARTMENT-WISE OPERATIVE WORK DURING 1989

DEPARTMENT	MAJOR	MINOR	TOTAL
ORTHOPAEDIC	749	5344	6093
OPHTHALMIC	563	202	765
E. N. T.	358	465	823
SURGICAL	837	1132	1969
GYNAEC	918	1300	2218
MINOR O. T.	--	3521	3521
TOTAL	**3425**	**11964**	**15389**

BRIHANMUMBAI MAHANAGARPALIKA
K. B. BHABHA HOSPITAL, BANDRA.

ADMINISTRATIVE REPORT FOR THE YEAR OF 1989

This Hospital continued to render Medical Relief Services to the sick and needy people in thi: 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 1989 is as under :-

HIGHLIGHTS

I.	**Exenditure**		
(A)	1. On Inpatients	Rs.	83,72,750/-
	2. On outpatieents	Rs.	80,47,470/-
(B)	Average, Cost Per Patients		
	1. On Inpatients	Rs.	118.30
	2. On outpatients	Rs.	15.20
II.	**Result Inpatients**		
	1. Scheduled Bed Strength		480
	2. Daily Average of Inpatients		303
	3. Admissions including those brought over previous year		18,698
	4. Discharged as :-		
	i) Relived		287
	ii) Asacured		16,674
	iii) Transfer otherwise Expire		495
	iv) Remaining in the Hospital on the last day of the year		343
	v) Daily Average No. of Admissions		68
	vi) Average stay of Inpatients		8
	vii) Highest No. of Inpts in a single day		393
	viii) Highest No. of Admissions in a single day		103
III	**OUT PATIENT**		
	1. New Out-patients Attendance		2,69,542
	2. Total Out-patients Attendance		7,64,869
	3. Daily Average of Outpatients		3,083
	4. Highest O. P. D. Attendance in a Single day		4,278
	5. No. of Casualty Attendance		62,928
(C)	**OPERATION**		
	1. Major Operations		3,680
	2. Minor Operations Including M. O. T., O.P.D. & Casualty		20,432
(D)	**CONFINEMENTS**		
	1. Booked Cases		6382
	2. Emergency Cases		128
	3. NORMAL CASES		4,955
	4. Abnormal Cases		778
	5. Left-before delivery		61
(E)	**NEO-NATAL & MATERNAL DEATHS**		
	1. Maternal Deaths		4
	2. Neo-Natal Deaths		139

3.	Still Birth	126
4.	Premature live born infants	307
(F)	**SPECIALISED TREATMENT**	
1.	Sterilization Male	4
2.	Sterilization Female	451
3.	I. C. U. D. Insertion	458
4.	M. T. P.	417
5.	Diseasewise distribution of case treated & deaths including & 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 & Obstretic
5. Anti Natal Clinic (A. N. C.)
6. Past Natal Clinic (P. N. C.)
7. E. N. T.
8. Skin & S. T. D.
9. Opthalmic
10. Occupational Therapy & Speech Therapy
11. Patholgical 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 Treatment Clinic
17. Issue & Authentication Centre Of International Health Certificates & Innoculation Centre.
18. Immunization Centre Of B. C. G., POLIO, Triple.
19. Speech Therapy & Audiology
20. Food Handling Scheme
21. Mobile Dispensaries
22. Minicipal Medical Examiniation (M. M. E. / L. M. M. E.)
23. Casualty
24. Inserice Training Programme For Medical, Para-medical & Laboratory Staff.
25. E. C. G. Department
26. X-ray Department
27. Orthopaedic
28. I. C. C. U. & I. C. U.
29. Psychiatric & Drug Addiction
30. Premature Baby Units
31. Paying Beds
32. Septic Wards
33. Ayurvedic
34. Homiopathy

35. Ultra Sonography
36. Eco-cardiography
37. Special Paying Beds
38. I. P. C. U. - I. P. C. U. - I. C. U.

IMMUNIZATION WORK DURING THE YEAR 1989 IS AS FOLLOWS

Immunization	1st Dose	2nd Dose	3rd Dose	4th	5th	Dooster
1. Triple Vaccination	2,752	1,746	1,695	-	-	785
2. Polio Vaccination	2,178	1,547	1,002	-	-	956
3. Tetanus Vaccination	5,297	3,813	2,393	-	-	-

O. P. D. T. T.	26,844
New Born Baby Given B. C. G.	NIL
O. P. D. under 1 to 14 yrs. Child given B. C. G.	6,719
Anti Cholera	3,423
T. A. B.	2,476
Dominicialiry visits by the Health Visotors (Excluding F. B.)	3,018
Family Planning Visits	NIL
Well Baby Clinic (Supply Milk etc.)	NIL

ATTENDANCE OF PATIENTS

O. P. D. Total Attendance			7,64,869
Casualty Total Attendance			62,928
Total Admission			18,698
New Born Babies			
Male	– 3,059	)	
		) 5,549	
Female	– 2,490	)	

MINICIPAL STAFF DISPENSARY

New Cases	4,348
Old Cases	4,973
Total Cases	9,321

A. R. V. CASES TREATED DURING THE YEAR 1989

New Cases	2,363
Total Cases	23.951

MEDICO-LEGAL WORK

Type of Medico Legal Cases Registered during the Year.

Average No. of Cases Reg/day	Accident	Homcide	suicide	other	Total
60	10,069	1917	4792	29915	464

Type of Medico-Legal Work Done During the Year

1. Consumption of Poisoning Drugs ect
2. Minor & Major Injuries
3. Assualts Injuries
4. Vehicular Injuries
5. Burn Cases
6. Food Poisoning Cases

LIST OF THE MEDICAL OFFICER

NAME OF THE MEDICAL OFFICER	DESIGNATION
Dr. (Smt) P. S. Paralkar	Medical Superintendent
Dr. (Smt) N. C. Joshi	Medical Officer (admn)
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. Mengle	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. Kamble	Asstt. Medical Officer
Dr. Pattani	Asstt. Medical Officer

LIST OF HONARARIES AND ASSTT. HONARARIES

NAME OF THE DOCTORS	UNITS	WORKING AS
1. Dr. (Smt) P. S. Paralkar M.D.D.G.O.	Gynaec & Obst A.N.C./P.N.C.	Full Time Gynaecologist
2. Dr. (Smt) A. M. Joshi M. D. D. G. O.	-"-	Asstt. Hon. Gynaecologist
3. Dr. Shrikant Purandare	-"-	-"-

NAME OF THE DOCTORS	UNITS	WORKING AS
4. Dr. A. M. Virkud M.D.D.G.O.	-"-	-"-
5. DR. M. K. Joshi M.D.D.Ch	Paediatric	Honorary Peadiatrician
6. Dr. (smt) S. S. Wagh M.D.D.Ch	-"-	Honerary Asstt. Paediatrician
7. Dr. A. R. Bhide M.D.D.Ch	-"-	Honorary Asstt. Paediatrician
8. Dr. Ulahas Nadkarni M.D. (Bom F.I.C.A)(U.S.A.)	Medical	Hon. Asstt. Physician
9. Dr. Ajit Desai M.D. (Bom)	-"-	Hon. Asstt.
10. Dr. J. B. Shah M. S.	Surgical	Hon. Asstt. Surgeon
11. Dr. S. S. Kowli M.S. (Bom)	-"-	-"-
12. Dr. N. S. Chari M.D.D.U.D.	Skin	Asstt. Hon. Skin & S.T.D.
13. Dr. H. K. Shevde M.S. (E. N. T.)	E. N. T.	Asstt. Hon. E. N. T. Surgeon
14. Dr. A. S. Probhu M. S. Opthalmic	Opthalmic	Asstt. Hon. Opthalmic Surgeon
15. Dr. Vasant Shrvale M. D. S.	Dental	Asstt. Hon. Dentist
16. Dr. L. U. Buttani	Dental	Part-Time Dentist
17. DR. C. J. THAKKAR M. S. Ortho	Orthopardic	Asstt. Hon. Ortho. Surgeon
18. Dr. R. D. Kamath, M. S. Ortho	-"-	-"-
19. Dr. Ajit Dandekar	Psychiatric	Asstt. Psychiatric

FOOD HANDLING SCHEME

This Hospital Conducts Food Handlings Proramme to Check Hotal & Canteen Workers

No. of Patients attend food handling scheme department during the Year of - 1989	3,079

MUNICIPAL MEDICAL EXAMINATION

No. of Patients attend Municipal Medical Examination during the year of - 1989	2,887
Male Medical Examination (New)	
Female Medical Examination (Old)	7,015

LADY MUNICIPAL MEDICAL EXAMINATION

Lady Municipal Medical Examination (New)	673
Lady Municipal Medical Examination (Old)	1,965
Total No. of Municipal Medical	12638

MOBILE DISPENSARIES ATTENDANCE

Mobile Dispemsaries (m.v. No. 1)	)	
Mobile Dispensaries (m.v. No. 2)	)	23,431

Closed From :- 1/4/1989.

Blood Bottles were collected & used as under :-

1.	Total No. of Blood Bottles Collected	773
2.	No. of Voluntary Donors	540
3.	No. of Replacement Donors	398
4.	Brought from other Hospital	216
5.	Bottles used for the Hospital.	591
6.	Bottles send to other Hospital	328
7.	Bottles send for Plasma	117
8.	Bottles discharged	70

The relatives of the patients were motived to donate Blood, Various social C approched for organization Conpaigns of Blood donations. The various organisation arranged the Blood Donation drives for the Hospital.

RADIOLOGY

The work done during the year as under :-

Investigation	Ind-patients	Out-patients
1. Barium Meal Stomachocnum	318	395
2. Barium Enema	22	18
3. Barium Swallau	18	22
4. Oral Cholestogram	7	27
5. Use thregraphy	16	46
6. I.V. Pyologram	73	108
7. Histoslaingraphy	41	165
	495	781

TOTAL No. of Patients X-ray taken during the Year of - 1989. -- 36,142

PATHOLOGY

The Pathology report of the various test for the Year - 1990 is as follows :-

1.	Blood Routine	21,343
2.	E. S. R.	10,431
3.	P. C. V.	9,080
4.	Urine Rt.	20,009
5.	Blood Rt.	5,130
6.	V.D.R.L.	18,743
7.	Widel	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	5,963
13.	S. G. O. T. & P. T.	980
14.	C. S. F.	772
15.	Body Fluid	109
16.	Sr. Billirubin	469
17.	Sr. Protine	469
18.	Sr. Greata	2,809
19.	Sr. Cholesterol	1,563
20.	Electrolyle	1,164
21.	P. T. P. T.	1,164
22.	Peripherical	191
23.	Sesoil	689
24.	Sputum A. G. B.	789
25.	Alkaline Phosphate	143
26.	Grain staining	122
27.	A. N. C.	6,343
28.	Histopath	1,942

ELECTRO CARDIOGRAM

E. C. G. Diagnosis during the year of 1989 is as follows :-

1.	Chest Pain	849
2.	I. S. D.	968
3.	Hypesternsion	193
4.	Bramchiocardia	87
5.	Breathlessness	190
6.	Within Normal Limit	266
7.	P. C. U.	42
8.	Anteaior Ing.	43
9.	High B. P.	260
10.	A.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 Trachycardia	17

Total No. of E. C. G. Taken during the Year of 1989. 2,031

PHARMACY

Pharmacutical Preparation for Indoor & Outoor Patient done during the Year is as under :-

1.	No. of Packets of Tablets made	17,000
2.	Quality of Stock mixture prepared	12,950
3.	Stock Mixture Preparation	16,500
4.	Oinment Preparation	800

5.	Lotion Prepaired Calamime	7,000	
	B. B.		590
	C. Violet	2,000	
	Acriflasion	2,000	
	Sodium Hyph	2,000	
6.	No. of Packet Powers	Nil	
7.	No. of Preparation account Hosp.	Nil	
8.	No. of Preparation where special drugs accounts kept.	8,000	

METROPOLITIAN MAGISTRATE & SESSION COURT CASES ATTENDED

A. M. O.'S & C. M. O.'S DURING THE YEAR IS AS UNDER :-

1.	METROPOLITION MAGISTRATE COURT CASES	57
2.	SESSION Court Cases	18
3.	CORONOSS Court Cases	–
4.	VEHICULAR ACCIDENT CLAIN TRIMUNAL	3
5.	Judicial Magistrate Court	–
6.	A. C. P.'s Inquiries	–

ISSUE INJURY CERTIFICATES FOR POLICE DEPARTMENT :

Issues Injury Cestificates for Bandra, Nirmal Nagar, Mahim Kherwadi, Snatacruz, Vile-Parle, Matunga, Dadar, Railways Police Station :-	2,018
No. of Private Injury Certificates Issued	97

PHYSIO & OCCUPATIONAL THERAPY

Indoor Patients	708
Outdoor Patients	13,165
TOTAL	13,873

Audio & Speech Therapy

Out Patients

Nursing Section

During the year under reference number of Nursing Staff working at this Hospital as under:-

Sr. Asstt. Matron	1
Jr. Asstt. Matron	1
Sister In-Charge	23
Full Trained Nurses	39
Auxillary	91
Mid-Wife	Nil
Health Visitors	2
	153

FAMILY PLANNING CLINICS

1.	No. of persons contained for F. P. Education	920
2.	No. of Cases given advice	5,990
3.	No. of active cases following F. P. Advice	1,280
4.	Clinical Attendance	7,000
5.	No. of Persons	26,090
6.	Vancutomy Done	43

7.	Tubectomy Done	58(
8.	No. of Cases supplied packs of Nirodh	57,16(
9.	No. of Patients supplied contraceptivepills	1,08(
10.	No. of Cases M. T. P. Done during the Year	58(
11.	No. of Cases supplied Loops	62(

DISEASE WISE DEATHS DURING THE YEAR OF - 1989.

I.	**PAEDIATRIC UNIT**	
1.	Gastro Entrilies	3:
2.	Branco Pnumaria	5(
3.	Pnumonia	1(
4.	Bramchitis	1!
5.	Branchopnumonists	!
6.	Aspiration C. Pnumoria	1(
7.	Encephalitis	2(
8.	Tubesalosis Meningitis (TBM)	2(
9.	Branchitis C. C. C. F.	!
10.	Anemia	4
11.	Marassun	;
12.	Cardia Resp iratory Failure	4(
13.	Septinicia	1
14.	Pyogenic Meningities	7
15.	Post measels C. Branchoprumonia	–
16.	Prematurily	!
17.	Post measeb C. Brencho	1
18.	Encephaolitis	1;
19.	Acute Nephritis	1
20.	Meningo Coccal Meningitis	1(
II.	**MEDICAL UNITS**	
1.	Cardio Respiratory Failure	4(
2.	Cerebro Vascular Accident	2(
3.	Hypertension C. C. F.	1!
4.	Anemia C. C. C. F. c. Hypertension	14
5.	Plum' Kochi's	8
6.	Inschemic Heart Diseases	12
7.	Giddiness & Uncounclous	10
8.	I.C.C. Over	4
9.	C. C. F.'s Kochi's	9
10.	TBM	21
11.	Anocbic Calatis	1
12.	Hepatic Failure & Cirrhesis CF.	3
13.	Hepatic Cecular Failure	1
14.	C. A. Stomach with Seccondary Lives	4
III.	**SURGICAL UNIT**	
1.	Accident Injury	46
2.	Tissue Perforation	15
3.	Acute Haemorrhaqe penefricalities	26
4.	Post Operative Conplication	12
5.	Severe	
	Total :	**0543**

T. B. CLINICS

Due to shortage of accomodation T. B. cases were treated in the Hospital in general O. P. D. Medical Unit. The Patients who were diagnosis were refer to hereby Municipal Dispensary for further treatment. However, streptomycin injection given to Hospital to those patient who were residing in the of this Hospital.

Total No. of Patients during the Year - 1989. . . . . .12,009.

AMBULANCE FACILITIES

One Ambulance van attached to this Hospital for round O'clock service. The van was made available to 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 to general public at scheduled rates.

MOBILE VAN DISPENSARIES

Two mobile vans are attached to this Hospital for sick & needy people residing in slum where no medical Facilities are available. (Mobile service were closed from : 30/4/1989.

Paying Beds

The schemes of Paing Beds have been introduced with affects from 7th Nov, 1982. This Hospital have two separate Paying Wards for Male & Female. The Patients have goven good respainse for this scheme.

CURRENT BED STRENGTH

On 30th April, 1987 this Hospital has opened new expansion building & bed strength is increased upto 484 Beds.

Medical Superintendent
K. B. Bhabha Hospital, Bandra.

DISTRIBUTION OF BEDS

Sr. No.	Departments	No. Of Beds
1.	Medical	60
2.	Surgical	60
3.	Orthopaedic	60
4.	Paediatric	63
5.	Premature	11
6.	Gynaec	32
7.	Obstrectrics	54
8.	Int. Obst.	4
9.	A. N. C.	10
10.	Skin	30
11.	Opthalmic	30
12.	E. N. T.	30
13.	Psychiatric	30
14.	Family Planning	10
	Total	484

APPENDIX - I

Summary of Indoor admission, discharged, deaths & last remaining to departmental unit.

Sr. no.	departments	Admissions With Last Remaining	Discharge	Transfer To Other Hospital	Deaths
1.	Medical	2740	2578	108	268
2.	Surgical	2165	1935	68	96
3.	Pardiatric	3109	2881	86	195
4.	Gynaecology	1125	1116	3	--
5.	Maternity	6382	6120	10	--
6.	E. N. T.	703	698	--	--
7.	Skin	--	--	--	--
8.	Opthalmic	718	696	--	--
9.	Orthopaedic	1318	1291	20	--
10.	Casualty	--	--	--	--
11.	A. N. C./P. N. C.	518	507	--	--
TOTAL		18698	17704	295	543

O. P. D. WISH DEPARTMENTAL ATTENDANCE

Sr. No.	Departments	Male	Female	Male Child	Female Child	Total
1.	Medical	78897	76799	--	--	155696
2.	Surgical	40707	35566	22436	15614	114385
3.	Skin	28424	29566	15959	17000	90581
4.	Paediatric	--	--	52209	46357	98566
5.	A.R.V.	11116	7140	5089	4581	27926
6.	O.T.P.T.	7358	6965	3285	3246	20854
7.	Gynaec	--	22170	--	--	22170
8.	A.N.C.	--	43823	--	--	43823
9.	P.N.C.	--	--	7957	7128	15085
10.	Dental	8168	4176	5169	3855	21358
11.	E.N.T.	12789	8880	11866	10282	43817
12.	Opthalmic	20205	12509	9232	10242	52188
13.	Orthopaedic	16642	15306	14221	7205	53374
14.	Speech & Audiology	1361	1106	1093	983	4546
15.	Psychiatric	110	95	60	35	300
	Total	225777	265050	147495	126531	764869

CASULTY WISH DEPARTMENTAL ATTENDANCE

Sr. no.	Departments	Male	Femele	Male Child	Female Child	Total Child
1.	Medical	7189	4144	--	--	11333
2.	Surgical	13865	8155	4801	3969	30790
3.	Skin	--	--	--	--	--
4.	Paediatric	--	--	787	659	1446
5.	A.R.V.	2249	1195	291	259	3994
6.	O.T.P.T.	--	--	--	--	--
7.	Gynaec	--	1053	--	--	1053
8.	A.N.C.	--	--	--	--	--
9.	P.N.C.	--	--	--	--	--
10.	Dental	190	89	34	36	369
11.	E.N.T.	289	261	261	246	1054
12.	Opthalmic	306	108	127	188	757
13.	Orthopaedic	4358	3033	2143	1559	11091
14.	Speech & Audiology	--	--	--	--	--
15.	Psychiatric	--	--	--	--	--
	Total	**28480**	**18038**	**8444**	**7956**	**62928**

O.P.D. ATTENDANCE. 764869

CASUALTY ATTENDANCE. 62928

827797

Medical Superintendent
K.B.Bhabha Hospital, Bandra.

BRIHANMUMBAI MAHANAGARPALIKA
DR. R. N. COOPER MUN. GEN. HOSPITAL, JUHU.

In the year 1989-90 Dr. R. N. Cooper Municipal General Hospital, Juhu has complected 19 years of rendering Medical relief to the alling persons in the western suburbs of Bombay.

MEDICAL SUPERINTENDENT

Dr. (Smt.) S. K. Pershad, M.B.B.S., D.G.D. Medical Superintendent was transferred from Rajawadi Hospital to Dr. R. N. Cooper Municipal General Hospital, Juhu from November 1984 and continued to held the post throughout the year.

ASSISTANT MEDICAL OFFICER (Admn.)

Dr. (Smt.) A. S. Shrivastav, M.B.B.S. is appointed from 8.6.1987.

ASSISTANT MEDICAL OFFICERS

1. Dr. (Smt.) H. A. Mangat, M.D.D.C.H.
2. Dr. V. S. Bhalerao, M.B.B.S.
3. Dr. M. U. Ragate, M.B.B.S.
4. Dr. A. K. Sahu, M.B.B.S.
5. Dr. R. R. Tripathi, M.B.B.S.
6. Dr. R. N. Dhyawarkonda, M.B.B.S.
7. Dr. S. S. Padgaonkar, M.B.B.S.
8. Dr. R. J. Shah, M.B.B.S.
9. Dr. S. J. Mehta, M.B.B.S.
10. Dr. G. B. Painter, M.B.B.S.
11. Dr. S. B. Jain, M.B.B.S. Jr. 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., Physician Honorary.
3. Dr. A. K. Joshi, M.D., Honorary.
4. Dr. J. S. Barve, M.D. Assistant Honorary.

SURGICAL DEPARTMENT

1. Dr. D. K. Dastur, M.S.(Bom.) Honorary Surgeon.
2. Dr. S. R. Padhye, M.S. Honorary Surgeon.
3. Dr. M. M. Hindalekar, M.S., Assitant Honorary.
4. Dr. S. V. Shetty, M.A.M.S., M.S. Honorary.
5. Dr. A. C. Pinto, M. S. Assistant Honorary.

PLASTIC DEPARTMENT

1. Dr. A. M. Rao, M. S. (Plastic) Surgeon Honorary.

OBST. & GYNAECOLOGY DEPARTMENT

1. Dr. S. H. Shah, M.D.(Bom.), D.G.O., D.F.P., F.C.P.C., Honorary.
2. Dr. R. M. Sarogi, M.D.(Bom.), Hon. Asstt., M.D.F.C.P.S.D.G.O.
3. Dr. S. S. Painitkar, M.D.(Bom.) D.G.O., F.C.P.S., M.R.C.O.G.(Lon.) Honorary.
4. Dr. A. G. Kale, M.D.(Bom.), D.F.P.F.C.P.S., Assistant Honorary.
5. Dr. S. D. Chaubal, M.D., D.G.D., D.F.P., Honorary.
6. Dr. S. J. Penkar, M.D., D.G.O., D.F.P., Honorary 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.M., Honorary.
3. Dr. P. N. Patnekar, M.D. (Paed.), D.C.M., Honorary.
4. Dr. V. S. Kulkarni, M.D., D.C.R., Assistant Honorary.

ORTHOPAEDIC DEPARTMENT

1. Dr. R. N. Katre, M.S. (Ortho.), Honorary.
2. Dr. A. R. Karkhanis, M.S., Assistant Honorary.
3. Dr. R. H. Pathak, M.S., Assistant Honorary. Head of the II Unit.
4. Dr. D. D. Shah, M.S. (Otho.), 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.P.R.L. (E.N.T.) Hon. Asstt. Surgeon.
3. Dr. S. S. Joshi, M.S., D.O.R.L., Assistant Honorary.

RADIOLOGY DEPARTMENT

1. Dr. L. M. Pancholia, M.D. (Radiology), D.M.R.E., Honorary.

PATHOLOGY DEPARTMENT

1. Dr. S. A. Nimbkar, D.D.F.E. Assistant Honorary.
2. Dr. F. F. Candes, Assistant Honorary.

ANASTHESIA DEPARTMENT

1. Dr. U. V. Desai, M.D. (Bom.) Associate Anaesthetist Honorary.

SKIN & V. D. DEPARTMENT

1. Dr. M. V. Dhurandhar, M.B.D.V.D.F.C.P.S.F.C.A.I.F.A. (U.S.A.) D.T.M.H. (Lond.) Head of the Unit. (Resigned)
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. R. Gandhi, D.O.M.S., M.S.P.O. (Lond) F.R.C.S. Honorary.
3. Dr. V. N. Vahia, M.D.D.P.M. Honorary.

OPHTHALMIC DEPARTMENT

1. Dr. T. S. Ursekar, M.S., F.A.C.S., Head of the Unit resigned from June 1987.
2. Dr. M. V. Patel, M.S., D.O.M.S., F.C.P.S. Assistant Honorary.

DENTAL DEPARTMENT

1. Dr. A. N. Shroff, D.D.S., Dental Surgeon.
2. Dr. V. C. Shroff, D.D.S., Dental Surgeon.
3. Dr. B. S. Shroff, M.D.S. Dental Surgeon.
4. Dr. N. B. Wadgama, B.D.S., Dental Surgeon.

NEONATOLOGY DEPARTMENT

1. Neonatology Clinic is started from 1.8.78 and conducted by Dr. G. S. Hathi, Dr. P. N. Patnekar, (Paed).

SPECIAL CLINICS

Family Welfare Centre & Post Partum Programme

1. Dr. S. K. Sehgal, M.B.B.S. Full Time Medical Officer, for Family Welfare Centre under the Hon. Staff of Obst. and Gyn. Dept.

NEUROSURGERY CLINIC

1. Neurosurgery O.P.D. is conducted with the help of Neurosurgery Department of K.E.M. Hospital on every Wednesday from 1.00 p.m. to 4.00 p.m.

T. B. CLINIC

1. The post of Honorary Chest Physician is vacant since March 1987.

NAUTRITION CLINIC

1. Nutrition clinic is attached to Paed, O.P.D. and works on every Friday from 9.00 a.m. to 4.00 p.m. It started functioning from February 1972.

HANSEN'S CLINIC

1. Hansen's Clinic is managed by Acworth Leprosy Hospital, Wadala and is conducted on every Thesday from 9.00 a.m. to 4.00 p.m.

DIABETIC CLINIC

1. Diabetic Clinic is conducted by Dr. A.K. Joshi, on every Thursday from 8.00 a.m. to 10.00 a.m.

Immunization Clinic

1. Aftached to Paediatric O.P.D. & works on every day except on holiday from 9 a.m. to 1 p.m.

Ultra Sonographys Clinic

Ultra Sonography Clinic works under Ob. & Gyn. Deptt. on every day from 10.00 a.m. to 2.00 p.m.

SCHOOL CLINIC

School Clinic department started from July 1973, The post is vacant.

LECTURES

1. Dr. S. S. Desai (Ortho.)
2. Dr. H. S. Bhende (Ortho.)
3. Dr. P. K. Parikh, M.S. (E.N.T.)
4. Dr. G. A. Shinde, M.S. (Ob. Gy.)
5. Dr. M. N. Motwani (Gy.)
6. Dr. N. M. Maldeo (Gy.) M.D.
7. Dr. Arunkumar Prasad, M.D. (Paed.)
8. Dr. S. B. Bavdekar, M.D. (Paed.)
9. Dr. B. D. Pandya, M.S. (Surg.)
10. Dr. S. N. Kanthe, M.S. (Surg.)
11. Dr. Smita Dasgupta (Ophth.)
12. Dr. N. M. Sapru, M.D. (Psy.)
13. Dr. S. S. Jaisingh, M.D. (Med.)
14. Dr. P. P. Jathda (Med.)
15. Dr. M. Motla, M.D. (Skin.)
16. Dr. K. C. Thakkar (Radiology)
17. Dr. Rita Drawa (Lacturer) Radiology

TUTORS

1. Dr. Prabhu, M. D. (Patha.)

LEAVE PERIOD OF HEAD OF THE DEPARTMENT

Sr. No.	Designation	Name of the Officer	Qualification	Period From	To
1)	Department of Medicine Honorary Physician	Dr. R. D. Darne	M.D.M.R. C.P.I.C.	03-10-89 03-11-89	to 02-11-89 to 11-11-89
2)	Dept. of General Surgery. Honorary Surgeon.	Dr. D. K. Dastur	M.S.	01-12-89	to 31-12-89
3)	Dept. of Gynaec. Honorary Obst. & Gynaecologist.	Dr. S. H. Shah	D.G.O. D.F.T., F.C.P.S.	02-05-89	to 26-05-89
4)	Dept of Orthopaedies Honorary Surgery Ortho.	Dr. R. N. Katre	M.S.	01-12-89	to 31-12-89
5)	Dept. of Paediatrics, Honorary Paediatrician.	Dr. G. S. Hathi	M.D.	15-11-89	to 14-12-89
6)	Dept. of Ophthalmic Honorary Surgeon Ophthalmology.	Dr. V. H. Gandhi	D.O.M.S. M.S.P.O. F.R.C.S.	11-11-89	to 10-12-89
7)	Dept. of E.N.T. Honorary Surgeon E.N.T.	Dr. P.D. Karnik	M.S.F.I. C.S.	22-05-89 04-07-89	to 25-05-89 to 13-07-89
8)		Dr. S. P. Wagh	M.B.B.S. S.M.S.	20-10-89	to 08-11-89
9)	Skin	Dr. Deshpande	F.C.A.I. F.A.C.A. D.T.M.H.	01-12-89	to 31-12-89
10)	Skin	Dr. M. W. Dhurandhar	M.E.D.V.D. F.C.P.S.	- NIL -	
11)	Dept. of Psychiatric	Dr. N. S. Vahia	M.D.F.R.C.	- NIL -	
12)		Dr. V. N. Vahia	M.D.D.P.M.	31-05-89 11-12-89	to 09-06-89 to 31-12-89

HOSPITAL

1) Expenditure :

1) Amount spent on Inpatients	:	1,99,55,292
2) Amount spent on Out-patient	:	1.32,78,489
3) Total Expenditure excluding cost of new works.	:3 crors 32 lacks.	

2) Approximately :

1) Total varibale cost per Inpt. per day.	...	40.93
2) Variable cost per Out-pt. per day.	...	1.93
3) Fixed cost per Inpt. per day.	...	84.99
4) Fixed cost per Out-pt. per day.	...	5.87
5) Total cost per Inpt. per	...	125.92
6) Total cost per Out-pt. per day.	...	17.80

3) A) Results :

1) Schedule bed strength	...	520
2) Daily average In-pt. in the wards.	...	491
3) Total no. of Admission including those brought	...	28096
4) Over from the previous year Daily average No. of Admission	...	80
5) Total no. of patients	...	23307
6) Discharged		
i) Left against medical advice.	...	871
ii) Remained in the hospital on the last day	...	479
iii) Expired including Neonatal & still Birth	...	2023
iv) Average stay of inpatient.	...	6 days
B)1. Total no. New Out-patients Admission	...	1,96,814
2. Daily average no. of Out-patients (New)	...	646
3. Daily average no. of Out-patients (New & Old)	...	5,90,442
4. Daily average no. of Out-patient Attendance	...	1936
5. Total no. of Casualty Attendance	...	53,308
6. Causualty Attendance Medcolegal	...	21,645
7. Daily average Casulaty Attendance	...	147

		F.P.		
C) 1. Total No. of Operation In-patient	8887	+ 1201	=	10,088
2. Total no. of Operation Out-patients		...		19,752

Confinement :	1) Booked cases	...		1856
	2) Emergency cases	...		798
	3) Normal	....	2021}	
	4) Abnormal	...	671}	2692
	5) Neonatal and Meternal Deaths :			
	i) Neternal deaths	...		11
	ii) Neonatal Deaths	....		9
	iii) Still Births	...		159
	iv) Premature Infants	...		183
	v) Sterlination : 1) Male			3
	2) Female			596

III) RADIOLOGY

1. Total no. of patients investigated	...	54,591
2. Total no. of X-rays taken	...	72,732

Special Investigation :

1.	Barium Meal F.T.	318	11.	Barium Enema	70
2.	Barium Meal S. D.	113	12.	Silogram	3
3.	Barium Swallow	74	13.	Cavitogram	3
4.	I.V.P.	248	14.	Spleenoportogram	1
5.	Pylogram	7	15.	Sinogram	7
6.	H.S.G.	87	16.	Cologram	12
7.	Oral cholecystography	10	17.	Venogram	5
8.	Myelegram	42			
9.	Fistulegram	1			
10.	Cystourethrogam	46			

BLOOD - BANK

1. Grouping of O.P.D. Patients	...	5.020
2. Grouping of veluntary donors	...	220
3. Grouping and cross matching of indoor patients.	...	15.506
4. Collection of blood lby camps	...	1.115
5. Replecement by donors	...	3,509
6. Supply of blood bags to wards	...	4.075
7. Antibody Titre	...	117
8. Coomba' serum test	...	310
9. A.N.C. Grouping	...	2.665
10. Serum Grouping	...	4.261
11. Autralia Antigen (HBs Ag)	...	4.825

SCHOOL CLINIC

1) Total no. of school children treated		
i) New	...	39,80
ii) Repeat	...	11819
iii) Referred	...	15199
2) Total expenditure of clinics	...	4,85,556

IV) PSYCHOTHERAPY AND OCCUPATIONAL THERAPY

1. Total no. of attendance at the centre.		
i) Total no. of Out-patients	...	39,808
ii) Total no. of In-patients	...	13,172

Emergency Truma Unit was started on 1.11.82.

CHARGING OF FEES FOR OUTDOOR AND INDOOR PATIENTS

Charging of fees for Out-door and Indoor patients was started from 1.4.82 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. and I.P.D. 4th Delivery, Paying and renewal as per above circular no. ... 10,86,648

Hearse and Ambulance Services :

The Ambulance services are available in emergency to any ailing patient round the clock for toansfer of patientsto other hospitals. One hearse is provided for removing dead bodies at the hospital for western suburbs.

Total income from Ambulance and Hearse during the year under the report was Rs. 22,661/-

STATEMENT SHOWING THE REVENUE FROM THE HOSPITAL DURING 1989 :

Months 1989	Paying Renewal Rs.	Indoor Idmission Rs.	O.P.D. Delivery Rs.	4th Collection Rs.	Scrap Rs.
January	46,682	17,620	24,908	450	-
February	51,975	14,820	24,270	-	-
March	53,088	16,920	26,594	150	9,770
April	40,102	15,550	24,486	-	-
May	45,480	16,250	26,092	300	-
June	47,135	16,470	27,274	150	-
July	43,257	16,170	24,902	300	15,404
August	50,697	17,410	27,548	300	29,420
September	55,457	17,620	30,086	150	-
October	44,912	16,870	27,656	150	-
November	47,672	17,120	29,826	150	-
December	43,527	17.100	28,134	150	-
Total:	**5,69,984**	**2,17,540**	**2,96,874**	**2,250**	**54,594**

Grand Total : 11,41,242

MEDICAL RECORD DEPARTMENT

In-patient Division :

The number of schedule bed strength during the year was 520. During the year 1989 the average no. of In-patient in the hospital was 491 against 520 and 523 during the year 1988 and 1989 respectively. The total no. of patients admitted for hospitalization during the year under report was 27658 as aginst 29993 and 30021 respectively for 1988 and 1987. The average stay of In-patients was 6 days during the year under report.

Results of treatment of Indoor patients :

Out of total no. of 28096 including 438 brought over from the previous year 25762 were considred as cured, 871 left the hospital against medical advice or were otherwise discharged and 1844 died (excluding 159 still Birth and 9 Neonatal deaths. 11 Meternal Deaths, 9 Casualty Deaths.) At the end of the year 479 patients were In the hospital under treatment.

Deaths Classified :

Out of 1853 death's 629 died within 24 hours of admission, 372 after 24 hours and within 72 hours admission 669 death took place after three days from the date of admission. 183 premature infants deaths, 9 died at casualty. The figures are exclusive of 159 still Births and 9 Neonatal, 11 Maternal Death. Death rate was 5 against 5.1 during the last year.

Total number of autopsies performed during the year under the report was 711 against 681 and 701 for the year 1989 as against 5.1 and 6.1 for the year 1988 and 1987. All these authopsies were performed by the Additional Coroner's Surgeon.

Confinements :

During the year under report the total number of confinements were 2692 and abortions 773.

Operations : 10,008 operations were performed on In-patient and 19,732 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 1,96,814 against 1,96,085 in the year 1988 and 1,85,026 in the year 1987. The total no of Out-patient attendance (New & Old) including casualty case was 5,90,542 bringing the average total attendance 1,936 per day.

Casualty cases registered during the year were 53308 as against 54,483 and 62,071 during the year 1988 and 1987.

Medicolegal cases :

During the year under report the resident Medical Officer and Casualty Medical Officees attended the following courts for giving evidence in the Medico-legal cases.

1. Presidency Magistrate courts	76
2. Sessionds courts	18
3. Motor accidents Tribunal	28
4. Other Courts	7

During the year approximately 711 deposition were filled in the Coroner's court.

Medical Certificates :

1. Under Wormen compensation act	104
2. Medical Opinion certificates	3050
3. Injury certificate to patients in Medico-legal cases	1968
4. Injury certificates to Police in Medico-legal (free)	3402
5. Injury certificates to Municipal employee injury & leave (free)	1102
6. Certificate for Insurance purpose	555
7. Essentiality certificates for reinbursement of Medical expenses to Govt.	159

MOBILE HEALTH UNIT

A Mobile van was donated by Bombay Pradesh Congress Committee on 1.7.73. The Mobile health unit was started from 10.7.73 at this hospital. During the year under report Mobile Heaalth Unit has completed 15 1/2 years services. It was 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.

The following staffs is posted in the Mobile Health Unit.

1. One Interns
2. One staff Nurse.
3. One Labourer

Work done at Medical Mobile Health Unit in the year 1989.

1. Total No. of Pateints seen & treated (In the slum comunities)	3291
2. Total No. of referred to General Hospital	65
3. Total No. of Immunisation conducted	453

Mobile van has been discontinued from April 1989

MEDICO SOCIAL SERVICE DEPARTMENT

The social service department was started on 2.10.72 for cases needing Psyco-social worker who was appointed on 2.10.72. During the year under report social service department has completed 16 years.

Total cases for the year was 372, 563 patients were screened and seen for hospitalisation and advised to poor people regarding it. U.S.G., costly investigation and patients were screened for x-ray, costly drugs. Special attention was given to C.T. Scan 115 cases. Costly drugs like Cabellin, Albumin, Sepexin, Reflin etc. which was new form of investigation for treatment of serious patients. Anti 'D' 20 cases. 12 cases referred for Family Planning and 138 cases referred for unmarried patients 16 babies were given in adoption. 15 cases were for discharges. The new project such as 'Groundnut Distribution Project started for ANC expectent Mothers & Baby clothes were distributed to the deserving ones. 19 - Trace contact of T.B. patients. 6 - sponsorship and job. 5 - Infant warmers inpremward developed contacts with social welfare agency for acquiring.

Very poor and malnourished family were given ration on a temporary basis as a supportive treatment.

GYNAECOLOGY AND OBST DEPARTMENT

Following is the account to work done in the Gynaec and Obst. department during the year under report.

1. Total no. of O.P.D. Attendance (New)		11309	
2. Total no. of Admissions		6187	
3. Total no. of confinements -	Normal	2021}	
	Abnormal	671}	2692
4. Total no. of Booked cases		1856	
5. Emergency cases		798	
6. Total no. of Abortions:	1) Threatened	50	
	2) Incomplete	773	
7. Total no. of Operations:	Major	1440	
	Minor	591	

Unergraduates from G.S.M. College are attending the department for training. Postgraduate seminars and discussions are being held periodical 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 p.m. on all O.P.D. working days. During the year under report it has completed 19 1/2 years of services.

The staff consists of a full time Medical officer, store keeper-cum-clerk, attendant and a field worker. The following services offered :

1.	Distribution of condome	11285
2.	I.U.C.D. Insertions	568
3.	Oral Contraceptive	336
4.	Other convention contraceptives like diapham.	—
5.	Tubectomy : This included pureperal sterilization & both abdominal & vaginal	591
6.	Vasectomy	4
7.	The Medical Termination of pregnancy is started from April 1974 and total M.T.P. done during the year under report was.	576

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 service to those who desire it.

Following are the figures of attendance :

1. New cases	2261
2. Condome	11285
3. I.U.C.D.	568
4. Other convention contraceptives (Tab.)	336
5. Tubectomies	591
6. Vasectomies	4
7. Diaphragms	—
8. M.T.P.	576
9. Applicator with Jelly	—

IMMUNIZATION CENTRE :

Polio :	1st dose		4411
	2 nd dose		2245
	3rd dose		1767
	4th dose		1123
	5th dose		302
	Booster dose		793
		Total	10,651
Triple:	1st dose		2423
	2nd dose		1872
	3rd dose		1576
	Booster dose		738
		Total :	6,609
Tetanus :	1st dose		16645
	2nd dose		1936
	3rd dose		1522
		Total :	20,106

Measles	1004	H. B. Vaccine	23
Meningococle	31	T.A.B.C.	29
Cholera	171	D. T.	285
B. C. G. : OPD	2170	O. T.	4602
Ward	2031		
	4221		

Antirabic Treatment : 19197

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	2590
	New O.P.D.	14590
	Blood Tansfusion	27

B) **Post Natal Ward** The department also looks after babies born in the hospital.

Total Deliveries in the year ... 2695

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	Deaths	Mortality
1987	428	109	25.47
1988	453	101	22.29
1989	386	113	29.27

In addition, this year 186 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 O.P.D. for high risk babies is conducted once a week. School clinic is conducted five days a week. Nutrition clinic is conducted by a trained Nurse every day in the O.P.D. under the supervision of a Peadiatrician. The department supervises over 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 treaching undergraduate students of Seth G. S. Medical College by the University of Bombay. The staff members actively participate in the undergraduate teaching programme of Seth G. S. Medical College. In 1989, the university of the Bombay accorded the status of Post-graduate teacher to Dr. (Mrs.) S.Y.Joshi and Dr. V. S. Kulkarni.

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. Nurses referred to the hospital for B.C.G. traning course are trained by members of Immunization centre. Staff members actively participate in the teaching Programme of the Nursing school attached to the hospital.

Other activities for 1989. : The staff members take part in the Immunization camps conducted by the hospital as a part of their outreach services.

PREMATURE BABY WARD.

During the year under report 354 were admitted as Inpatient and 183 expired. There is a regular premature follow up once in a week which has shown good results. A well baby clinic is also run in O.P.D. by the paediatricians.

NUTRITION CLINICS

A Nutrition clinic attached to paediatric O.P.D. started functioning from February 1972. The work done in the year 1990

Total Nutrition clinic days	300
Total cases	1506
Feeding advice given	596

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 Gastroentrology clinic is run once a week in the morning. About 1159 diabetics (including new and old) are treated and followed up every week. Cardiology out-patients clinic is conducted on every Saturday to look after patients discharged from coronory care unit. This department has a staff of two-Registrars and three house officers.

The total no. of patients admitted during the year 1989, in the Medical units was 6335 (4093 Male, 2242 Female) as 6430 in the year 1988 and 6238 in the year 1987.

Heart disease patients were treated in the Medical ward during the year 1998. 7222 E.C.Gs. were taken during the year under report in the E.G.G. department. E.C.Gs. were also recorded in emergency cases in I.C.C.U.

I.C.C.U. : The department started functioning from 1.3.75. The total no. of patients admitted during the year 1988 in I.C.C. Unit was 654.

T. B. Clinic :	New cases		2252
	Old cases		17640
		Total	**19892**

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 graduate 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 emergenceles.
   - A. Poisoning.
   - B. Patients of metabolic coma.
   - C. Cardiac, neurological and other problems

3. Demonstration of word procedures.
4. Cases discussion during ward round.
5. Demonstration of interesting out-patient cases.
6. Discussion of related clinical investigations.
7. Discussion on therapy where applicable depending on stage of students.

DEPARTMENT OF GENERAL SURGERY.

Department of surgery consists of two surgical Units each staffed by Hon. Surgeons, Asstt. Hon. Surgon, Full time Surgical lecturers and a team of Residents which include tow registrars and 1st year and 2nd year 3rd year surgical residents.

The no. of schedule beds allotted to the surgical department is 30 in M.W. and 30 in F.W. for each Unit. Besides it has 11 beded surgical intensive care unit and 10 beded Burns Ward which is shared by both the units.

Minor surgery theatre and dressing department is attached to surgical O.P.D. and is managed by minor surgery registrar with the help of respective surgical units.

Surgical department is well equipped to manage both emergency and rourtine surgical problems. This institution also caters to the emergency cases of other suburban hospitals.

ACCOUNT OF WORK DONE BY GENERAL SURGERY.

1. Total New O.P.D. Attendance		17267	
2. Total Admissions		3111	
		Pl.	I.C.U.
3. Operations :	a) Major O.T.	2346+39	+ 328 =2713
	b) Minor O.T.	12075	
	c) Emergency	731	
	d) Total no. of Gastroscopies	564	
4. Total no. of patients treated in Minor surgery.		12076	
5. Total no. of Admission in I.C.U.		1091	

SPECIAL ACTIVITIES OF DEPARTMENT OF SURGERY

I) Burn and plastic surgery :

Patients of Burns are treated in burns ward by respective surgical unit under the guidence of Honorary plastic surgen.

Also other patients requiring plastic surgery management are managed by each surgical unit with the help of Honorary plastic surgeon, which also runs plastic surgery O.P.D.

II) SURGICAL I.C.U.

It is placed in casualty building of the hospital.

I.C.U. has 11 beds it is equipped with a surgical O.T. Ventilaters/Cardio-scope. It is manage by surgical resident who are there 24 hours. Orthopedic Trauma O.T. and medical I.C.C.U. are closely associated with surgical I.C.U.

I.C.U. basically caters to critically injured patients. Who are attended by a team of doctors on the spot like surgeon, Orthopedician, anaesthetist, Pysician.

Emergency surgical operations are performed in the O.T. attached to I.C.U.

It also provides care to high surgical risk cases.

3) NEUROSURGERY O.P.D.

Neurosurgical O.P.D. is conducted with the help of Dr. S. K. Pandya, Prof. of Neurosurgery, G.S.M.C. & his assistants of the Neurosugical dept. of K.E.M. Hospital on every Wenesday from 1.00 p.m. to 4.00 This is very helpful for the department of Surgery in managing patients requiring Neurosurgical care. Total number of cases which were seen in Neurosurgical clinics during 1989 is 459.

4) G. I. ENDOSCOPY :

Department of surgery is well equipped with flexible O.G.D. scope and a Suodenescope surgical department has Honourary and Asstt. Honorary who are trained in surgical endoscopy.

No. of endoscopies performed for 1989-564 + 143 (Med.) The department gets regular refferals for endoscopy from other suburban hospitals. We have catered to patients of L.T.M.G. Hospital while there endoscopy was out of order.

5) UROLOGY O.P.D.

The department of surgery has cystoscope and resectoscope. This provides Better quility of management for patients who can be treated by endoscopic surgery avoiding opensurgery. We plant to conducted Urology O.P.D. with the help of Dr. Pardanani, Prof. of Urology Surgery/GSMC/KEM Hospital in recent future.

DEPARTMENT OF PSYCHOLOGICAL MEDICINE

The department started functioning from 15.6.77. It has two Honorary, Three Registrars, two House Officers, One social worker, one clinical psychologist and one Occupational Therapist. One E.E.G. Technician, One Jr. Steno. The following is the statistical date of the work done during the year for the period 1989.

1. No. of O.P.D.s conducted during the year.	152
2. Total No. of new and ref. cases examined in O.P.D.	2635
3. Average No. of new and ref. cases examined per O.P.D.	208
4. Total No. of follow up pts. examined during the year	12736
5. Average No. of follow up pts. examined per O.P.D.	993
6. Total No. of new pts. ref. for ECTs during the year	128
7. Total No. of ECTs administered during the year	970
8. Average No. of ECTs administered per ECT day.	59
9. Total No. of new pts. ref. for Insulin therapy during the year	2
10. Total No. of Insulin sittings conducted during the years	78
11. Total No. of Indoor pts. ref. outside OPD hrs. during the year.	577
12. Total No. of Casualty referrals outside OPD hrs. during the years.	541
13. Total No. of new pts. admitted or transferred to ward No. 1	580
14. Average daily ward strength.	220
15. Total No. of new cases taken up for supportive psychotherapy.	223
16. Total No. of cases under supportive psychotherapy	105
17. Total No. of cases for sex education and counselling	274
18. Total No. of new cases taken up for Psychological testing during the year.	430
19. Total No. of testing sessions conducted	747
20. Total No. of session of counselling conducted during the years.	209
21. Total No. of new cases ref. for social data/case work.	743
22. Total No. of sessions of individual case work conducted	773
23. No. of pts. for Family Thereapy.	57

24.	Total No. of sessions for family therapy/envirounmental Modification/rehabilitative adjustments conducted during the year.	127
25.	No. of pts. ref. to Day Care Centre for observation for fitness to resume duty.	126
26.	Daily attendance at the Day Care Centre.	6-7
27.	New cases referred to C. G. C.	113
28.	Daily total attendance at the C. G. C.	276
29.	No. of new cases for Group Therapy.	373
30.	Total No. of patients for Group Thereapy.	704
31.	Marital therapy new cases during the year.	14
32.	Marital therapy No. of sessions during the year	20
33.	EEG - a) Recorded	349
	b) Appointment given	1005
	c) Waiting period	—

DEPARTMENT OF ORTHOPAEDICS

Orthopaedic department consists of two Honoraries and two Assistant Honorary, Four Registars and four house-officers. Following was the work done in this department during the year under report.

Out door Attendance	15777
Indoor Admissions	2,074
No. of operations	984 (Ortho. O.T.) + 7846 (Tr. O.T.) = 8830

The department is well equiped to cope up the large no. of trauma cases brought to the hopital. 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 effectives sterilization of implants rubber & P.V.C. surgical articles etc.

DEPARTMENT OF EAR, NOSE AND THROAT

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 to work done in the department during the year under.

Total New O.P.D. Attendance	8823
Indoor Admissions	887
Operations	2659

DEPARTMENT OF AUDIOLOGY AND SPEECH THERAPY

The functioning of the audiology and speech therepy unit started from 19-7-76. The unit has a part-time Audiologist on its staff. The following is the account of work done during the year under report.

Audiograms	1050
Speech cases	158
	Total 1208

DEPARTMENT OF OPHTHALMLIC

There are one Honorary, One Assistant Honorary, One Registrar and two house surgeons on its staff. The following is the account work done during the year 1989.

O.P.D. Attendance	8190
Indoor Admissions	866
Operations	1091

LOKNATH B. CHAR EYE BANK

Total Number of enucleations :	46
Method of use of eye balls :	
1) Keratoplasties	17
2) Preserved	3
3) Disposed	4
4) Request and supplied to other institutions and doctors.	
a) J. J. Hospital	43
b) K. E. M. Hospital	16
c) Lohis Eye Hospital	4
d) Vasal blind releif asso.	1
e) Dr. V. H. Gandhi	2
f) Dr. C. S. Bhandari	2
Total	68

KERATOPLASTY RECORD

Sr. No.	Name	Diagnosis	Type PKP	Results
1.	Sanjay Gupte	Adherent Icucoma	Optical	Opaque
2.	M. Jadhav	Total Comeal opacity	"	Clear
3.	Akhtar Hussain	-do-	"	Hazy
4.	Babu Ballanwalla	Comeal abacess	Therapeutic	Clear
5.	Dr. D.N.Chochad	Buullous k'pathy	Optical	Opaque
6.	Laxmi	Adherent Icucoma	"	Clear
7.	Ravindra	-do-	"	Opaque
8.	Pushpa	Comeal ulcor	Therapeutic	-do-
9.	Kamlakar	Comeal opacity	Optical	Clear
10.	Chandrabhaga	Comeal diphophy	"	Clear
11.	Harish	Adherent leucoma	"	Opaque
12.	Sanjay	Opaque graft	"	-do-
13.	R.M.Yadav	-do-	"	-do-
14.	Malan	Comeal opacity	"	Clear
15.	Tukaram	Comeal ulcer	Therapeutic	Opaque
16.	Imran	-do-	"	Clear
17.	Maniar	-do-	"	Clear

Total number of Keratoplasties :		17
Optical		12
Therapeatic		5
Results :	Opaque grafts	7
	Clear grafts	10

DEPARTMENT OF SKIN AND VENEROLOGY

During the year under report 13007 new cases were treated at the out-patients department and 43 were admitted as In-patient. The following investigations were carried out in the laboratory.

1. Skin Biopsy	172
2. Veneral disease caes	18,685

Hansen's Clinic : Hansen's clinic started from March 1974 and it functions on every Tuesday. During the year under report 2022 total cases were treated in the out-patient department.

DEPARTMENT OF DENTAL

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	8306	585
No. of dental extraction	2151	308
No. of scaling teeth	1	332
No. of X-rays recorded	347	13
No. of filling cement	—	—

DEPARTMENT OF SCHOOL CLINIC

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) deficiancy, Anaemia, Resipiratory Infection, Scabies, Pyoderma, Phyryngitis. Tosillectormy operations were performed on 34 cases in the year 1989.

Total No. of school children treated.

I) New	3380
ii) Repeat	11819
iii) Referred	15199

The total expenditure on school clinic is Rs. 4,85,556. The details are as under :

1. Establishment		3,89,480
2. Contigencies & Miscellenous	740+200=	940
3. Medicine & Instruments		15,251

Juhu Lions Dental Clinic :

1. Establishment	75,060
2. Medicine & Instruments	4,825
3. Total expenditure of establishment	79,885

DEPARTMENT OF PATHOLOGY

Following investigation were done in the pathology department.

Investigations	Total No.
Biochemistry	2,11,725
Vein Puncture	21,401
Serology	14,855
Haematology	34,250
Puncture Fluid	1,923

Histopathology		3,160
Special Stain		84
Cytology :	F.N.A.C.	522
	Pap Smears	376
	Fluids	170
Microbiology		
i) A.F.B. Smears		5,897
ii) Cultures & Sensitivity		21,427
iii) Anaerobic Cultures		475
O.P.D. Laboratory No. 10.	Blood	1,13,250
	Urine	15,833
	Stool	3,593
	Vein Puncture	19,090
	Semens	527
School Clinic		3,134

NURSING STAFF

Metron	1
Jr. Asstt. Matron	2
Sister Tutors	6
Midwifery Turor	—
Ward Sisters	28
Staff Nurses	217
Auxillary Nurses	14
Theatre Assistant	10
Ward Assistant	2

NURSING SCHOOL

In General Nurisng first year 22 students appeared and all passed in it. In General Nursing Part-II 19 students were appeared and 18 were passed. In Third year Exam. 19 appeared and 17 were passed. All students were passed in Midwifery of Jan. & Aug. Batch in 1989. Miss Sheelama K.J. got Mayor's Award.

Annual day was celebrated on 16th December 1989. Chief guest was Mr. Venkatchari, A.M.C. Miss Sheelama was selected as Miss Cooper. W.H.O. day was celebrated on 7th April. The theme was "Let's talk Health".

Students participated in TNAI Bombay city brach level & secured prizes.

Our School has selected an area of Juhu Kadda & Rula Park. Health services were given in that community. This area was visited once in week and there health services are made. We have attended Immunization & Family Planning Camp and Patients were referred to copper hospital.

Training of Medical students of G. S. Medical College :-

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 he purpose of under graduates Teaching-Medicine, Surgery, Gynaec & Obst. Paed. and Ortho. E.N.T. Ophth., Psy. Skin. The students of G. S. Medical College are attending the hospital from April 79 onwards. The following members of the staff have been recognised by this University as Post -Graduate Teacher - Dr. R. D. Darne, Dr. S. K. Dastur Dr. S. H. Shah, Dr. R. N. Katre, Dr. N. R. Shetty, Dr. S. J. Penkar, Dr. A.C. Pinto, Dr. S. T. Padhye, Dr. A. G. Kale, Dr. S. Y. Joshi, Dr. P. N. Patnekar, Dr. R. M. Saroji, Dr. A. R. Karkhanis, Dr. A. K. Joshi, Dr. G. S. Hathi.

Expenditure out of Poor Box Charity Fund :

Besides the Expenditure Incurred from Municipal Funds, Sum of Rs. 7,48,670 was spent out of Poor Box Charity Fund in the year 1989-90 as against Rs. 6,26,356.89 in the previous year. The amount was mostly spent on x-ray plates, C.T. Scans, Costly durgs, 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 1989-90 including liabilities at the end of the year but, exclusive of the cost on new work amount to Rs. 3,32,33,781 approximately. The expenditure was inclusive of cost of maintenance land treatment of In-patient.

Out-patients and establishments, drugs on Medical Nursing Administrative and Labour staff as well as the cost of the staff for maintenance and repair of the building.

Special Activities for 1989

1) Sunday Paediatric Clinical meeting was held on 29th Jan. 1989 by the dept. under the auspices of Bombay branch IAP.

2) DMC (P) has accorded sanction to charge for E.E.G. Rs. 60/- per E.E.G. investigation vide MDJ/706 of 10.3.89 at the Cooper Hospital with effect from 14.3.89.

3) Inspection of Physical & Other Teaching Facilities in Dr. R.N. Cooper Hospital for starting D.C.H. - Bombay University on 27.3.89. Dr. B.C. Chhaparwal M.D. (Paed.) D.C.H. M.M.S. F.I. C.P. (U.S.A.) F.A.C.N.(U.S.A.) Professor of Paediatrics, M.G.N. Medical College & Associated Group of hospitals, Indore M.P. has visited Dr. R. N. Copper Hospital on 27.3.89.

4) On 17.3.89 Team sent by University of Mumbai for inspection for recognition for teaching & post graduate studies the post of registrar of Eye Bank in the dept. of Ophthalmology. Dr. Sudhakar Sane & Dr. R.C. Patel carried out the Inspection.

5) On account of closure of Andheri maternity home from 18.12.89 for repairing & painting works, the patients of Andheri Maternity Home were admitted and treated in this hospital.

6) Ortho. O.P.D. has started two units as Dr. R.N. Katre / Dr. A.R. Karkhanis I unit on Mon. Wed. & Fri. Dr. R.H. Pathak / Dr. D.D. Shah II unit on Tues., Sat. from 3.4.1989.

SPECIAL ACKNOWLEDGEMENT

Due to the persistant efforts and guidance of M.M.C. Shri. A. B. Maduskar, Dean G. Dr. G.B. Parulkar and Director of Peripheral Hospital Dr. Kusum Shah the Institution got continuation of recognition for the purpose of teaching undergraduate students of Seth G. S. Medical College vide No. AFF/Pecog/3990 of 21.7.1988 for the department of

General Medicine	General Surgery
Obst. & Gynaec.	Paed.
Orthopaedic.	

For a period of six year with retrospective effect from academic year 1983-84.

The following departments also were recognised with respective effect from academic from ear 1985-86 for a period of four years.

Ophthalmic.	E.N.T.
Skin & V.D.	Psychiatric.

ANNUAL REPORT FOR THE YEAR 1989-90 FOR THE LIBRARY DEPARTMENT

Library of Dr. R.N. Cooper Hospital is meant for the use of medical and Paramedical staff of the Institution. Services are caters to 180 readers as against 130 members during the last year.

During the year 1989-90 Library has added 176 Books as against 95 Books during the last year. Out of which, 116 books were received as gratis from the various doctors and 60 titles were purchased as against 12 gratis and 85 purchased books during the last year. Thus Library at the end of the year has 3032 books as against 2856 during the previous year.

Library has subscribed for 52 periodicals including 15 Indian journals as against 31 periodicals including 7 Indian journals during the last year. Apart from that, Library has received 10 periodicals as gratis against 4 during the last year. Thus at the end of the year library has 62 periodicals available for refrence as against 35 during the last year.

During the year library has added about 80 monographs including Clinics, Clinical and other titles. Thus library at the end of the year has 400 monographs as against 320 during the last year.

During this year library has added 669 Bound Volumes of periodicals in their collection. Thus, at the end of the year Library has 1169 bound periodicals as against 500 during the last year. During the year library has recovered 15 thesis on various topics and processed accordingly.

During the year 2260 books and journals were issued for reading at library premises. However, 1576 books and 170. Periodicals were issued for home reading to various members as against 1903 books and periodicals during the previous year.

During the year Library has spent Rs. 83,056.45 for purchase of books and Rs. 1,09.007.20 towards the subcription of journals as against Rs. 1.5 lacs spent during the previous year.

Since, Jan. 1990 library has received 29 reprints in the collection. During last six month 7 refrence query were attended including 3 literature search. However, library has given 300 loose issues of periodicals and 10 bound volumes and books to Bandra Bhabba Library & Bhagwati Library form the Duplicate collection of Donation so as to fill their gaps.

Thus, at the end of the year Library has 3032 Books, 1169 Bound Periodicals & 15 Thesis.

ANAESTHESIA DEPARTMENT

Anaesthesia department of Dr. R. N. Cooper Mun. 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. Now This post is vacant Dean (G) has been deputing five-six registrars five-six lecturers to manage the workload of the hospital. This arrangement has been working very smoothly under the guidance of Dean (G) & Prof. of Aneasthesia, G. S. Medical College.

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.	Neonatology	"	1	
7.	Gen. surgery	"	2	+2
8.	Gen. Minor O.T.	"	1	
9.	E.N.T.	"	1	
10.	Ophthalmic	"	2	
11.	Burns & Plastic	"	2	
12.	Orthopaedics	"	4	
13.	Obst. & Gynaec.	"	3	
14.	Anaesthesia	"	1	
15.	Pathology (Recognisition of post is Pending with University)	House Officer	2	
16.	Rediology	Reg. Radiologist	1	
17.	Gen. Medicine	House Office	5	+1 recog.perviously
18.	I.C.C.U.	House Officer	3	
19.	Psychiatric	"	2	
20.	Skin & V.D.	"	2	
21.	Paediatic	"	6	
22.	Gen. Surgery	"	4	+2
23.	Neonatology	"	2	
24.	E.N.T.	"	1	+1
25.	Ophthalmology	"	1	+1
26.	Burns & Plastic surgery	"	2	
27.	Orthopaedics	"	4	
28.	Obst. & Gynaec	"	4	+2
			69	+9

DR. R. N. COOPER MUNICIPAL GENERAL HOSPITAL, JUHU

Circular No. 4986/R-I

1989	Medical	Surgical	Paed.	Gynaec.	Ortho.	Premature	E. N. T.	Opth.	Skin.	I. C. U.	ICCU	Burn	Psychiatric
1. Bed Strength	90	90	60	90	70	10 Cradle	30	30	30	10	10	10	30
2. Occupancy Bed Strenggth (Yearly)	28197	25596	11560	34929	35890	3772	3553	5489	909	2678	2599	2262	6723
3. Everage Occupancy per day.	78	71	32	96	99	11	10	16	3	8	8	7	19
4. Average Stay Department wise (Days)	5 (Days)	9 (Days)	5 (Days)	6 (Days)	1 (Days)	1 (Month)	4 (Month)	7 (Days)	22 (Days)	3 (Days)	4 (Days)	7 (Days)	14 (Days)
5. O. P. D. Attendance (New & Old)	67718	67041	51921	32922	61823	-	33935	31509	50840	-	-	-	12130
6. Mortality rate per day	1.4	1.0	1.0	-	-	-	-	-	-	0.2	0.4	0.18	-
7. Operation Yearly Major	-	2346	-	1440	284	-	2659	1091	-	328	-	39	Plastic -
Minor	-	6059	-	1201	7846	-							
		CLW 12076 Minor		(Family	(Tr. O. T.) Planning)								

Schedule Bed strength	520
Casualty Attendance/day	186
i) Medico legal case	60
ii) Non Mediaco legal	147

STATEMENT - 1989

Revenue out of Poor Box Charity Fund during the year under report.

Year 1989	X-Ray Rs.	O.G.D. Rs.	E.C.G. Rs.	U.S.G. Rs.	Certificate Collection Rs.	Total Collection Rs.
January	51,448	2,900	4,830	-	3,124	62,302
February	48,970	2,175	5,210	-	1,527	57,882
March	50,518	2,125	6,340	-	795	59,778
April	49,377	2,475	4,590	650	870	57,962
May	58,254	350	1,950	1,150	769	62,473
June	56,659	-	5,080	600	780	63,119
July	48,550	- 400	3,230	1,690	751	54,621
August	55,936	2,100	3,000	400	1,431	62,867
September	57,253	3,500	4,370	1,725	1,337	68,185
October	58,157	2,820	4,100	-	1,044	66,121
November	60,073	2,425	4,020	100	752	67,370
December	56,384	1,925	4,250	575	2,856	65,990
Total	**6,51,579**	**23,195**	**50,970**	**6,890**	**16,036**	**7,48,670**

STATEMENT - I

Statement showing the distribution of beds according to the departments.

Departments	Bed strength at present allotted
Medical	90
Surgical	90
Orthopaedic	70
Paediatric	60
Gynaec	90
E.N.T.	30
Ophthalmic	30
Psychiatric	30
Skin	30

Under Sanction No. MDG - 4559 of 8.2.1985.

APPENDIX II

Statement showing the particulars of Indoor and Outdoor patients no. of Operations performed etc. During the year 1989.

	Particular	1989	1988	1987
A)	**In-patients:**			
	1. Schedule Bed Strength	520	520	520
	2. Daily average No. of In-patients.	491	523	523
	3. Daily averge No. of Admissions.	80	112	112
	4. Total No. of few In-patients admitted.	27658	30337	30021
B)	**Out-patients:**			
	1. Total No. of New Outpatient attended.	1,96,814	1,95,799	1,89,338
	2. Daily average No. of New Out-patients.	646	642	610
	3. Total No. of Out-patient Attendance (New & Old)	5,90,442	5,87,397	5,68,023
	4. Daily average No. of Out-patient Attendance (New & Old)	1936	1926	1775
	5. No. of Casualty Attendance	53,308	54,483	62,071
C)	**Operation:**			
		F.P.	F.P.	F.P.
	1. Total No. of Operations of In-patients.	(8887+1201) = 10,088	(7861+1191) = 9052	(6694+1158) = 7852
	2. Total No. of Out-patients Operations.	19,752	21,958	26,114

APPENDIX III

Statement showing the In-patients treated in Dr. R. N. Cooper Mun. Gen. Hospital, Juhu durin the year 1989 with the classification according to departments, discharge and deaths.

Department	In the Hospital Mid-night of 31.12.88	Admitted during the year 89	Total Treated	Discharge during the year 89	Died	In the Hospital by Mid-night 31.2.89
Medical	79	6335	28197	5806	542	66
Surgical	74	3111	25596	2731	376	78
Gynaec	85	6187	34929	6147	11	114
Paed.	25	2590	11560	2186	391	38
Premature	12	554	3772	368	183	15
Ortho.	95	2074	35890	2045	26	98
E.N.T.	8	887	3553	886	4	5
Ophth.	14	866	5489	856	-	24
Skin	-	43	909	40	1	2
I.C.C.U.	6	654	2599	475	178	7
Psy.	23	480	6723	490	-	13
I.C.U.	7	1091	2673	1013	76	9
Burns	10	331	2262	264	67	10
Total	**438**	**25,203**	**1,64,157**	**23,307**	**1,855**	**479**

Meternal Death- 11 Neonatal Death - 9

APPENDIX - IV

Statement showing the Out-patients (New & Casualty) Dr. R. N. Cooper Mupl. Gen, Hospital, Juhu during the year 1989 classifications according to the Dept., Sex.

Department	Sex	New O.P.D.	Casualty
Medical	Male	9461	5094
	Female	7717	3610
Surgical	Male	5726	15842
	Female	4631	7847
	M/ch	3782	3937
	F/ch	3128	2926
Gynaec.	Female	11309	3526
Ortho.	Male	5120	1335
	Female	4153	813
	M/ch	3560	331
	F/ch	2944	218
E.N.T.	Male	2800	464
	Female	2443	294
	M/ch	1927	108
	F/ch	1653	77
Ophth.	Male	2730	502
	Female	2299	329
	M/ch	1691	63
	F/ch	1470	30
Dental	Male	3279	420
	Female	2748	282
	M/ch	2044	75
	F/ch	1847	30
Paed.	Male/ch	8141	2408
	Female/ch	6449	1694
Skin	Male	3923	534
	Female	3623	347
	M/ch	2975	116
	F/ch	2486	56
Psychiatric	Male	1248	-
	Female	921	-
	M/ch	555	-
	F/ch	409	-
T.B.	Male	2442	-
	Female	1595	-
	M/ch	607	-
	F/ch	473	-
	Total	**1,24,309**	**53,308**

STATEMENT V

Statement showing the relative cost In-patient and out-patient per day during the year 1989.

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.	40.93
2.	Total variable cost per Outpt. per day.	1.93
3.	Total Fixed cost per Inpt. per day.	84.99
4.	Total Fixed cost per Outpt. per day.	5.87
5.	Total cost per Inpt. per day.	125.92
6.	Total cost per Outpt. per day.	7.80

HARILAL BHAGWATI MUNICIPAL HOSPITAL

So for as this hospital is concerned the required information is furnished herewith for the year 1989-90.

1)	**HIGHLIGHTS**		
	a) Expenditure on In-patients	Rs.	89,97,000.00
	b) " on Out-patients	Rs.	1,79,94,000.00
2)	**AVERAGE COST**		
	a) On In-patients per day	Rs.	167.54
	b) On Out-patients per day	Rs.	11.77
3)	**RESULTS IN-PATIENTS**		
	a) Scheduled beds strength		375
	b) Daily average in-patients in ward		230.99
	c) Admission including those brought over from pervious yr.		16,394
4)	**Number of patients discharged as :-**		
	a) As cured		14,686
	b) Otherwise		599
	c) Expired		919
	d) Remained in the hospital on the last day of the next day as on 31.12.1989		190
	e) Daily average No. of Admissions		44.27
	f) Average stay of in-patients (in day)		5 days.
	g) Highest No. of In-patients in ward on single day		331
5)	**OUT PATIENTS**		
	a) New Out patients attendance		107684
	b) Old out patients attendance		359406
	Total		467090
	c) Daily Average No. of New out pts.		295.02
	Old out patients		984.87
	d) No. of Casualty attendance		25491
	e) Highest O.P.D. attendance on a single day		1355
	f) i) Operations on in-patients		5758
	ii) Operation on out patients		9494
	iii) No. of total operations		15252
6)	**CONFINEMENTS**		
	a) Total Deliveries		1784
	b) Booked cases		1136
	c) Emergency cases		648
	d) Normal cases		1299
	e) Abnormal cases		485
	f) Left before delivery		5
7)	**NEONATAL CASES AND ANTINATAL DEATHS**		
	a) Maternal deaths		4
	b) Neonatal deaths		51
	c) Still births		98
	d) Premature live born Infants		158

8)	**SPECIALISED TREATMENT**		
	a) Sterilization male		1
	b) Sterilization Female		467
	c) I.U.C.D. (Inserted)		261
	d) Dieseasewise distribution of cases treated and deaths Including tuberculosis and S.T.D. of all forms there should be also death of food poisoning cases		
	I) S.T.D. cases		576
	Ii) Food poisoning cases		299
	Iii) Tuberculosis cases		1369
9)	**ELECTROCARDIOGRAPHY DEPTT.**		
	a) Total No. of E.C.G. cases		2301
	b) Screening cases		Nil
10)	**PHSIOTHERAPHY & OCCUPATIONAL DEPARTMENT**		
	Total no. of cases treated		3041
11)	**RADIOLOGY DEPARTMENT**		
	a) Total No. of patients		25281
	b) Total No. of X-Ray plates taken		44563
	d) Total No. of screening cases		Nil
12)	**BLOOD BANK**		
	a) Total No. of Blood Bottles collected.		1773
	b) Professional Donors.		Nil
	c) Brought from other hospitals.		243
	d) Relative donor's		404
	e) Bottle supplied		1308
	f) Bottles dispatched to other hospitals		415
	g) Vountary donor's		1141
	h) Send for dry plasma		Nil
13)	**MEDICAL RECORD DEPARTMENT**		
	a) Total cases attended by doctors in court		56
	b) Total Medical Certificates issued to patients		1230
	c) Medical legal cases.		15684
	d) Medical Certificates issued to various police stations.		2109
14)	**AMBULANCE SERVICES**		
	a) Total No. of calls attended		608
	b) Amount collected by Ambulance	Rs.	774
	c) Total No. of free calls attended		
15)	**HEARSE SERVICES**		
	a) Total No. of calls attended		660
	b) Amount collected by Hearse	Rs.	18816/-
	c) Total No. of free calls attended		7
16)	**SOCIAL SERVICES**		
	a) Free spects Dark Glasses		41
	b) Supplied on deposite basis from voluntary donors		Nil
	c) Supplied appliences cases		64
	d) Medical Aid to patients		15
	e) Medical aid from voluntary donor's pts.		220

	f) Old cloths to discharged patients		30
	i) Conveyance to discharged patients		7
	j) Conselling given to suicide attempt cases		24
	k) Guidence given to parents on mentally retarded children.		65
	l) Evaluation of cases free on partially free hospitalization.		200
	m) Placement of distitute babies.		7
17)	**PATHOLOGY DEPARTMENT**		
	a) Clinical Pathology Investigations		111317
	b) Bio-Chemical Investigations		59298
	c) Microbilogy Investigations.		19426
	d) Histopathology Investigation		3507
	e) Test Performed		14671.
18)	**ANTI RABIC TREATMENTS**		
	a) Total No. of patient given vaccine		26505
18)	**SCHOOL CLINICS**		
	a) Total No. of cases treated during yr. 1989-90		11214
19)	**DENTAL DEPARTMENT**		
	Total No. of cases treated during the year 1989-90		4140
20)	**PSYCHIATRIC DEPTT.**		
	Total No. of cases treated.		2162
21)	**ANESTHESIA DEPTT.**		
	a) Total No. of operations performed under anaesthesia during the year 1989.		14673
22)	**AUDIOLOGY DEPTT.**		
	Total No. of cases attended during the year 1989		219
23)	**POOR BOX FUND**		
	a) The collection on the boxes of poor box fund during the period from 1.1.89 to 31.12.89 including donation for E.C.G. & X-Ray Plates.		
	i) X-Ray Collection.	Rs.	243750.00
	ii) E.C.G. Collection	Rs.	18340.00
		Total Rs.	262090.00
24)	**CERTIFICATES**		
	Total No. of Medical certificates of different types issued to patients		3339
25)	**DISPENSARY**		
	a) Total No. of In-patients		16394
	b) Total No. of Out-patients		379178
26)	**FAMILY WELFARE CENTRE**		
	Family planning centre is running for the benefits of patients attending the hospital		
	a) Vasectomy operations performed		1
	b) Sterilisation operation performed		467
	c) Coper "T" Inserted		261
	d) Total No. of oral pills given to pts.		167

	e) Total No. of condom given to patients	18860
	f) Total No. of M.T.P.	271
	g) Others	877
27)	**LIBRARY**	
	a) Total No. of New Books purchased during the year 1989.	77
	b) Total No. Books.	412
28)	**SPECIAL FACILITY FOR MUN. EXPLOYEES**	
	Separate counters have been kept reserved at the Registration deptt. and dispensary counter for the Mun. staff.	
29)	**INTERNS**	
	Graduates from L.T.M.G. Hospital are allowed to undergo internship training at this hospital	
30	**IMMUNIZATION DEPTT.**	
	Total No. of cases Immunization in year 89	20114
31)	**LEPROSY CLINICS**	
	Total No. of cases treated during the year 89	88
32)	**T. B. CLINICS**	
	Total No. of cases treated during the year 89	1369
33)	**HEALTH POST**	
	Total No. of cases during the year 1989	—

APPENDIX - I

Sr. No.	Departments	O.P.D.	I.P.D.
1)	Medical	45490	3752
2)	Surgical	39403	3517
3)	Gyn. & Obst.	35914	3319
4)	E.N.T.	34527	1109
5)	Ophthalmic	36833	969
6)	Skin & V.D.	43318	---
7)	Paediatrics	32010	2341
8)	Orthopaedic	36001	1131
9)	Dental	27400	---
11)	Casualty	7039	---
		359406	16138

APPENDIX - II

Sr. No.	Distribution of beds.	Units	Beds
1)	Medical	I	30
		II	30
2)	Surgical	I	30
		II	30
3)	Gyn. & Obst.	I	30
		II	30

Sr. No.	Distribution of beds.	Units	Beds
4)	Orthopaedic	I	30
		II	30
5)	Paedicatrics	I	30
		II	30
6)	E.N.T.	I	30
7)	Ophthalmic	II	30
8)	I.C.U./I.C.C.U.	--	10
9)	Casualty.	--	5
			375

APPENDIX III

HONORARIES LIST.

Dr. (Smt.) S. N. Joshi, Medical Syperintendent. of Shri H.B.M.G. Hospital.

SR.	NAME OF HONORARY		UNIT	QUALIFICATION	O.P.D. DAYS & TIMING
1)	Dr. S. R. Deshpande	Hon. Asst.	Medical	M.D.	Mon. to Sat. 8.00 a.m. to 11.30 p.m.
2)	Dr. N. M. Desai	Hon.	Paediatric	M.R.C.P.D.C.F. (LONDON)	Tues. Thurs. Sat. 8.00 a.m. to 11.30 p.m.
3)	Dr. (Smt) Shalini Bhatt	Hon. Asst.	-"-	M.D.D.H.C.(Bom)	Mon. Wed. Fri. 8.00 a.m. to 11.30 p.m.
4)	Dr. D. V. Bhagat	Hon.	Surgical	M.S.(Bom)	Mon. Tues. Sat. 8.00 a.m. to 11.30 p.m.
5)	Dr. A. R. Nerkar	Hon. Asst.	-"-	M.S.(Bom)M.R.S.H. (Lond)	Tues. Wed. Fri. 8.00 a.m. to 11.30 p.m.
6)	Dr. (Smt.) S. K. Saraf	-"-	Gyn. & Obst.	M.D.D.G.O.D.F.P.	Tues.Thurs. Sat. 8.00 a.m. to 11.30 p.m.
7)	Dr. (Smt.) Lata M. Dandekar	-"-	-"-	M.D.D.G.O.D.F.P.	Mon. Wed. Fri. 8.00 a.m. to 11.30 p.m.
8)	Dr. K. P. Morwani	Asst. Hon.	E.N.T.	M.S.D.O.R.L.	Thes. Thurs. Sat. 8.00 a.m. to 11.30 p.m.
9)	Dr. A. N. Parelkar	Asst. Hon.	Ortho.	M.S. (Orth.)	Mon. Wed. Fri. 8.00 a.m. to 11.30 p.m.
10)	Dr. M. R. Kamdar	Asst. Hon.	Anesth	M.D.	–
11)	Dr. M. B. Kukreja	Hon. Asst.	Skin &V. D.	M. D.	Mon. to Sat. 8.00 a.m. to 11.30 p.m.
12)	Dr. N. S. Athanikar	Hon. Asst.	Ophthal	M.S.D.O.M.S.	Mon. Wed. Fri. 8.00 a.m. to 11.30 p.m.
13)	Dr. V. V. Cheda	Hon. Asst.	Radiologist	M.D.	Mon. to Sat. 8.00 a.m. to 11.30 p.m.
14)	Dr. K. S. Ayyar	Hon. Asst.	Psychiatric	M.D.	Mon. to Sat. 8.00 a.m. to 11.30 p.m.
15)	Dr. (Smt.) S. S. Avasare	-"-	Patho.	M.D. (Path) D.P.B.	–
16)	Dr. (Smt) S. S. Deodhar	Part-Time	Dentist.	B.D.S. (Bom)	Mon. to Sat. 12.00 a.m. to 4.00 p.m.

APPENDIX - IV

Operation done during the year 1989

Month	Major	Minor O.T.	Minor Casualty	TOTAL	TOTAL Operations
Jan. 89	138	299	619	918	1,056
Feb.	191	351	636	987	1,178
March	180	400	877	1,277	1,457
April	183	364	842	1,206	1,389
May	123	252	766	1,018	1,141
June	215	312	858	1,170	1,385
July	166	150	641	991	957
Aug.	180	215	719	934	1,114
Sept.	184	284	684	968	1,152
Oct.	213	256	997	1,253	1,466
Nov.	229	306	641	947	1,176
Dec.	188	379	1164	1,543	1,731
	2,190	3,568	8,444	13,012	15,202

Municipal Corporation of Greater Bombay
Shri Harilal Bhawati Mun. Gen. Hospital Borivali (West)

SHORT NOTES

The late Shri Harilal Bhagwati donated a piece of land to the Municipal Corporation in the yea 1962, for construction of the hospital so as to provide medical relief facility to the people staying ir the northern end of the city. Foundation stone was laid by Shri Marotrao Kannamwar, the late Chie Minister of Maharashtra on 1.9.1965 and the hospital was inagurated by Shri Morarji Desai, Deputy Prime Minister of India, on 4.2.1988. Originally the hospital started with 50 beds with only two wards. One for male and another for female. There were two operation theatres and Laboratory for routine pathological examination. In the year 1971, paediatrics ward with 30 beds were commissioned and the bed strength of existing wards was increased by 10 each making the total bed strength to 100. In the year 1975 expansion activities started. To-day, hospital has following departments: Gynaec and Obstertric, Medical, Surgical, Paediatric, Orthopaedic, Ophthalmic, E.N.T., Skin and V.D., Radiology, Pathology, Full time School Clinic, T. B. Clinic, Leprosy, Cancer Detection Centre, with blood bank facility round the clock. The services include Casualty day and night, Anti- rabic treatment, Immunisation against measles, Triple, Polio, with booster dose, Audiology, Occupational therapy, Speech therapy, family Welfare Centre, Dental Clinic, O.P.D. facility, Homeopathy and Ayurvedic O.P.D. Facility of Ayurvedic and Homeopathy treatment is made available on Monday and Thursday since 1st June, 1990.

Following are the activites which have been started since 1988.

1)	Five Group of Operation theatre re-started after major civil repairs.	6.9.1988
2)	Seperate T.B. O.P.D. for T.B. Patients	August 88.
3)	Midwifery Traning Course for student nurses	1.2.1989
4)	Commissioning of Cytology department for early detection of Cancer.	27.2.1989
5)	Full time School Clinic started, Inagurated by Shri Hareshwar Patil, Then Chairman Health Committee.	1.7.89
6)	Activity of Alcoholic Anonimous	1989
7)	Updating library facility and provision of Conference Hall.	Sept. 89

8)	Starting of Health post	6.10.89
9)	Starting of Ayurvedic and Homeophthy O.P.D. twice a week	1.1.90
10)	Nurses Annual day Celebration presided over by A.M.C. (V) Shri Verkat Charl	27.1.90

It has library facilities for the use of doctors and a Junior Librarian has been appointed.

From November 1989 the existing had strength is increased form 300 to 375 beds. This hospital has seven operation theatres which are air conditioned.

The Blood Bank which was donated by Lion Club of Borivali (W), is commissioned from 1977 rendering the facility round the clock and is being updated.

The facility of L.P. Gas through pipeline to kitchen and wards pantries is provided.

School of Nursing was commisioned in the year 1981 with free accommodation and lodging. We take batch of 20 students each every year. Midwifery training course was started in the year 1.2.89, wherein 20 students are undergoing training. Besides this there are 10 Apprentice student nurses after completion of three year course. The present batch of nurses are trained for the commuinty oriented Medical Service unlike past students who were hospital oriented and trained for curative services.

The training course of three months for D.M.L.T. students for training in Pathology Laboratory of this hospital is made available since 1989 after charging reuisite fees of Rs. 100/- per trainee per course as per procedure.

There are three building containing 40 blocks for residential purpose there in R.M.Os. and para-medical staff are housed.

Hospital has mortury department for preserving dead bodies.

Hospital propose following activities in near future :

a) Eye Bank.

b) I.C.U. and I.C.C.U. facility.

c) Burns Ward (Special)

d) Child guidence Clinic.

e) Development of acquired land.

f) Contract system of food distribution through contractors on the basis of Centenary Hospital, Govandi.

g) Upgrading of various departments, such as Radiology Department by purchasing Ultrasonography Unit, Blood Bank by purchasing storage equipment for storing 200 blood bags, Cancer Detection by purchasing Elsa counter and similar other P.N. articles.

Medical Superintendent,
Shri H.B.M.G. Hospital,
Borivali (W), Mumbai - 103.

ENGINEERING DEPARTMENT

Statement showing the names and qualificationss of the Heads of the Department and Heads of branches of Engineering Department for the year 1989-90

A) HEADS OF THE DEPARTMENT

CITY ENGINEER

Shri S. A. Rege

B.E. (Civil), M..E. (Structural)

from 1.4.89 to 31.3.90

B) HEADS OF BRANCHES

1. Dy.CITY ENGINEER (PLANNING & DESIGN) (CITY)

Shri B. S. Upasham

B.E. (Civil)

from 1.4.89 to 31.3.90

2. DY. CITY ENGINEER (PLANNING & DESIGN) (SUBS)

Shri S. T. Shenolikar

from 16.6.89 to 31.3.90

3. DY. CITY ENGINEER (CIVIL) ENVIROMENTAL SANITATION & PROJECT

Shri V. P. Chothani

B. E. (Civil), M. E. (P.H.)

from 1.4.89 to 18.9.89

Shri V. S. Mahajan

M. E. (Civil) P.H.E.

from 19.9.89 to 31.3.90

4. DY. CITY ENGINEER (CITY)

Shri B. D. Hukeri

B. E. (Civil)

from 1.4.89 to 31.3.90

5. DY. CITY ENGINEER (SUBURBS)

Shri H. L. Jawahiri

B. E. (Civil)

from 1.4.89 to 15.6.90

Shri V. V. Mehendale

D. C. E., A. M. I. E. (Civil)

from 16.6.89 to 31.3.90

6. DY. CITY ENGINEER (PROJECT)

Shri S. G. Kashikar

B. E. (Civil)

from 1.4.89 to 31.3.90

7. DY. CITY ENGINEER (SLUM IMPROVEMENT)

Shri K. G. Pal

B. E. (Civil)

from 1.4.89 to 31.3.90

High Lights

I - A Expenditure

Expenditure incurred	Rs. in crores)
1) On execution on Loan work	15.94
2) On execution on Revenue works	17.40
3) On establishment	12.94
4) On other Heads :	
a) From Loan works budget	7.06
b) From revenue Budget	6.31
B Revenue Earned	8.22

II - Achivements

1) Building Construcction Branch

	Completed		In Progress	
	Bldg.	T/s.	Bldg.	T/s.
a) Hosuing tenements	-	80	-	-
b) School buildings	14	-	26	-
c) Markets	1	-	2	-
d) Hospital Maternity Home, Dispensaries	21	-	-	-
e) Otherbuilding works	27	-	51	-

III - SLUM IMPROVEMENT BRANCH

i) Colonies covered for improvement	77

IV - CIVIL & ENVIRONMENTAL SANITATION & PROJECT

i)	Air Pollution complaints attended	337
ii)	No objection certificates issue	81
iii)	Proposals for rennoval of permit licances additional power change at fuel etc.	313
iv)	Registration of electrcal fernances ovens	55
	Total	786

V - MAINTENANCE OF MUNICIPAL PROPERTIES

i)	Buildings	1519
ii)	Works Carried out through P.W.C.	3600

DEPUTY CITY ENGINEER (PLANNING & DESING)

This branch is headed by Deputy City Engineer (Planning & Design). The main activities of this branch are as follows :-

1. Preparation of layout and detailed plans for the Municipal building, garden etc.
2. Invitation of tender and awarding contracts for :-
   a) Construction of Municipal buildings for different services.
   b) Structural and major repairs to old building.
   c) Specialised waterproofing to terrace and sanitary blocks of Municipal building.
   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.

MUNICIPAL CORPORATION OF GREATER BOMBAY.

Administration Report for the period from 1.4.89 to 31.3.90

Sr. No.	Particular	General bldg. works		Housing		Slum Improvements		P. W. C.	Annual Contract drawing materials	Providing forfurniture to Muni. properties	Waterproofing treatment to Muni. properties & constn. of compound wall
		City	Subs & Ext. Subs	City	Subs	City	Subs				
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
1.	Cloth tracing	-	-	-	-	-	-	-	-	-	-
2.	Paper tracing (General Drawing)	-	-	-	-	-	-	-	462	-	-
3.	Blue Printing Copies	-	-	-	-	-	-	-	20642	-	-
4.	Block Estimates	21	7	-	-	-	-	-	-	-	-
5.	Amount of Block Estimate (in crores)	2.53	12	-	-	-	-	-	-	-	-
6.	Details plans and estimate	61	53	-	9	-	-	-	-	-	45
7.	Amount of detailed estimate(in crores)	6.83	13	-	5	-	-	-	-	57	2.49
8.	Contract awarded (crores)	22.02	2.25	0.23	-	-	-	98	-	-	-
9.	Detailed estimates in hand.	30	14	-	-	-	-	-	-	17	159
10.	Approximate cost of detailed estimates in hand (in crores)	4.05	1.05	-	-	-	-	-	-	0.11	2.22

Slum

Since the establishment of the Slum Improvement Cell in 1969, the work of providing civic amenities in different hutment colonies has been continued and the programme for environmental improvement of slums.

During the year 1989-90, the amenities serving beneficial population of about 1,80,000/- were provided in slum colonies under the slum improvement programme. During the year 889 members of W. C./A P. seats, 1,50,746 sq. mtrs. passages and 40,010 R. M. drains and 179 Nos. of taps and 6 pols in various slums have been provided.

(A) The works completed during the year.

1) Slum improvement works of basic amenities in 67 slums.

2) Slum improvement work of additional amenities in 10 slums.

(B) Works in progress during the year.

1) Slum Improvements work of basic amenities in 54 slums.

2) Primary school, 71 class rooms.

(C) Slum Upgradation programme during the year.

44 co-operative societies formed consisting of 5935 households.

(D) B.U.D.P. - I sites and services during the year

1) Works completed - 2

2) Works in progress - 11

(E) Demolition and reconstruction of delapidated A. P./W.C. block

1) Works complete - 48 (889 Number of W.C./A.P. seats)

2) Works in progress - 47 (395 Number of W.C./A.P. seats)

Environmental sanitation and Projects Department

This 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 Sections

Air Pollution Control :-

This section is concerned with advising factory administration and licensing from air pollution angles.

During the year 786 cases were dealt with as under :-

(1)	Air and water Pollution Complaints	337
(2)	No objection certificate for ETP, Boiler furnane, D. G. Set etc.	81
(3)	Proposals for renewal of permit u/s. 390, licences, additional power, change of fuel etc.	313
(4)	Registration of elecctrical furnaces/overns.	55
	Total =	786

Air pollution abatement fees amounting to about Rs. 175 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 Jan. 1989.

Water Pollution Control

A number 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 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 verified. During the year under report about 60 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 characterition. Such proposals are scrutinised and the industries are directed to provide Effluent Treatment Plant (E.T.P.) wherever necessary.

Sumarising, abatment control enforcing of pollution is achieved by advising ward offices and other enforcing agencies to ensure effective implementation of pollution prevention measures bythe concerned industries or the establishments and on their failure, taking effective action against arring industries under the provision of B.M.C. Act.

Special Projects

i) Remodelling of Dhobi-Ghat at Mahalaxmi : There has not been any progress in respect of this project during the year under report as court case is not decided.

ii) Rehabilitaion of Potters at Dharavi, Kumbharwada : The project involves socio-economics problems and due to paucity of funds with the potterss, 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. Still no decision is arrived at and the land is also not handed over to potters by Estate Deptt. of Municipal Corporation.

iii) Task force on quarrying operations in city : Number of meetings were held with 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 and Forest Deptt. The report prepared by the Committee has already been submitted to the Minister, Revenue Deptt. 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. has proposed to undertake the detailed survey for locating and identifying the future areas where quarrying can be done. B.M.R.D.A. have appointed M/s Kirloskar Consultants for the work of Geological Survey and Prospecting of B.M.R. for locating construction materials and identifying future areas for quarrying. The Consulatant have submitted Draft Planner, B.M.R.D.A. In the said report status regarding existing quarries and all details regarding locations of future quarries etc. is given.

(2) Emission Inventory group.

The work of compialtion 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 HP. Process data questionnaires asking further details like fuel consumption, production details, raw materials used and nature and extent of emission, were also posted to those industries. Based on the information collected, further wardwise and activitywise tabulations have been prepared. The factories have been classified into 29 groups according to their activities for standardisation.

A laboratory has been set up for analysis of emission samples collected with the help of stack sampling equipment.

Total 18 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 Hatridge smoke meter.

This group has been authorised to check the Municipal vehicles belonging to municipal officers for pollution control and issue certificates of pollution under control (P.U.C. Certificate). A fee of Rs.12/- per vehicle test is charged in respect of vehicles of municipal employees, whereas municipal vehicles pertaining to various deptts. are tested free of charge. Total 167 vehicles were tested.

iii) Noise / Vibration Pollution

Various noise and vibration complaints were attended to by this group for investigation the noise / vibration nuisance.

Total 28 number 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 Committee relating to air quality were attended from time to time. Suggestion to modify the existing standards and formulation of new standard were also submitted for consideration of the I.S.I.

(3) Air Quality Monitoring & Research Lab.

Air quality monitoring & research laboratory at khar has twenty two receptor oriented air monitoring sites spread uniformely throughout City of Bombay. Air samples collected at these sites are analysed for particulate matter and gaseous pollutants viz : Sulphurdioxide, Oxides of Nitrogen and Ammonia. Suspended particulate matter is further analysed for carcinogens. Heavy metals, Sulphates, Chlorides 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 condition. Thus air quality data collected is processed with different statistical functions complied and compared with standards prescribed. Annexure I furnished the detail statistical information in this respect.

In addition to routine monitoring :

1) Air quality at traffic junctions was monitored to assess the impact of auto exhaust pollution.

2)Special case studies and spot monitoring bases on complaints received from B.M.C. officials, Corporators and common public was carried out to evaluate impact of emissions from industrial and commercial areas.

3) Research Projects studies were conducted to collect, compare and establish various personal exposure to indoor and source specific pollutants. At present following projects are under process :

a) Indo - British link project to study silicosis.

b) Human Exposure Assessment Locations (HEAL) sponsored by D.O.E./W.H.O.

Annexure II & III summarises details in this respect.

The administration of Air Quality Monitoring & Research Laboratory is now under Dy. C.E. (C) (E.S.P.).

MAINTENANCE OF MUNICIPAL BUILDINGS

1) Municipal Building - In the City and Suburbs at the and the year :-

a) Housing : 28690 Nos of tenements are in the City and 9534 Nos. of tenements are in Suburbs.

b) Other Buildings : 77 in the City and 741 in the Suburbs

The work of maintenance is classifed under the major heads :-

i) Normal repairs

ii) special repairs

iii) New works

Monsoon repairs are also included in the normal repairs. Special repairs over the works which are likely to increase the life of buildings and structures. New works cover the works of additions and alteration to the buildings as also those of providing additional amenities.

This year the repairs and maintenance of the Municipal properties were carried out either departmentaly or through petty works contractors.

The total expenditure incurred on the maintenance of Municipal properties was 1451.86 lakhs (City Rs. 795.43 lakhs and Suburbs Rs. 656.13) out of this, an mount of 295.56 was spent on normal maintenance and amount of Rs. 1156.30 was spent on new and special repairs, works costing Rs. 1961.93 lakhs (City Rs. 1201.59 lakhs and Subs. Rs. 760.34) were executed throught the Petty works contractors. Total Nos. of works carried out through P.W.C. was 3600 and Total No. of works carried out departmentally was 11416 and expenditure incurred was 234.25 and 1961.93 on department and P.W.C. works respectively.

BUILDNG CONSTRUCTION BRANCH:

The Branch supervised the work of building construction after contracts are awarded by Planning & Designing Department A synopsis at the work done by this branch during the year is as under :-

Particular	Zone	Nos.	Works completed actual cost Rs. (in lacs)	Nos.	Work in progress, extimated cost Rs. (in lacs)
1.	2.	3.	4.	5.	6.
A. Housing					
a) Worked including	City	4	27.83	28	210.29
pile foundation	W.S.	--	--	1	34.57
	E.S.	--	--	--	--
b) Structures	City	--	--	--	
	W.S.	--	--	--	--
	E.S.	--	--	--	--
c) Tenements	City	--	--	1	2.96
	W.S.	--	--	--	--
	E.S.	80	38.04	--	--
B - BUILDING					
Other than Housing					
a) Schools	City	13	62.41	19	189.35
	W.S.	1	4.30	1	431.13
	E.S.	--	--	--	--
b) Markets	City	1	0.21	2	7.20
	W.S.	--	--	--	--
	E.S.	--	--	1	35.72
c) Hospital	City	16	66.65	18	325.10
Maternity Home					
Dispentsaries	W.S.	3	26.75	1	17.26
	E.S.	2	5.30	--	--
d) Other works.	City	6	10.55	24	280.85
	W.S.	4	117.40	9	163.89
	E.S.	17	9.92	18	98.87

APPENDIX No. 1

Statement showing the works of building construction completed and those in progress.

'A' works completed

Sr. No.	Name of the work	Amount shown in lacs expenditures
	'A' Housing City	
1.	Proposed repairs to A.H.S. Chawls 'A' and 'B" at Palton road, 'A' ward.	26.17
2.	Proposed repairs to passage and staircase on 1st at chawl No. 94 (I) M.P. Mill Compound, Janata Nagar.	1.00
3.	Waterproofing to terrace of 'A' and 'B' building, M.H. Compound at E.S. Patanwala Marg, Byculla, 'E' ward.	0.66
	Total	27.83
	WESTERN SUBURBS	
	NIL	
	EASTERN SUBURBS	
1.	Construction of multistoreyed building in compound at 664 Tenements at Park Site Colony, Vikhroli (West).	38.04
	Total	38.04
	B-OTHER THAN HOUSING	
	CITY	
1.	Proposed two gardens in F/South Ward, Parel. a) At Kamgar Maidan, Parel b) Near Shirodkar Maidan, Parel	4.41
2.	Repairs to Municipal School at Worli Naka	13.35
3.	Proposed access road covered passage to new multistoreyed building at K.E.M. Hospital.	2.46
4.	The work of design supply and installation of Fibre Glass Elephant on Turn-key basis at Durgadevi Udyan, Maulana Shoukatali Road, 'C' Ward.	0.23
5.	Proposed repairs to existing elevated tank at S. K. Patil Udyan, Charni Road, 'C' Ward.	0.90
6.	Renovation of Dindayal Upadhyaya Udyan in G/Narth Ward.	1.55
7.	Various additional works of Multistoreyed building at Nair Hospital.	38.20
8.	Proposed additions and alteration to Autopsy Room K.E.M. Hospital, Phase-II	2.60
9.	Proposed renovation of blood bank at K.E.M. Hospital, Parel.	3.60
10.	Proposed Municipal School (S.S.) at C.G.S. Colony, Kene Nagar, Sion.	26.23
11.	Waterprofing treatment to terrace of Municipal Co-op. Bank situated at Fort Market, Mint Road.	0.21
12.	Waterproofing Treatment to sanitary blocks of Municipal H.O. Annexo building at V. T.	3.46

Sr. No.	Name of the work	Amount shown in lacs expenditure
13.	Waterproofing treatment to terrace of Mumbadevi Municipal School, 'C' Ward.	3.33
14.	Waterproofing treatment to terrace of Chandanwadi Municipal School, 'C' Ward.	2.75
15.	Waterproofing treatment to terrace of Mahalaxmi Municipal School at Bhulabhai Desai Road.	0.42
16.	Waterproofing treatment to terrace of Gilder Lane School, 'D' Ward.	4.02
17.	Waterproofing treatment to terrace and sanitary block at Arya Nagar School, 'D]' Word.	2.10
18.	Waterprooting treatment to terrace of Balaram Urdu School, 'D' Ward.	0.73
19.	Waterproofing treatment to terrace and other allied worked for Kashavrao Kadam Marg Municipal School, 'D' Ward	0.84
20.	Waterproofing treatment to Channels of Pharmacology and pathology Lab. and guniting to R.C.C. work at 1st IInd and 3rd floor of B.Y.L. Nair Hospital, College Building.	3.33
21.	Waterproofing treatment to channels of Physiolog an Bio- Chemistry Lab. and guniting too R.C.C. work at 4th floor at B.Y.L. Nair Hospital, College Bldg.	1.76
22.	Waterproofing treatment ot Umar Rajjab Municipal School at Mohd. Rajjab Road, Byculla.	1.36
23.	Waterproofing treatment to terrace and other allied works at Agripada Municipal School.	1.64
24.	Waterproofing treatment to terrace at Microbilogy Department.	2.10
	i) Torrace above dispensary and Medical Stores. ii) Ward No. 15 at Kasturba Hospital, Part-I.	
25.	Waterproofing treatment to Hyperbolic Chember and terrace of Ward No. 9, 11, 13 and 14 of Kasturba Hospital, Part - II	0.50
26.	Waterproofing treatment of Urdu School, Mahim	2.73
27.	Waterproofing treatment to sanitary blook of Ward No. 26, 28 and 30 of Orthopadic Centre, K.E.M. Hospital.	0.72
28.	Waterprofing treatment to terrace of ward No. 11 and 12 of K.E.M. Hospital.	0.72
28.	Waterproofing treatment of terrace of Ward No. 11 and 12 of K.E.M. Hospital.	3.67
29.	Waterproofing treatment to sanitary blocks of Main Bldg. at G.T.B. Hosp.	3.99
30.	Waterproofing treatment to terrace of 43 and 44 Medicine Seminor Hall at K.E.M. Hospital.	0.40
31.	Waterproofing treatment to terrace of Ward No. 17 and 18 at K.E.M. Hosp.	0.65
32.	Waterproofing treatment to terrace of - i) Trivani Sangam Municipal School ii) 2nd October Municipal School at F/South.	2.91
33.	Waterproofing trestment to Boy's Hostel at K.E.M. Hospital.	3.29
34.	Waterprofing treatment to R.C.C. water tank of R. M. O.'s Quarters at K.E.M. Hospital.	0.26
	Total	140.72

Sr. No.	Name of the work	Amount shown in lacs expenditure
	WESTERN SUBURBS	
1.	Construction of Sports Complex at the junction of J. P. Road and Veera Desai Road, Andheri (West).	85.92
2.	Major repairs to Bhagwati Hospital Borivali (West).	8.36
3.	General repairs to Cooper Hospital	11.41
4.	Construction of upgraded Dispensary at Charkop, Kandivali (West),	6.98
5.	Construction of 4 additional class rooms at Aarey Road Municipal School, Goregaon (East).	4.30
6.	Construction of Compound wall at Andheri Sports Complex.	1.19
7.	Annual contracts of waterproofing in H & K wards for 1989-90	
	(1) Waterproofing treatment to the terrace of one building at Harijan Colony, Khar (Wast).	0.35
	(2) Waterproofing treatment to the terrace of Cooper Hospital (South side wing)	1.30
	(3) Waterproofing treatment to the terrace and sanitary blocks of Andheri Fire Station and Staff Quarters at Andheri.	1.79
	(4) Waterproofing treatment to the terrace and sanitary block on 1st and 2nd floor and guniting R.C.C. work of Supari Tank Municipal School, H/West.	1.20
	(5) Waterprofing treatment to the terrace and guniting to R.C.C. work for Khar Market and Pali Market. H/West.	2.00
	(6) Waterproofing treatment to the terrace and guniting to R.C.C. at Juhu Tara Manucipal School, K/Wast.	1.00
	(7) Waterproofing treatment to terrace and guniting to R.C.C. work for Palichimbai Municipal School, K/West.	1.41
	(8) Waterpfoofing treatment to rerrace of E.E. Transport (Subs)'s Office, Santacruz (West).	1.25
	(9) Waterproofing treatment to terrace at Bhabha Hospital, Bandra (West),	2.00
8.	Annual contract of waterprofing in P & R Wards for 1989-90	
	1. W.P.T.. to sanitary block and drinking room at Rani Sati Marg, Malad (East).	2.35
	2. Waterproofing treatment to R.C.C. Slab to R.R.P. Municipal School, Kandivali (West).	1.09
	3. Waterproofing treatment to Akurli Road Municipal School, Kandivali (Wast).	2.19
	4. Waterproofing treatment to Bhabhai Road Municipal School, Borivali (W).	0.95
	5. Waterproofing treatment to terrace of Datta Pada Municipal School, Borivali (East).	1.50
	6. Waterprrofing treatment to terrace of Akurly Road Municipal Dispensary Kandivali (East).	0.73

Sr. No.	Name of the work	Amount shown in lacs expenditure
7.	Waterproofing treatment to sanitary block and guniting to R.C.C. members School, Goregaon (East).	0.43
8.	Waterproofing treatment to building No. 1,2,3 Labour Quarters at Mitha Nagar, P/South.	1.50
9.	Waterproofing treatment to terrace of Pahadi Nagar Municipal School, Goregaon (East).	1.62
10.	Waterprofing treatment to terrace of building No. A, A2, Powell's Land Quirters, Kandivali (West).	0.89
11.	Waterproofing treatment to sanitary blocks and drinking room at Govind Nagar Municipal School, Malad (East).	2.00
12.	Waterproofing treatment to terrace of Dahisar Municipal School, L. T. Marg, Dahisar, R/Narth.	0.92
13.	Waterproofing treatment to terrace of Kandivali Fire Enginee Station at Kandivali Fire Brigade Office.	0.66
14.	Waterproofing treatment to tereace of Givind Nagar Municipal School Haji Baba Road, Malad (East)	1.50
	Total	148.79
	EASTERN SUBURBS	
1.	Providing waterproofing treatment to terraces at building No. 396 Tenements at Deonar Municipal Colony, M/East Ward.	2.60
2.	Waterproofing treatment to terraces of building No. 2 and 3 396 tenements at Deonar Municipal Colony, M/East Ward	3.12
3.	Waterproofing treatment to terraces at building No. 4 tenements at Deonar Municipal Colony. M/East Ward.	.72
4.	Waterproofing treatment to terraces at building No. 5 and 6 at Deonar Municipal Colony, M/East Ward.	2.50
5.	Providing waterproofing treatment to terraces at various buildings at Deonar Abattoir i.e. buildings, (2) Dispensary (3) Jewish, (4) C.O.H.P. Boilor room, (5) Labour Rest Room.	1.71
6.	Providing waterproofing treatment to terraces of various buildings at Deonar Abattoir i.e. (1) 'E' buildings, 2) 'G' Buildings, (3) Pump House.	1.93
7.	Providing waterproofing treatment to terraces at Deonarpada Municipal School.	1.19
8.	Waterproofin treatment to the terrace at G. V. Scheme Municipal School, Mulund (East). 'T' Ward.	.79
9.	Proposed temple at M.P. Road Garden, Mulund (East).	1.11
10.	Proposed repair warks (civil electrical) to R.M.O.'s quirters at Rajawadi Hospital, Ghatkoper	2.22
11.	Proposed Fire esoape staircase at Kurla Bhabha Hospital.	5.30
12.	Proponed repair work to Chunabhatti Maternity Home, Kurla.	9.92
13.	Waterproofing treatment to terrace 2 buildings at Staff Quarters at Kurla Garden, L.B.S. Marg, Kurla.	1.37

Sr. No.	Name of the work	Amount shown in lacs expenditure
14.	Waterproofing treatment to the terrace at Male Paying ward at Bhabha Hospital, Kurla (West).	0.42
15.	Providing waterproofing treatment to the terrace at Bail Basar Municipal School at Kurla (West).	3.77
16.	Waterproofing treatment and guniting to the Conservancy Staff Quarters at Kurla Garden, Kurla (West).	3.46
17.	Proposed construction of dispensary at Nehru Nagar, Kurla.	1.07
18.	Waterprofing treatment to the terrace of Conservancy Staff Quarters at Park Site Colony, Vikhroli.	1.09
19.	Proposed play ground and garden at Podar Compound, Ghatkoper (West).	3.46
	Total	49.75

'B' WORKS IN PROGRESS

Sr. No.	Name of the work	Estimated cost (Rs. in lacs)	Expenditure booked upto 31.3.1990
1.	2.	3.	4.
(a)	HOUSING CITY		
1.	Proposed construction of 72 tenememts on housing reservation near Shivaji Maharaj Kridengan behind Garamkhada Market, Lalbaug, F/South Ward.	38.45	11.50
2.	Proposed reconstruction of W.C. block and repairs to washing places of B.I.T. Chawls No. 17 and 18 Nagpada.	13.55	0.25
3.	Proposed work of completing the incomplete work of 48 Tenements at M.P. Mill Compound, 'D' Ward.	27.50	17.62
4.	Proposed construction of A and B block at Sane Guruji Marg, near Arthur Road Jail, G/South.	38.65	6.25
5.	Proposed construction of tenements on part ground floor and first floor on F.P.No. 1096-B, T.P.S.IV, Mahim.	2.96	0.32
6.	Proposed repairs to conservancy chawl A to I at Aproach Road	15.00	3.36
7.	Proposed transit accommodation on F.P.No. 843 Agar Basar Market, G/North Ward.	8.10	---
8.	Waterproofing treatment to terrace of A and E bldg. of Sion, F/North Ward.	1.70	---
9.	Waterproofing treatment to B, C and D bldg. at Agarwada, Sion.	3.56	---
10.	Waterproofing treatment to terrace of 'E' bldg. of Agarwada Sion, F/North.	2.21	---
11.	Waterproofing treatment to bldg. G-1 to G-9 and A-3 at Shahu Nagar, G/North Ward	4.86	0.71
12.	Waterproofing treatment to terrace of Sanaswadi bldg. 151 Dr. D. A. Road, 'E' Ward.	1.33	---

1.	2.	3.	4.
13.	Waterproofing treatment to terrace of various bldg. of Municipal power Laundry at Bholwada, Parel, F/South	2.68	---
14.	Waterproofing treatment to tarrace of Dean's Quarters at L.T.M.G. Hospital, F/North.	0.68	---
15.	Waterpoofing treatment to terrace of Madhav Nagar bldg. A to G (7 bildgs.) F/South Ward.	4.20	0.79
16.	Providing waterproofing treatment to terrace of B.I.T. Chawl No. 1, 2 and 3 at Love Lane, Byculla, E-Ward.	1.56	---
17.	Providing waterproofing treatment to sanitary blocks at B.I.T. Chawl No. 3, Love Lane.	3.57	0.30
18.	Providing waterproofing treatment to sanitary blocks of B.I.T. Chawl No. 2 and terrace of Municipal Dispensary at Motisha Lane, Byculla.	3.07	0.65
19.	Providing waterproofing treatment to sanitary blocks of B.I.T. Chawl No. 1 at Love Lane.	2.45	0.74
20.	Providing waterproofing treatment to terrace of A,B,C block 72 Tenements at Parel, F/South Ward	2.31	0.34
21.	Providing waterproofing treatment to terrace of New Muni. Bildg. at 32 Tenements at Sion Koliwada, F/North.	1.54	---
22.	Providing waterproofing treatment to sanitary block mories and common washing place of A,B,C bldgs. 88 tenements at Wadala, F/North.	4.96	---
23.	Waterproofing treatment to terrace of E1, E2, E5 and E6 bldgs. in E Sector at Raoli Camp, Koliwada, F/North.	4.70	---
24.	Waterproofing treatment to terrace of B1, B2, B3, B4 bldgs. Koliwada, F/north.	4.94	---
25.	Waterproofing treatment to terraces of A1 and A2 bldgs. in E Sector, Raoli Camps, Koliwada, F/North.	2.91	---
26.	Waterproofing treatment to Eastment No. 1 and Sanitary Blocks in Ward No. 2 at LTMG Hospital, F/North Part-II	4.88	---
27.	Waterproofing treatment to terrace at C1, C2, C4 and C5 bldg. in C Sector, Racli Camp, Koliwada, F/N	4.97	---
28.	Waterproofing treatment to 7 Nos, of bldgs. (1,2,57, 8, 11, 12) at Kilwai Nagar Muni. Property, F/S Ward.	3.00	---
	Total	274.37	46.36
	WESTERN SUBURBS		
1.	Construction of 487/a at Dayaldas Road, Vile Parle (E)	34.57	16.19
	Total	34.57	16.19
	EASTERN SUBURBS		
1.	NIL		
b) Other than housing CITY			
1.	Repairs to Old Main & Annexe bldg. in Nair Hospital.	62.80	42.00
2.	Repairs to Muni. H.O. (Old) Bldg. at V.T., Fort, Phase- III	40.94	11.25

1.	2.	3.	4.
3.	Constn. of underground suction tank and providing electric pump etc. for improving water supply to K.E.M. Hospital.	46.61	12.16
4.	Proposed additions and elterations in existing mortuary and Pharmacy Sheds at L.T.M.G. Hospital, Sion.	33.94	10.90
5.	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.	68.14	16.60
6.	Proposed trantis accommodation on F.P.No. 843, Agar Bazar Market, G/North Ward.	8.10	5.75
7.	Renevation of main operation theatre at K.E.M. Hospital, Parel.	11.04	5.21
8.	Proposed construction of additional 4th floor at L.T.M.C. College bldg. and an open air hall on terrace (including electrical wark) Sion, F/North	68.45	26.75
9.	Proposed additional repairs to school bldg. at Dharavi, G/North.	19.63	6.35
10.	Repairs to Student's Hostel at Old Barracks at L.T.M.G. Hospital, Sion (Shed T1 and T2)	4.70	---
11.	Proposed additions and alterations to bldg. No. 1, 3 and OPD at LTMG. Hospital.	13.33	6.60
12.	Proposed additions and alterations to operation theatre painting to bldg. other repair works and electrification works etc. at ENT Hosp.	13.11	1.15
13.	Proposed additions and alterations in existing bldg. for Burn's Unit in Kasturba.	13.95	3.90
14.	Proposed repairs to Imamwada Maternity Home, B-Ward.	4.44	0.65
15.	Renovation of Pharmacy at K.E.M. Hospital, Parel, F/South	27.83	---
16.	Proposed development of Children's Burial Ground at Bhoiwada Cemetery in F/South Ward.	6.39	5.08
17.	Proposed construction of Mourner's Shed and Shiva's temple at Dr. . Moses Road Cemetery, Warli. (Civil & Electrical Works)	6.35	---
18.	Completing the incomplete work of proposed development of Hindu Cemetery at Dr. E. Moses Road, Worli.	12.43	Contract being terminated
19.	Construction of Dormitery for Temporary Fire Station on plot No. 96A of TPS III at Prakash Kotnis Road, Mahim.	2.30	1.70
20.	Construction of Engine Bay and toilet block for temporary fire station of Plot No. 96A and 97 at TPS III at Prakash Kotnish Marg, Mahim.	2.14	1.65
21.	Construction of drill tower and flag pole at F.B.H.Q., Byculla.	1.20	---
22.	Proposed construction of superstructure of Fire Brigage Station at Plot No. 151, BBR Scheme, General Bhosale Marg. A.Ward, Phase-I	81.12	2.70

1.	2.	3.	4.
23.	Construction of superstructure of school at C.S.No. 781 at Bawalawadi, Phase-I, 'E' Ward.	58.02	Constract being terminated
24.	Proposed Muni. Primary School on Plot No. 29, Scheme No. 59, Sewree Koliwada, F/S (including electric work)	38.59	0.75
25.	Major structural repairs to Muni. School bldg. at St. Mary Road, Tadwadi 'E" ward.	17.73	1.75
26.	Proposd repairs to Feeding Housing for tiger at V.J.B. Udyan.	3.22	0.57
27.	Repairs to Iron angle support of conic of Dr. Bhau Daji Lad Muiseum at V.J.B. Udyan.	0.50	---
28.	Proposed Welfare Centre at Nare Park on existing open stage at Parel, F/South Ward.	9.71	---
29.	Proposed construction of structure (Ground + 2 floors) for study room near existing Welfare Centre at 72 T/S behind Dr. Shirodkar Mandal, F/South.	6.92	---
30.	Reconstruction of Urinal and W.C. block at Muni. Workshop. R.S. Nimkar Marg.	3.40	---
31.	Provding wooden partition and furniture for office of Dy. C.E. (Vig.) at Dr. E. Moses Road, Worli	0.83	---
32.	Waterproofing treatment to sanitary blocks at C.S.M. Market, A Ward Part-I	2.76	1.74
33.	Waterproofing treatment to sanitary blocks at C.S.M. Market, A-Ward, Part-II	4.44	2.00
34.	Waterproofing treatment to terrace of Meghraj Sethi Muni. School, E-Ward.	2.00	0.74
35.	Waterproofing treatment to terrace and allied works for Chandramani Budhavihar Muni. School, E-Ward	2.84	1.00
36.	Waterproofing treatment to terrace and allied works for Sadhavi Savitribai Phule School at Mahirpada, E Ward	1.87	---
37.	Waterproofing treatment to terrace of Meghraj Sethi Muni. School, E-Ward Part-I Ground + 2 wings	4.54	---
38.	Waterproofing treatment to sanitary blocks and terrace of Bora Bazar Muni. School. Borabasar Street, Fort.	3.55	---
39.	Waterproofing treatment to terrace and allied works for Durgadevi Muni. School. C-Ward Part-I	4.05	2.78
40.	Waterproofing treatment to sanitary blocks of Worli Fire Stn. (Staff Quarters) G/S Ward	1.56	---
41.	Waterproofing treatment to terrace (Staircase room) and sanitary blocks of N.M.Joshi Mart Muni. School.	3.14	2.14
42.	Waterproofing treatment to sanitary block & other allied works of Adarsh Nagar Muni. School, G/South Part-I.	2.51	0.46
43.	Waterproofing treatment to terrace and other allied works of Adarsh Nagar Muni. School Part-II	4.84	1.25

1.	2.	3.	4.
44.	Waterproofing treatment to terrace and sanitary block of New Nairgaum Munl. School.	4.47	0.52
45.	Waterproofing to terrace of Part portion of Disp. stores and main Kitchen bldg. of G.T.B. Hosp. Sewree, F/South.	3.26	---
46.	Waterproofing to terrace of Nadkarni Park, Munl. School, F/North	4.05	---
47.	Waterproofing treatmnt to basement No. 1 and sanitary block in ward No. 2 (Gr. floor) above basement No. 1 at L.T.M.G. Hospital, Part-I	3.30	---
48.	Waterproofing treatment to sanitary block of new extension bldg. (south wing.) at G.T.B. Hospital, Sewree, F/South.	4.95	---
49.	Waterproofing to sanitary block and terrace of 20 T/s of Narses Quarters at Sanapati Bapat Marg, G/South.	3.71	---
50.	Waterproofing treatment to sanitary block of New exten. bldg. (East Wing.) at G.T.B. Hosp., F/South.	4.20	---
51.	Waterproofing treatment to sanitary block at 3rd, 4th, 5th floor of CVTC bldg., K.E.M. Hospital, F/South.	3.62	---
52.	Wataroofing treatment to sanitary block of Ward No. 1, 5 and 9 of K.E.M. Hospital.	3.22	---
53	Waterproofing treatment to senitary block of (a) Ward No. 17 and 18, (b) PRL Section, (c) Administrative office, (d) PPS ward, (e) A.Ds. Bunglow and terrace of electrophysic Therapy Centre at Orthopaedic Centre, K.E.M. Hospital.	2.35	---
54.	Waterprrofing treatment to terrace of Topiwala Lane Munl. School, D-Ward.	4.82	3.03
55.	Waterprofing treatment to terrace of Munl. School at Maratha Compound, E.S. Patanwala Marg, E-Ward.	2.74	0.60
56.	Waterproofing treatment to terrace and sanitary blocks of Dr. Babasaheb Ambedkar Road, Munl. School Phase-I	4.97	1.72
57.	Waterproofing treatment to terrace and sanitary blocks of Dr. Babasaheb Ambedkar Road Munl. School, Phase-II	4.99	2.10
58.	Waterproofing treatment to terrace (west wing) of Munl. Industrial Estate Worli, G/S, Part-III	2.89	1.43
59.	Waterproofing treatment to terrace (middle wing) of Munl. Industrial Estate, Worli, G/S Part-II	4.07	1.41
60.	Waterproofing treatment to terrace (east wing) of Munl. Industrial Estate, Worli, G/South Part-I	4.99	1.61
61.	Waterproofing treatment to terrace and senitary block of M.H.O. Annexe Bldg. of 5th floor, Part-I	4.98	---
62.	Waterproofing treatment to sanitary block of 5th floor and part terrace of MHO, Annexe Bldg., Part-II	2.55	---
63.	Waterproofing treatment to sanitary blocks of Munl. H.O. Annaxe Bldg. at V.T., 4th and 6th floors, A-Ward	2.41	---
	Total	802.50	188.00

1.	2.	3.	4.
	WESTERN SUBURBS		
1.	Construction of school bldg. at Khotwadi, Santacruz (West)	140.77	---
2.	Construction of school bldg. at M.W. Desai Garden, Malvani, Malad (West).	143.83	---
3.	Major repairs to Muni. Primary School at Khernagar, Bandra (E)	34.96	0.47
4.	Construction of H/East Ward office at Santacruz (E).	20.96	---
5.	Construction of Hindu & Christian Cemeteries at J.V.P.D. scheme, Vile-Parle (W)	63.31	---
6.	Construction of Muslim Cemetery at Oshiwara, Jogeshwari (West)	18.20	0.73
7.	Construction of school bldg. at Oshiwara Pumping ground, Jogeshwari (West).	54.00	15.97
8.	Repairs to Akurli Road School bldg., Kandivali (East).	19.61	1.11
9.	Strengthening the auditorium at Plot No. 5, Goshala Lane, Malad (East).	3.83	---
10.	Repairs to Nurses' Quarters No. 1, 2, 3 at Tata Compound, Andheri (West).	24.66	12.09
11.	Repairs to S. K. Patil Hospital, Malad (East).	17.26	5.08
12.	Repairs to Muni. School bldg. at Prabhat Colon, Santacruz.	23.66	2.00
13.	Construction of essential staff quarters (II) Twin Bunglow for C.T.I. & R. C., Borivali (East).	9.41	3.22
14.	Constuction of electrical substation at C.T.I. & R.C., Borivali (East).	2.16	0.98
15.	Construction of Drill Tower & Flag Pole at C.T.I. & R. C., Borivali (East).	1.35	---
16.	W. P. works in H & K Wards for 1989-90	10.00	---
17.	W. P. works in P & R wards for year 1989-90.	10.00	---
18.	Repairs to School bldg. at Sanyasashram, Vile Parle.	14.31	6.37
	Total	612.28	48.02
	EASTERN SUBURBS		
1.	Providing waterproofing treatment to the terrace and guniting of Conservacy Staff Quarters at Chembur Labour Camp, Bldg No. 4.	2.99	1.91
2.	Providin guniting treatment to R.C.C. works and waterproofing treatment to the terrace of Conservancy Staff Quarters at Chembur Labour Camp, Bldg. No. 5	2.99	1.80
3.	Providing waterproofing treatment to terraces and other allied works for Municipal Trombay School, M/East Ward.	3.05	1.38
4.	Providing waterproofing treatment to terraces and allied works to Gavandi Municipal School No. 2	3.93	0.65
5.	Waterproffing treatment to terrace at New Bldg. and Morturry blcock at Rajawadi Hospital, Ghatkopar.	4.42	---

1.	2.	3.	4.
6.	Waterproofing treatment to sanitary blocks at R.M.O. Quarters at Rajawadi Hospital, N-Ward	0.94	---
7.	Providing waterproofing treatment to terrace at Bldg. No. 5 & 6 Vikhroli Park Site Colony, N-Ward	4.57	1.56
8.	Completing the incomplete work at Market Tagare Nagar, Vikhroli (East).	35.72	17.58
9.	Proposed additional works at Berve Nagar Cemetery, Ghatkoper (West).	12.98	3.11
10.	Completing incomplete work at Cemetery at Tagare Nagar, Vikhroli.	19.50	3.23
11.	Waterproofing treatment to terrace at Bldg. No. 7 at Vikhroli, Park Site Colony, Vikhroli.	2.78	1.31
12.	Providing waterproofing treatment to the terrace of Park Site Vikhroli, Fire Station and Waterproofing to R.C.C. Tank of Fire Station Bldg., at L.B.S. Marg, Mulund (West).	3.09	1.28
13.	Waterproofing treatment to terrace of New Bldg. at Bhandup Maternity Home, S-Ward	2.47	---
14.	Waterproofing treatment to (i) R.C.C. storage tank, (ii) Parapet wall, (iii) Structural repairs at Tank Road Muni. School, Bhandup.	4.92	4.12
15.	Providing waterproofing treatment to terrace and other allied work at S.L. Road Muni. School, Mulund (West).	2.51	1.42
16.	Completing incomplete work of Welfare Centre at Chembur Labour Camp (Terminated)	15.84	---
17.	Proposed constn. of Muslim Burial ground of Cheeta Camp (terminated.)	20.63	5.99
18.	Proposed repair work (Civil & Electotrical) to the Maternity Home, Chembur Naka (terminated)	11.09	3.76
19.	Proposed repair (civil & elect.) to the Conservancy Quatrters at Dadasaheb Gaikwad Road, Mulund (West) (terminated).	18.83	---
	Total	173.25	49.10

DEPUTY CITY ENGINEER (PROJECT)

Statement showing the works completed during the year 1989-90

Sr. No.	Name of the work	Expenditure upto 31.3.90
1.	Maintenance of R.O.B. Vehicular Bridge and sub-ways etc. in Greater Bombay.	9.47
2.	Construction of F.O.B. Across D.N. Road at V.T. Station (work terminated)	0.77
	Total	10.24

dg :9x90.

STATEMENT SHOWING THE WORKS IN PROGRESS DURING 1989-90

Sr. No.	Name of the work	Estimated Cost Rs.	Expenditure upto 31.03.90 amount in lacs. 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	25.61
2.	Construction of Bridge and approach Road acroos Gorai Nalla on 60' D. P. Road, Charkop, Kandiwali (West) for B.U.D.P. - I	131.64	20.45
3.	R.O.B. between Kandiwali and Borivali Railway Station in lieu of L.C. No. 32 of K.M. 33/2-3	353.06	10.85
4.	Extension of Jetty at Gorai	7.32	---
5.	Proposed Vehicular Bridge across Dahisar River, Borivali (W)	68.38	5.46
6.	Construction of Pedestrian Sub way acroos S.V.Road, and its junction at Gazdar Raod, Andheri	31.64	4.58
7.	Proposed pedestrian subway near Lotus Tank across S. V. Road, Bandra	39.84	work terminated
8.	Construction of Pedestrian Sub way on Veer Nariman Road, Opposite churchgate Railway Station.	102.12	4.55
9.	Proposed low level fly over at Senapati Bapat Marg, Dadar (West)	295.46	---
10.	Proposed widening of G. D. Ambekar Marg near M/s. Crown Alluminium Factory, Parel	52.68	14.12
11.	Construction of widening ramp along Sion-Mahim Link Road at Mahim	46.74	---
12.	Maintenance of F.O.B., Vehicular bridge and Sub-ways etc. in Bombay.	70.14	24.75
13.	Proposed construction of Ramp for South bound traffic from R. O. B. along Sion-Mahim Link Road to Senapati Bapat Marg at Mahim	50.82	13.66
14.	Repairs to expansion joints of Kemp's Corner	11.49	Work could not started due to permission of Traffic Police
15.	Proposed F. O. B. across Br. Nath Pai Marg juction Nawab Tank Road near Dook Yard Road	10.11	4.51
16.	Enclosing open space below the R.O.B. at Wadala	10.67	2.25
17.	Proposed pedestrain subway near L.T.M.G. hospital	50.30	work terminated
18.	Enclosing open spaces below the vehicular bridge on Mahul Ghatkopar Raod, Chembur	15.80	1.10
	Proposed bridge over Nalla near Pestom Sagar and B.E.S.T. Colony, Ghatkopar	18.17	2.95
		1628.23	**134.84**

ANNEXURE II

Performance Report
April 1989 - March 1990

Sr No.	Activity	No. of Samples
1.	Routine Monitoring (22 sites)	43002
2.	Vicinity of Industries	16 sites 1449
3.	Assessment of Auto exhaust	25 sites 1897
4.	Heal Project	169
5.	British Link Way Project Amboli- Two Sites	367
6.	Meteorology No. of obsevations	90628
7.	Data processing No. of statistical function	75500

ANNEXURE III - PART - A

SPECIAL SAMPLING
APRIL 1989 - MARCH 1990

Sr. No.	Month	Site	No. of Samples
1.	April 89	I. Dahisar	198
		II. R. C. F. (ANP Plant)	
		iii. Jay Bharat Soap Factory	
		iv. Asphalt plant Powai	
2.	Sept. 89	v. Dadar Cremetorium	204
3.	Oct. 89	vi. Sion Cremetorium	33
4.	Nov. 89	i. Indu Mill	54
		ii. Sukrat Building	
5.	Dec. 89	i. Dharavi	33
		ii. Supari Tank Bandra	
6.	Jan. 90	I. Dahisar	689
		ii. Vashi	
		iii. B.P.T. Colony	
7.	Feb.90	I. Dahisar	208
		II. Vashi	
8.	March 90	i. C. P. C. B.	30
	Total	**16 sites**	**1449 Samples**

ANNEXURE III PART B

AUTO EXHAUST SAMPLING
APRIL 89 - MARCH 90

Sr. No.	Month	Sites	No. of Samples
1.	April 89	i. Haji Ali	180
		ii. Maheshwari Udyan	
2.	May 89	i. Haji Ali	681
		ii. V.T.	
		iii. Opera House	
		iv. Mahim	
		v. Peddar Road	
		vi. Nana Chowk	
		vii. Kotwal Garden	
		viii. Ghatkopar	
3.	June 89	i. Bandra	748
		ii. Worli Naka	
		iii. Malad	
		iv. Sion	
		v. Maheshwari Udyan	
		vi. Chembur	
		vii. Ghatkopar	
4.	Oct. 89	i. Maheshwari Udyan	90
5.	Dec. 89	i. Bandra	13
6.	Jan. 90	i. Dahisar	96
		ii. Vashi	
		iii. Mahim	
7.	Feb. 90	i. Dahisar	89
		ii. Bandra	
		iii. Golden Tobacco	
	Total	25 sites	1897 Samples

CHIEF ENGINEER (DEVELOPMENT PLAN)

As already mentioned in the report of the last year, the Municipal Corporation have finalised the draft revised Development Plan of Greater Bombay and the same has been submitted to the State Government for approval. The sanction of the State Government to the said plan is, however, still awaited.

It will be possible to grant permission for develoment on the sites reserved for Municipal Retail market, Welfare Centre, Library, Maternity Home, Dispensary, etc. subject to the condition that the owner will hand over the required built up accommodation for these amenities free of cost to the Municipal Corporation. This will also include provisions of these amenties and will ultimately lead to the speeder implementation of the Development Plan. The policy in this respect is being framed.

It has been proposed to levy a scrutiny fee while considering grant of permission on Industrial zone land for residential/commercial purposes, etc. and for grant of development permission on the land reserved for various puplic purposes and which can be allowed by the owner, subject to the conditions mentioned in the D. C. Rules. It is also proposed to levy scrutinyfee while granting T.D.R. It is felt that these measures will help the Municipal Corporation in parly meeting the establishment cost.

Besides above, the necessary information and assitance, as is being asked by the Government for finalisation of the draft revised Development Plan, are being given from time to time.

Further, the Development Plan, wing of the Chief Engineer (Development Plan) is also connected with formulating the various policies required for implementation of the Development Control Rules and Development Plan, etc. The necessary policies in this respect are being framed from time to time laying down guidelines, conditions etc. so as to have a uniform policy.

ACQUISITION :

In view of the Development Control Regulations for Greater Bombay, 1991, the Municipal Corporation will be in a position to take over possession of large number of lands reserved for different public purposes by granting Transfer of Development Rights (T.D.R.) Number of properties are under acquisition and it has been decided to give prority for grant of T.D.R. in respect of the lands where the acquisition proceedings have been initiated and the lands are already notified for acquisition under the provisions of Land Acquisition Act I, 1894. Wherever the lands are immediately needed for specific projects like Road Over Bridge, New work of road ect: acquisition proceedings have been continued. Similarly the cases where purchase notice have been served by the owners of the land under reservation are also required to be acquired to comply with the provisions of section 127 or 49 of the M. R. & T. P. Act, 1966 as amended upto date as the case may be. In view of above, in the financial year 1990-91 in six cases acquisition proceedings to acquire the lands have been initiated. In six cases, the possession of the land have been taken over by the Municipal Corporation through the S.L.A.O. and the standard rent for 35 Municipal properties have been fixed.

The Municipal Corration has taken over possession of 7 plots from the State Government for public purposes. It may please be mentioned here that as per the provisions of Urban Land Ceiling and Regulation Act, 1976, while approving the under section 20 & 21 of the said Act, the developers are directed to hand over the lands reserved for various public purposes within their holding to the Municipal Corporation free of cost and free encumbrances etc. Similarly, in case of D. P. road lands the owners are allowed to avail of the benefit of the additional F.S.I. in lieu of D.P. road lands under the provisions of Development Control Regulations for greater Bombay, 1991. subject to their handing over 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, therefore, taken over possession of D.P. road lands in 14 cases free of cost and free of encumbrances. Such roads taken over are also

constructed including provision of S. W. Drains by the owners as per the Municipal specifications and cost of providing street light is also paid by the owners.

TOWN PLANNING SCHEMES IN GREATER BOMBAY

There are in all 33 T.P. schemes in the Greater Bombay of which 4 T. P. schemes in Suburbs and extended suburbs and except the below mentioned T.P. SCHEME in the list at Sr. No. 1, all the T. P. schemes are being implemented by the concerned Ward Officers. Also the 24 T.P. schemes mentioned in the list No. II below, are under variation to incorporate the proposal under the draft revised D. P. of the Greater Bombay and other provisions etc. and after finalisation of R.D.P. by the State Govt. the draft scheme for the propose variation of the 24 T.P. scheme will be submitted to the State Government for final sanction.

LIST NO. I

1.	T. P. S. Vileparle No. V	The final sanction of the State Government to this T.P. Scheme is still awaited.
2.	T. P. S. Borivali No. II	The final sanction of the State Govt. to the Ist variation of this T.P. scheme is still awaited.
3.	T. P. S. Borivali No. III	The Arbitrator, T.P.S. Bombay has submitted its report to State Governemnt. For this scheme Government has appointed Enquire

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 and IV-A
17. T. P. S. Vileparle No. VI
18. T. P. S. Andheri I
19. T. P. S. Andheri II
20. T. P. S. Andheri VI
21. T. P. S. Ghatkopar I
22. T. P. S. Ghattkopar II
23. T. P. S. Malad I
24. T. P. S. Borivali No. I

THE ZONAL SETUP OF BUILDING PROPOSAL SECTION :

Greater Bombay area has been divided into three zones viz. Xity zone, Western suburbs zone and Eastern suburbs zone under the control of Ch. Eng. (D. P.)'s Department and activities of Building Proposal section in these zones are now in full swing. The zonal Dy. City Engineers are giving technical guidance in Engineering matters to the respective Executive Engineers of Building Proposal section and Ward Officers in their zones so far as private developments are concerned.

In order to streamline the procedure in the Building Propodal section as also to out short the delay in approving the plans, a manual has been prepared by the Administration in consulation with PEATA and with the adoption ofc 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.

sd/-
CH. ENG. (DEV. PLAN)

STATEMENT - II

Particualrs	Development Plan	Building Proposal	Eastern Suburbs	Western Suburbs.
I - Expenditures				
1. Expenditure incurred on execution of works from L. W. Budget	94,96,477.00	Report will be submitted seperately through E. E. B. P. (City)	Nill	2,45,92,532.00
2. Expenditure incurred on execution of works for maintanance of properties etc. from Revenue Budget.	6,84,408.00	Nil	Nil	Nil
3. Expenditure on establishment.	81,95,926.00	60,56,599.00	20,89,260.00	1,35,03,991.00
4. Expenditure on the other heads				
a) from Loan Works Budget.	1,09,95,462.00	Nil	-Nil	Nil
b) from Revenue Budget	7,24,697.00	1,62,392.00	46,557.00	1,40,659.00
		62,18,991.00	**21,35,817.00**	**3,82,37,182.00**
II - Revenue earned by the Deptt. During the year 1989 - 1990	34,58,097.00	1,72,33,536.00	1,59,90,228.00	6,82,11,325.00

CHIEF ENGINEER
(DEVELOPMENT PLAN)

STATMENT III

Information for the period from 1.4.1990 to 31.3.1991

Particulars	City			Eastern Suburbs			Western Suburbs		
	under Sec. 337 of the BMC Act.	under Sec. 342 of 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 Sect. 342 of the BMC Act.	Total
1. Total No. of Building Proposals received.	130	273	403	233	117	350	692	197	889
2. Permits issued for construction of building (IOD/CC)	64	180	244	203	26	229	639	120	759
3. Completion certificate	84	64	148	66	9	75	448	104	552
4. Total No. of Building dealt with.	118	238	356	269	35	304	1179	421	2200

No. of residential buildings constructed by different agencies (other than Municipal) during the year 1989-90

Agencies	City		Eastern Suburbs		Westerb Suburbs	
	No. of Building	No. of tenements.	No. of Building	No. of tenements.	No. of Building	No. of tenements.
1. Private Enterprises	38	2912	40	242	335	4053
2. Co-op. Societies	17	383	7	88	62	1618
3. Employers for their employees.	12	427	12	197	15	453

CHIEF ENGINEER
(DEVELOPMENT PLAN)

STATEMENT IV

Information showing the proposals received for non-residential buildings

	WESTERN SUBURBS	EASTERN SUBURBS	CITY
1. No. of proposals received :-	115	101	188
2. No. of proposals disposed off :	84	30	109
3. No. of Bldg. constructed during the year.	31	36	23

Details of layouts amalgamation and sub-division proposal received during the year 1989-90

Wards	Layout		Amalgamation		Sub-division	
	Received	sanctioned	Received	Sactioned	Received	Sanctioned
CITY						
A	-	-	1	-	-	-
B	-	-	1	-	-	-
C	-	-	-	-	-	-
D	3	3	3	3	2	1
E	1	1	2	1	1	1
F/N	15	4	-	-	-	-
F/S	1	1	-	-	-	-
G/N	3	2	2	1	-	-
G/S	-	-	2	1	-	-
EASTERN SUBURBS						
L	11	4	4	3	5	3
M	4	3	-	-	3	1
N	2	3	1	3	3	1
T	6	4	8	5	2	1
S	4	6	2	-	2	-

WESTERN SUBURBS

71 layouts 68 proposals for amalgamation & 24 properties for sub-division were received and 18 layouts 19 amalgamation & 11 proposals for the sub-division were sanction.

CH. ENG. (DEV. PLAN)

HIGH LIGHTS
MECHANICAL AND ELECTRICAL DEPARTMENT

HIGH LIGHTS

1 - A - Expenditure		(Rs. In Crores)
1.	On execution of Loan works	1.45
2.	On Execution of Revenue Works	0.28
3.	On Establishment	1.53
4.	On Other heads	
	a) From Loan works Budget	Nil.
	b) From Revenue Budget	0.32
B - ACHIEVEMENTS		
1.	Mechanical Branch	
	a) Jobs attended by	
	i) Workshop	1005 (Nos.)
	ii) Foundry	73 (Nos.)
	iii) Washing services rendered by Municipal Power Loundry	59 (Nos.)
2.	Electrical Branch	
	A i) Building, Construction section works by contract	28 (Nos.)
	ii) In Progress	18 (Nos.)
	B Plant & Machinery Section :	
	Jobs executed a) Departmentally	460 (Nos.)
	b) Through Contract	15 (Nos.)
	C) Refrigeration Section.	
	i) Works by contract	
	a) Completed	74 (Nos.)
	b) In Progress	5 (Nos.)

Dy. C. E. (M&E)

MECHANICAL BRANCH

Under Mechanical Branch, there are in all five different Shops and one Design Section. The different kinds works/jobs carried out by these shops and the Design Section are summerised below:-

i) Mechanical shop : This is one of the important department of Municipal Corporation. In this shop they repair Road rollers and Iron Instrument used for work.

ii) Carpenter shop ; Repairs and polishing of wooden furniture of different departments, manufacturing different types of cupboards, racks, benches, hand carts etc.

iii) Paint Shop : Painting of name boards, vehicles, furnitures, hand carts, refuse bins, tree guards, wheel barrows, etc., spray painting of hospital equipments.

iv) Boiler shop : Fabrication and repairs to refuse bins, hand carts, tar boilers, fabrication of sports/gymnasium apparatus & tree guards.

v) Foundry shop ; Manufacturing various ferrous and non ferrous articles detailed report in Appendix I.

vi) Design : Executes all outdoor mechanical jobs of repairing collapsible gates, rolling shutters storage tanks, water pumps, gymnasium appartus preparation of estimatds, drawings, blue prints and estimatds of machinery and furnitures.

A)	Works/jobs completed	416 Nos.
B)	Work orders placed on out side agencies & amount thereof.	86 Nos. Rs. 28,44,040.20
	Work orders completed & amount thereof	62 Nos. Rs. 12,36,371.20
C)	i) Drawings	53 Nos.
	ii) Sketches	60 Nos.
	iii) Blue prints	1200 Nos.

2. Municipal Power Laundry at Bhoiwada Parel.

The Municipal Power Laundray has rendered washing services to 59 Medical Institutions/deptts.

During the year under report the Municipal Power Laundry has washed 53,05,85 Nos. of linens. (Revenue of Rs. 1,04,963/-)

(II) ELECTRICAL BRANCH

The Electrical Branch has carried out the different activites as under.

(i) **Planning & Design Section:** This section has carried out the work of preparation of estimate, invitation and recommendation of tenders and execution of contracts for major electrical works in the newly constructed and Old Municipal Buildings under Loan Works Programme in the Greater Bombay area limits as detailed in Appendix - II

(ii) **Building Construction Section:** This section has done the job of supervision and execution of major works in different zones for which contracts were awareded by Planning and Disign Section as detailed in Appendix - IV

(iii) **Refrigeration Section:** This section is entrusted with the work of preparation of estimates, invitation and recommendation of quotations and tenders, execution of contracts and supervision of contracts in respect of works for purchase and installations of Air conditioning and Refrigeration mechineries under Loan works programme as well as under Revenue Budget for city and Suburbs a

(iv) **Plant & Machinery Section:** The section is entrusted with the work of repairs and maintenance of electrical machinery and electrical works in the exising Municipal Properties.

(a) 22 estimates amounting to Rs. 17,72,756.00.
(b) Works carried out through 15 outside agencies costing Rs. 9,59,234.00
(c) Total 460 works completed costing Rs. 17,98,206.00.

(v) **Ward Maintenance Section:** This section is entrusted the work of Maintenance of electrical works in existing Municipal properties other than those looked after by the plant and machinery section. The details of works are as under :-

(a) Estimates prepared 128 works amounting to Rs. 73,30,270.00.
(b) Works completed - amounting to Rs. 27,26,653.00
(c) Works in progress - amounting to Rs. 14,67,747.00

Executive Engineer (Mechanical & Electrical) W.S.

The Mechanical & Electrical staff working under E.E. (M&E) WS carried out the various maintenance works in wards in the Western Suburbs including rawiring & new works departmentally.

The Staff has prepapred 118 nos. of estimates for electrical works and 113 nos. of mechanical works.

In adition to above, the works are carried out through private parties by Intviting quotations/tenders.

		Electrical works	Mechanical Works
1.	Cost of departmental works carried out	1,22,158/-	2,86,110/-
2.	Cost of the estimates prepared	37,79,553/-	19,24,298/-
3.	Cost of works carried out through private agency	7,12,284/-	6,30,357/-

Road Roller, Design & Mechanical Section in Western Suburbs.

During the year, there were 33 nos. diesel road rollers in operation for the entire area of the Western as well as Eastern suburbs. The Workshop situated at Khar has carried out the work of maintenance of Road Rollers in Eastern as well as Western Suburbs.

The details of works carried out during the year 1989-90 are given below:-

(1)	No. of breakdowns attended.	175
(2)	No. of jobs attended	24
(3)	No. of Preventive Maintenance works attended	105
(4)	Part A	55
	Part B	28
	Part C	15
(5)	Office Furniture	
(6)	Cremetorium	
(7)	Hospital jobs	
(8)	Special jobs	

(b) Electrical Works

(1)	1988-89 balance work	68
(2)	Job received	433 Nos.
(3)	Job completed	411 Nos.
(4)	Job balance	90 Nos.
(5)	Repaired Electrical works	451 Nos.

Executive Engineer (Mechanical & Electrical) E.S. at Mulund

The mechanical & electrical staff working under E.E. (M&E) E. S. has carried out the various maintenance warks in works including rewiring and new works departmentally.

141 nos. of estimates were properties for the electrification as well as mechanical works during the year 1989-90.

In addition to the above, few works were also carried out through private parties by inviting quotations/tenders. The details of electrical maintencance works carried out during the year are as under :-

i)	Cost of estimates prepared	Rs.	71,99,108/-
ii)	Cost of departmental works carried out	Rs.	3,31,607/-
iii)	Cost of the works carried out through private agencies.	Rs.	14,55,022/-

Mechanical Repairs Shop:

The Mechanical Repairs Shop known as Design Section has carried out mechancal repairs and maintenance works of various municipal properties such as hospitals, markets, schools, gardens, and office building etc. in Eastern suburbs. This section has attended the mechanical works of repairs and maintenance of rolling shutters, collapsible gates, M. S. Over Head Tanks, hand carts, stel furniture, certain cemetry items, electrical pump sets and breakdowns of pumps etc.

The details of works/jobs carried out during the year are as under :

i.	Pending Jobs at beginning of the year.	57 Nos.
ii.	Jobs received	88 Nos.
iii.	Jobs completed	845 Nos.
iv.	Breakdown works of Pumps attended.	91 Nos.

Medico Electronics Cell at Bhandup Complex

Medico Electronics Cell was established for providing in house repairs/maintenance facility for sophesticated medical equipments. During the year under report, the Cell has repaired 294 nos. of medical quipments on the spot by paying periodical visits to major general hopitals and peripheral hospitals.

1.	Total equipment repaired	166
2.	Total of equipments left unrepaired	44
3.	Scrap equipments	25
4.	On the spot repaired	294

In addition to above, M.E. Cell has rendered service by way of advising hospital autorities on purchase of medical equipments and entering into service contracts for the same.

sd/-
Dy. C. E. (M & E)

APPENDIX - I

DETALED REPORT OF TOTAL OUT PUT OF MUNICIPAL FOUNDRY FOR YEAR 1990-91.

Sr. No.	Name of the castings	Quantity	Rate Rs.	Per	Amount Rs.
1.	C. I. Manhole frames and covers 540 mm.	756 Nos.	1,350.00	Each.	10,20,600.00
2.	Rect. Manhole frames and covers 914 x 610 mm.	361 Nos.	1,600.00	Each.	5,77,600.00
3.	Rect. Manhole frames and covers 914 x 467 mm.	246 Nos.	1,350.00	Each.	3,32,100.00
4.	C. I. Machinable casting	35000 Kgs.	14.00	Kg.	4,90,000.00
5.	Brass Casting	1406 Kgs.	80.00	Kg.	1,12,480.00
6.	Surat type pyre set	45 sets	20,900.00	Set	1,40,500.00
7.	Scrapper Manhole covers	189 Nos.	500.00	Each.	94,500.00
					33,67,780.00

APPENDIX - II

ELECTRICAL WORKS CARRIED OUT UNDER E. E. MECH. (E. I.) P. & D.) DURING THE YEAR 1990-91.

Sr. No.	Description	City Estimates	Subs. Prepared	Amount City Rs.	Amount Subs.	contract awarded City	contract awarded Subs.	Amount City Rs.	Amount Subs. Rs.	REMARKS
1.	School	7	6	4,22,292.00	7,61,723.00	-	-	-	-	
2.	Housing	5	2	18,43,997.00	4,65,000..00	1	-	7,20,181.00	-	
3.	Hospitals, Maternity Homes, Dispensaries	3	2	5,04,741.00	6,18,853.00	-	-	-	-	
4.	Markets	-	-	—	—	-	-	—	—	
5.	Offices	5	5	6,20,760.00	4,64,415.00	2	1	1,70,458.00	43,198.00	
6.	Transport Garage	-	2	—	2,59,122.00	-	-	—	—	
7.	Welfare Centre	1	-	—	71,000.00	-	-	—	—	
8.	Cemetery	1	1	21,17,232.00	72,00.00	-	-	—	—	
9.	Swimming Pool	-	-	—	—	-	—	—	—	
10.	Lifts	-	2	15,00,000.00	15,00,000.00	1	1	2,49,000.00	4,78,079.00	
11.	Fire fighting	1	-	13,25,000.00	—	1	-	8,35,385.00	—	
12.	Fire Brigade	2	1	76,500.00	10,07,000.00	-	-	—	—	
13.	Gardens	3-	4	2,01,000.00	7,61,000..00	5	1	3,82,953.00	38,787.00	
14.	Sport Complex	-	-	—	—	-	-	—	—	
15.	Other (Extra)	13	9	21,81,903.00	12,63,085.00	6	2	6,38,313.00	1,33,472.00	
	TOTAL :		75	16,53,06,625.00		21		36,89,825.00		

"APPENDIX - III"

A STATEMENT SHOWING THE ELECTRICAL CONSTRUCTIONS WORKS COMPLETED AND IN PROGRESS DURING THE YEAR 1990-91.

Sr. No.	Description of work.		Works completed	Actual expenditure Rs. in lacs	Works in-progress.	Expenditure incurred in lacs upto 31.3.91 Rs.
1	2		3	4	5	6
1.	HOUSING :	City.	-	-	3	1.20
		Eastern Suburbs	1	15	1	1.02
		Western Suburbs.	-	-	2	2.00
2.	HOSPITALS, MATERNITY HOMES & DISPENSARIES :	City.	1	16.70	8	20.21
		E. S.	2	3.05	1	-
		W. S.	-	-	3	1.50
3.	SCHOOLS :	City.	2	2.60	2	1.25
		E. S.	-	-	-	-
		W. S.	1	0.30	7	2.00
4.	OFFICE BLDGS. :	City	2	0.70	-	-
		E. S.	-	-	-	-
		W. S.	-	-	-	-
5.	FIRE FIGHTING ARRANGEMENTS :	City	-	-	-	-
		E. S.	-	-	-	-
		W. S.	-	-	-	-
6.	CEMETERIES :	City	2	1.40	-	-
		E. S.	-	-	1	2.00
		W. S.	-	-	-	-
7.	SOCIAL WORK	City	1	0.15	-	-
		E. S.	-	-	-	-
		W. S.	-	-	-	-
8.	LIFTS :	City	3	0.33	2	0.37
		E. S.	-	-	-	-
		W. S.	-	-	3	1.25
9.	FIRE BRIGADE	City	2	0.46	-	-
		E. S.	-	-	-	-
		W. S.	-	-	-	-
10	GARDENS :	City	5	1.81	3	1.20
		E. S.	2	1.05	-	-
		W. S.	-	-	-	-
11.	LIBRARY	City	-	-	-	-
		E. S.	-	-	-	-
		W. S.	-	-	-	-
12.	MARKETS :	City	-	-	-	-
		E. S.	-	-	-	-
		W. S.	-	-	-	-
13.	GARAGES :	City	-	-	-	-
		E. S.	-	-	-	-
		W. S.	-	-	-	-
14.	SOUND SYSTEM	City	-	-	-	-
		E. S.	1	6	-	-
		W. S.	-	-	-	-

15. D. G. SETS :	City	-	-	-	-
	E. S.	4	7.00	-	-
	W. S.	-	-	-	-
16. SWIMMING POOLS :	City	-	-	-	-
	E. S.	-	-	2	6.00
	W. S.	-	-	4	1.60
17. WELFARE CENTRE :	City	-	-	-	-
& GYMNASIUM	E. S.	-	-	-	-
	W. S.	-	-	5	27.00

ADMINISTRATIVE REPORT OF EXECUTIVE ENGINEAR (TRAFFIC & CO- ORDINATION) AND EXECUTIVE ENGINEER (TRAFFIC PLANNING) FOR THE YEAR 1989-90.

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 withing City Limits.

The detailed report is as follows :-

The total No. of electric street light lamps on the road, foot- over-bridge, gardens etc. as on 31st March 1990 is as under :-

I.	As on 31-3-1989	As on 31-3-1990	Increase
	28397 Nos.	28805 Nos.	408 Nos.

The details of the different types of street lamps are as under :-

Sr. No.	Desription	T.F.	HPMV	Floure-scent	Sodium vapour	Holegen Lamp	Blended	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.
1	Municipal	100	12363	375	187	103	190	13318
2	All-in-Hire	-	12344	14	3119	10	-	15487
	Total	**100**	**24707**	**389**	**3306**	**113**	**190**	**28805**

II. a) Total Nos. T.D. Ballards as on 31-3-90. 138 Nos.

III. The following statement shows the total electrical energy consumed for the street lighting net work for the whole city.

C Period from 31-3-89 to 31-3-90.

Decription	Liad in K.W.	K.W.H.
Municipal	1842.661	7702341
B.E.S.T. (Call-in-Hire)	5208.091	20833105
Total	**7050.752**	**28535446**

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.	480640.00/-
2.	Shifting of street lamps	Rs.	148186.00/-
3.	Improvement of street Lightings	Rs.	1891900.00
	Total	**Rs.**	**2500726.00**

V - The details of Improvement carried out during the year 1989-90 are shown in appendix - II

VI - During the year 1989-90 the progremme for change over of HPMV Lamps to HPSV on main corriders is continued.

It is proposed to replace all existing Mercury Vapour Lamps by Sodium Vapour Lamps on the major arterial roads phasewise and to provide semi highmast lamps with sodium vapour at some major junctions.

Temporary lighting arrangement was make during Ganapati Festival at Girgaon chowpatty, Cuffe Parade, Mazgaon, Colaba, Banganga for general public visiting immersion ceramany.

The lighting arrangement was also provided during Navaratra Festival at Mahalaxmi Temple and

Mahim Fair at Mahim and New Year eve 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, clearing and lighting B.P.T. roads in Docks and Bunders and in Cotton Depots as per C.R. No. 2598 of 30.3.82.

An expenditure of Rs. 18 lakhs is incurred on this account and is adjusted form taxes due from the B.P.T. in respect of property by 'A' ward.

PART II - SUBURBS AND EXTENDED SUBURS

The total No. of Street lights at the end of the year as on 31.3.90 is 40,078 Nos. as against the total of 50,900 no. in the previous year.

The detail of different type of lamps are as shown below :-

Sr. No.	Description	T.F.	H.P.M.V.	T.D. Bollard	Sodium Vapour Lamps	High Mast	Total
1.	2.	3.	4.	5.	6.	7.	8.
1.	B.S.E.S.	Area 1228	38056	283	3034	2	42603
2.	M.S.E.B.	Area 520	3955	-	-	-	4475
	Total :	**1748**	**42,011**	**283**	**3034**	**2**	**47,078**

Temporary lighting arrangement was provided during Ganapati Festival at Danda Village, Khar Versova Beaches, Juhu Beach, M. G. Road, Goregaon, Modh & Marve Sea Beaches, Dahisar River in Western Suburbs and Wadia Tank, Kurla (W), Trombay Mahul safty and Charal Pend at Chembur. Ramabai colony near Eastern side culvert E. E. Highway, Powai Lake, Shivaji Talav, Bhandup, Mithgar Road Pond in Mulund in Eastern Suburbs for safety of general public visiting Ganapati immersion ceremony.

The details of Improvement carried out in Western Suburbs during the year 1989-90 are shown in appendix IV and Eastern Suburbs appendix V respectively.

REMOVAL OF VEHICLES:

Vehicles found abendened or undergoing repairs public roads or footpaths, causing obstruction to the traffice and pedestrians are removed to Municipal custody under section 314 of the B.M.C. Act during the year under report, total no. of 1264 vehicles were removed to Municipal custody out of which 843 vehicles were retrieved by the parties on payment of towing and demurrage charges the uncleaned vahicles which are lying in various Municipal yards are auctioned to recover Municipal dues on this account.

TRAFFIC AMENITIES :

The work of construction of 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 marking such as strips, pedestrians crossings, roads dividers and kerbs were painted on all importnat roads in the City and Suburbs.

Following is the table which shows an expenditure incurred on the traffic amenities in City, Western and Eastern Suburbs.

Sr.	Name of work	City	W. S.	E. S.
1.	Construction of traffic Islands channalisers, dividers etc.	29,65,868	23,42,752	27,79,153
2.	Erection, supply of speed breaker boards.	27,832	50,873	11,970
3.	Street name boards etc.	5,79,070	8,74,673	2,73,646
	TOTAL :	**35,72,770**	**32,68,308**	**30,64,769**

The name of roads to which regular lines were prescribed are shown in Appendix I & III.

SIGNAL IMPROVEMENT PROGRAMME :

The Traffic department in bonsultation with the Trafic Police have taken up the project of modernisation and standardisation of the existing signals. Under the Prime Ministers Grant Programme a prestigious project of signalisation of 109 intersections in Greater Bombay has been taken by providing interlinked synchronised microprocessor based traffic signal system at a total estimated cost of Rs. 6.9 crores. The project is proposed to be completed by November 90.

The Maintenance of Inter linked miscroprocessor based traffic signal system comprising of 82 intersections is undertaken by this office.

Total No. of signals in operation through various companies in the year 1989-90 are as under:-

1.	No. of I. C. I. signals	119 Nos.
2.	No. of Philips Signals	88 Nos.
3.	No. of Maltron Ltd. Signals	15 Nos.
4.	No. of I. B. I. signals	67 Nos.
	TOTAL :	**289 Nos.**

INTER UTILITY CO-ORDINATION CELL :

The inter-utility co-ordination cell which was established earlier, properly regulated and co-ordinates on the extansive excavations on roads and footpaths undertaken by various utility concerns on major roads. The programme is called for from each utility concerns and the same is discussed in central committee meeting 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 of utility concerns.

The meeting 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.

The department has also initiated a project of providing computerised infrastructure with Geographical ground utilities. The project is proposed at on estimated cost of Rs. 60/- lakhs. The proposal is being reviewed by the Apex Committee and will be finalisedddddd shortly.

The work of naming and renaming of streets, chowks is looked after by this department and the proposals received from the ward offices are scrutinised and forwarded further to compectent authority for their approval.

CEMENT CONCRETE :

The Municipal Corporation of Greater Bombay has undertaken a massive programme for construction of roads in cement concrete. The cost of this project was Rs. 44 crores, approx. It was experienced that every monsoon the asphalt road gets damaged and potholes are formed which

obstructs smooth flow of vehicular traffic. These potholes recurr at the sides where -

1. There is inadequate S. W. D. arrangement.
2. There are low lying areas subjected to flooding during monsoon.
3. Roads subjected to heavy loads from 8 tonnes to 16 tonnies and intensity of traffic (vehicular) is tremendous particularly turning movements at the intersections.

It is difficult to attend bituminous roads during wet spell and a small pothole becomes big, if it is not attended intime. Further maintenance cost of bituminous roads is may high. There are positive advantages of construction of cement concrete;

a) On weaker sub grade, parformance of the concrete road is for better.
b) The road has good visibility during night hours.
c) Concrete road has good skid resistance and vehicle tyres have firm grip of road.
d) Riding quality of concrete road is much better.
e) Maintenance cost is very low.

It was decided to provide M-350 concrete, 300 mm in thickness without any temperature re-inforement. There were 10 works in the City area, 9 works in Western Sub. area and 8 works in Eastern Sub. area. It has been proposed to continue the road concreting programme for at least a period of 5 years so that the main corridors get concreted.

APPENDIX - I

The Regular lines have been proposed and sanctioned on following Roads during the year 1.4.89 to 31.3.90 for City area.

Sr. No.	Plan No. & Date	Name	Width	Ward	Remarks
1.	2/21.9.89	Lane between Nagindas Master Rd. and Mumbai Samachar Marg	40"	A	
2.	1/19.3.90	Widening of Road No.19 near L. T. Hospital, Sion	14'-0"	F/N	
3.	2/19.3.90	Widening of Bhiman Street & Bhawanji Arjun Khimji Marg, Matunga	20'-0"	F/N	

APPENDIX - II

Following is the details of imporvement of Street Lighting carried out during the year 1989-90.

1. Cury Road
2. Babula Tank Road
3. Road No. 14 A Matunga
4. L. H. Kataria Road
5. Yusuf Meher Ali Road
6. J. A. Kadam Marg
7. Jam Sankar Yogtik Marg
8. Jalgoan Section
9. D. L. Vaidhya Marg
10. K. N. Vaidhya Marg
11. T. B. Kadam Marg
12. Ebrahim Rahemtulla Marg
13. S. K. Mistry Road
14. Mohamamd Ali Road

APPENDIX - III

The Regular lines have been proposed and sanctioned of following Roads during year 1.4.89 to 31.3.90 for Western and Eastern Suburbs.

Sr. No.	Plan No. & Date	Name	Width	Ward	Remarks
1.	2.	3.	4.	5.	6.
1.	8 29.4.89	Proposed Regular Line near Bus Stop opp. Malad Rly. Station (W)	44	P	Sanctioned
2.	9 27.4.89	Proposed 27.40 m. R. L. at Park Site Colony, Vikhroli (W)	90	N	Sanctioned
3.	9(A)	—"—	90	N	Sanctioned
4.	10 11.5.89	R. L. of Krishna Memon Marg between S.C.Chagla Marg and Tulsi Pipe Line at Andheri (E)	30	K/E	Proposed
5.	10(A)	Proposed R. L. at Swami Vivekanda Road & Krishna Menon Road between Andheri (E) Rly. Station to S.C.Chagla Marg	90	K/E	Sanctioned
6.	11 18.9.89	New 44 R. L. to Dahisar River at Dahisar (W)	44	R	Sanctioned
7.	12 11.12.89	Widening of Birla Lane at Juhu	44	K	Sanctioned
8.	13 14.12.89	Widening of Bazaar Road at Bandra (W)	25 30	H	Sanctioned
9.	14 18.12.89	Proposed R. L. to I.C.Colony Rd. near C.T.S. 1317, Ektar Village, Borivali (W)	155 m 13 m	R	Proposed
10.	15 21.12.89	Widening of 55th Road near Vasantrao Road & 56th Road Borivali (W)	40	R	Sanctioned
11.	16 21.12.89	Proposed R. L. to Ramchandra Rd. from B.A.Patel Industries to Section Road, Malad (W)	44	P	Proposed
12.	17	Widening of Hall Road, Kurla (W)	60	L	Sanctioned
13.	9 22.3.90	Proposed Road from Vaibhav Industries to Telecom Factory towards V.N. Purav Marg, Devnior	33.0"	M	Proposed

APPENDIX - IV

List showing improvement of Street lights during 1.4.89 to 31.3.90 in Western Suburbs limits

1. Westen Highway From Nehru Road Jn. to Milan Subway, Vile Parle (E).
2. Sant Dhyaneshwar Marg, Near Chandan Cinema, Vele Parle (W).
3. 90 Proposed Road between J. P. Road Jn. & R.T.O. Marg, Andheri (W).
4. Somnath Lane, Bandra (W).

5. Westen Highway from Bahar Cinema Jn. to Nehru Road Jn., Vile Parle (E).
6. Prathna Samaj Cross Road, Vile Parle (E).
7. Westen Highway from S. V. Road Jn. to Kher Wadi Jn. Bandra (E).
8. Westen Highway from Kher Wadi Jn. to Nehru Road Jn., Santacruz (E).
9. Hill Road, Boran Goan, Bandra (W).
10. Gondavli, Andheri (E).
11. Vakola Pipe Line, Milind Nagar, Santacruz (E).
12. Mount Marry Road, Bandra (W).
13. Westen Highway from Sahar Road to Sahar Goan, Andheri (E).
14. Sahar Road from Sahar Goan to I.A.A.I. Marg, Andheri (E).
15. 13th and 18th Road Jn., Bandra (W).
16. Prabhat Colony, Santacruz (E).
17. Gazal Darbundar Marg, at Juhu Road, Santacruz (W).
18. Bandra Reclamation Road No. 1, Bandra (W).
19. Kalina Goan, Santacruz (E).
20. S. V. Road from Oshiwara Bridge to Patkar College, Goregoan (W).
21. Motilal Nagar, M. G. Road, Opp. B.M.C. Office, Goregoan (W).
22. Westen Highway Near Goregoan Mulund Link Road Jn., Goregoan (E).
23. Westen Highway from Dindoshi to Kama Ind., Estate, Goregoan (E).
24. Teen Dongri, Goregoan (E).
25. Sabnis Wadi and Vishveshwar Nagar, Goregoan (E).
26. Dharuwala Compound, Malad (W).
27. Manori Village, Malad (W).
28. Marve Road, Malad (W).
29. Marve Road from Malwani Colony to Malwani Goan, Malad (W).
30. Nivesiva Road, M. W. Hospital, Malad (E).
31. Ram Nagar Pool, Malad (W).
32. Manori Goan, Malad (W).
33. Westen Highway from Pushpa Park to Dindoshi, Malad (E).
34. Nursing Lane and Lala Lajpatrai Marg, Malad (W).
35. Westen Highway from Dattani Park to Akurli Road, Kandivali (E).
36. S. V. Road from Borivali Railway Crossing to Datta Pada Jn., Borivali (E).
37. S. V. Road from Umedha Azam Marg to Poisar Depot Jn. Borivali (E).
38. Ovary Pada, Dahisar (E).
39. Cha. Shivaji Marg, Dahisar (E).
40. Hari Sankar Joshi Marg from Vaman Rao Sawant Marg & Desai Road, Dahisar (W).
41. S. V. Road from Devidas Lane Jn. to Mandapeshwar School, Borivali (W).
42. S. N. Dhube Marg, Dahisar (E).
43. Sankar Tare Marg at S. T. Marg, Dahisar (W).
44. S. V. P. Road, Borivali (W).
45. L. T. Marg Near D. P. Marg, Borivali (W).
46. Y. S. Tawde Marg from Sir Bharucha Marg, Padmakar Javale Marg & Laxmibai Lad Marg, Dahisar (E).

APPENDIX - V

Improvement of street lights from April 89 to March 90. (Eastern Suburbs)

1. On R. C. Marg from Chembur Naka Jn. to Vadawali Naka, Chembur.
2. On L. B. S. Marg from L Ward to S. M. Road Jn. Kurla (W).
3. On L. B. S. Marg from S. M. Road Jn. to C.S.T. Road Jn., Kurla (W).
4. On L. B. S. Marg from C.S.T. Road Jn. to Kamani Jn. Kurla (W).
5. Link Road between Govandi Stn. Road and Denoir Goan Road, Chembur.

6. Khardeo Nagar, Govandi, Chembur.
7. On L. B. S. Marg from Kamani Jn. to Nari Govasadan Marg, Kurla (W).
8. Budha Nagar, Gautam Nagar; Nimboji Baug, Chembur.
9. 3rd Road & 7th Road, Ghatkopar (W).
10. Tilak Nagar, Chembur.
11. Eastern Highway & V. N. Purav Nagar Jn. (Burmashell Brigde), Kurla (E).
12. Golibar Marg, Ghatkopar (W).
13. Navpada Village, Church Road, Kurla (W).
14. Anand Park, Vikhroli (W).
15. Gopal Lane, Ghatkopar (W).
16. 20th Road, Chembur.
17. Road towards Barve Nagar, Ghatkopar.
18. On Sion Trombay Marg Near Suman Nagar, Chembur.
19. Level Crossing (South), Vikhroli (E)
20. Kanamvar Nagar, Vikhroli (E).

MUNICIPAL CORPORATION OF GREATER BOMBAY

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 department with various branches under him, viz for construction and maintenance of Roads and Storm Water Drains which is manned by Dy. Chief Engineer viz. One for City, One for Eastern Suburbs and One for Western Suburbs and One for Planning. In addition to above, there is Chief Engineer (C. C. Roads & Traffic) looking after the work of traffic and co- ordination. He co-ordinates the works of various utilities with Addl. 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, this post has been transferred under the City Engineer and is, therefore, designated as Dy. City Engineer (Bridges)

This work of Traffic &Co-ordination with Traffic Police Department and Government of Maharashtra being indepeejdejtnone and looked after by Dy. Chief Engineer. (Roads) Traffic. The same is transferred under Addl. Municipal Commissioner.

However, the department of Roads and Storm Water Drains headed by Chief Engineer is required to take up following projects in addition to the normal load of planning, construction and maintenance of roads and storm water drains and nallah training works. These projeccts are :

1. **Prime Minister Grants Project : (P. M. G. P.)** : 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, Kandivali, ii) Gorai (Borivali), iii) Versova and iv) Mulund.

3. **BRIMSTOWAD (Brihan Mumbai Mahangarpalika Storm Water Drainage Project)** : For preparation of sttorm water drainage Master Plan and rehabilitation of Old S. W. Drains and sewers for which consultants are already appointed.

4.**Concreting of junctions and Roads** : Many arterial roads in the City and Suburbs develop serious potholes at and near some busy junction and disrupt traffic during monsoon. Hence, Municipal Commissioner decided to undertake the concreting of such portion on war footing. Details functioning of : i) Municipal Aphalt Plant of Worli and ii) Traffic and Co- ordination Department are attached.

Detailed activities of the maintenance Department of Road and S. W. Drains headed by Chief Enginner and by Zonal Ch. Engr. (Roads & SWD) is given below :

			Rs. in crores
I)	(A)	**EXPENDITURE :**	
	1.	Expenditure incurred on execution of works for Loan Works Budget (ward)	22,45,36,000.00
	2.	Expenditure incurred on execution of works for maintenance of (ward) properties etc. from Revenue Budget.	13,62,88,006.00
	3.	Expenditure on Establishment. (ward)	11,51,39,000.00
	4.	Expenditure on other head :	
		i) From Loan Works Budget. (Wards)	---
		ii) From Revenue Budget (Wards)	---
			47,59,63,000.00
	(B)	**REVENUE :**	
		Revenue earned by the Deptt. during year. (Wards)	**2,94,01,000.00**

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. P.M.G.P.	4	8
3. New Road including S. W. Drains.	4	13
4. Road widening	11	23
5. Any other works	31	41
6. Storm Water Brains	35	42
7. Nallas	5	9
8. Maintenance of Municipal Roads (Pot hole works)	12	20

MAINTENANCE OF MUNICIPAL ROADS :

1.	Roads in K. M.	1707.01
2.	No. of works carried out through P.W.C.	1241

MAINTENANCE OF MUNICIPAL ROADS

i) Roads and Footpaths and length of Road (in K.M.) :

Area	Cement Concrete	Block Tapped	Sett paved	Water Bound Macadam	Unmetal Motorable	Others	Total length
City	97.20	231.20	30.75	--	--	175.20	534.35
Subs:	152.10	844.70	10.00	74.10	8.26	80.50	1170.66
Total	**249.30**	**1075.90**	**40.75**	**74.10**	**9.26**	**255.70**	**1705.01**

ii) Improvement of Roads :

Area	Street Asphalt	Chip on Asphalt Roads	Coat Grouting	Semi-Concrete	Surface
City (Sq. M.)	87900	300	35700	4000	424
Subs (Sw. M.)	33760	750	107000	1900	19900

There were 46 Road Rollers. 5250 permits in City and 8157 in Suburbs were issued for excavation in roads and footpaths. The cost of reinstatement of disturbed surfaces was charged to respective permit holders and the trenches were repaired amounting to Rs. 20,88,120.80 in City and Rs. 2,30,59,242.19 in Suburbs and an amount of Rs. 68,570/- in lakhs in City and Rs. 3,68,239/- in Surburbs were recovered as fees for these purposes.

262 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 dumpting building materials. In addition 879 permits in City, 713 permits in Suburbs were issued for occupation of roads for erecting mandaps, placing chairs and benches etc. and Rs. 1,14,718.91 from City and Rs. 38,599/- from Suburbs were realised in this account.

MUNICIPAL CORPORATION OF GREATER BOMBAY
(SOLID WASTE MANAGEMENT DEPARTMENT)

Statement showing the information of the Head of the department of Solid Waste Management Department.

Sr. No.	Designation	Name of the Officer	Qualification.	Period of leave taken in the year 1989-90	Remarks
1)	Chief Engineer (S.W.M.)	Shri C. D. Kotnis	B. E. (Mech.)	On Leave for 31 days from 1.3.90 to 31.3.90 with benefit of suffix holiday 1.4.90 with L.T.A. R.D. on 2.4.90.	
2)	Dy. City Engineer (S. W. M.)	Shri P. U. Panjwani	B. E. (Mech.)	E. L. for 13 days from 29-1-90 to 10-2-90 with benefit of suffix holiday on 28-1-90 & 11.2.90 with L. T. A. for 1989-90. R. D. on 12-2-1990.	

ADMINISTRATION REPORT OF SOLID WASTE MANAGEMENT DEPARTMENT FOR THE YEAR 1989-90 (CITY, SUBURBS & EXT. SUBURBS).

The Department of Solid Waste Management comprises of Conservancy and Transport department and it works under the direction and control of the Chief Engineer, (Solild Waste Management). He is assisted in the work by Deputy City Engineer (S.W.M.), Head Supervisor (S.W.M.), Dy. Head Supervisors and by two Executive Engineers of Transport department. The Transport department provides vehicles for transportation of refuse and for all Municipal departments.

Solid Waste Management :

The Conservancy service consist of collection, removal and disposal of garbage and sweeping from public roads and streets, and maintenance of dumping grounds, The work of maintanance of Public Sanitary Convenienoes is alse undertaken by the department.

Collection of Refuse Debris etc :

The quantity of refuse and other waste material collected in street cleansing operation as well as from residential premises was approximately 7.93 lakhs tonnes in City and 5.61 lakhs tonnes in Subs. average per day being 217.79 and 1537.48 tonnes in City and Suburbs respectively.

Transportation of Refuse :

Transportation of refuse as collected above, was carried out by engaging Municipal and Contractor's lorries. Total vehicle tripes done for removal of refuse during the year are as under :

Sr. No.	Area	Municipal Vehicle trips	Vehicle trips of contract lorries.	Percentage	
				Municiapal vehicle	Contractors vehicle
1)	City	38,801	1,15,016	25.23	74.77
2)	Supurbs & Ext. Suburbs	27,151	73,091	27.08	72.92

DISPOSAL OF REFUSE :-

The final disposal of refuse was done by reclaiming low lying land at Chincholi, Gorai in the Western Suburbs and Mulund, Deonar in the Eastern Suburbs. Total disposal of waste at dumping ground was 15,17,957.55 tonnes.

PUBLIC & PRIVATE LATERINES AND URINALS :

Sulabh International has been entrusted with the work of construction and maintenance of P. S. Cs. at 34 sites during the year 1989-90.

PREVENTION OF NUISANCE :

1096 cases in the City and 1012 cases in Suburbs and Extened Suburbs were loged by Nuisance Detectors for offences such as urinating, defeating and throwing refuse on public roads under section 115 of the Bombay Police Act and Rs. 73,426 were recovered as fine respectively in City & Suburbs. During the year 518 cases in the City and 997 cases in Suburbs and Extended Suburbs were lodged under section 372(E) of the Bombay Municipal Corporation Act and Rs. 33,680/- and Rs. 58,115/- were levied as fine respectively in the City & Subs.

EXP. INCURRED ON CONSERVANCY SERVICES FOR THE YEAR 1989-90 :

The total expenditures for Div. - I, II & III during the year was Rs. 58,62,79,201.73. Out of which Rs. 54,55,79,185.16 was for clearance, transportation and disposal of garbage.

The cost of removal per tonne of garbage comes to Rs. 359.42 and per capita Rs. 71.11.

Chief Engineer,
Solid Waste Management.

The statistical data regarding Revenue and Expenditure for the year 1989-90 for City Wards is given below :

I - Revenue		Rs. 1,35,94,500.00
II - Expenditure		
1) Expenditure on Establishment :		
i) Expenditure on Supervisory staff.	Div-I	Rs. 3,27,06,258.30
ii) Expenditure on Scavengers	Div-I	Rs. 12,61,15,232.44
iii) Expenditure on Motor-Loaders	Div-I	Rs. 6,26,77,128.30
iv) Expenditure on Halalkhores	Div-I	Rs. 1,43,54,435.18
v) Expenditure on L. S. Sigarise	Div-I	--
vi) Expenditure on K. D. Rly. staff	Div-I	Rs. 94,639.94
vii) Expenditure on staff working in Slum.	Div-I	Rs. 2,02,27,769.51
	Total	Rs. 25,61,75,463.67
2) Expenditure from Revenue Budget.		
i) Revenue Expenditure on maintenance of properties etc.	Div-I	Rs. 60,30,860.00
ii) Expenditure on Transport (Hire & Municipal)	Div-I	Rs. 7,40,64,815.00
iii) Expenditure on removal of debris, silt & house-gully material	Div-I	Rs. 1,62,18,400.00
iv) Expenditure on other heads	Div-I	Rs. 26,88,946.00
Total expenditure from Rev. Budget -		Rs. 9,90,03,021.00
3) Expenditure from Loan Work Budget	Div-I	Rs. 62,09,787.00
Grand total of expenditure (1 + 2 + 3)	Div-I	Rs. 36,13,88,274.67

The statistical data regarding Revenue and expenditure for the year 1989-90 for Western Suburbs & Eastern Suburbs is given below :

	Div-II	Div-III	Total
I - Revenue	3819534.00	552180.00	4371414.00
II - Expenditure			
1) Expenditure on Establishment			
i) Expenditure on Supervisory staff.	14925555.10	6845073.00	21770628.10
II) Expenditure on Scavenge	52241507.33	30009563.00	82251070.33
iii) Expenditure on MotorLoaders	18640517.24	16797842.00	35438359.24
iv) Expenditure on Halalkhor	19224283.39	7121298.00	26345581.39
v) Expenditure on L. S. Bigaries	19729563.00	--	19729562.00
vi) Expenditure on Staff Working Slum	--	--	--
Total Expenditure on Estt.	124761425.06	60773776.00	185535201.06
2) Expenditure from Revenue Budget :			
i) Revenue Exp. on Maintenance of properties etc.	303936.00	217463.00	5221399.00
ii)Expenditure on Transport (hire & Mun.)	7803815.00	5138090.00	12971905.00
iii) Exp. on removal of debris silt, & housegully material	9585545.00	6158382.00	15763927.00
iv) Exp. on other heads	1018084.00	8944.00	1027028.00
Total Revenue Budget Exp.	18711380.00	11572879.00	30284259.00
3) Expenditure from Loan Works Budget :			
Totel Loan Work Budget	3265784.00	5805683.00	9071467.00
Grand Total (1 + 2 + 3)	146738589.00	7815238.00	224890927.06

ESTATES AND LAND MANAGEMENT DEPARTMENT.

Administration Report for the year 1989-90.

1)	Money Spent	Rs. 8,29,53,144.34
2)	Money earned	
	i) Rent from tenants and lessees	Rs. 3,30,26,674.19
	ii) Other	Rs. 1,77,38,399.35

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.

Two Plots in Municipal Scheme have been disposed off in the year 1990-1991 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.
1986 - 87	5	9276.03	15,59,494.90
1987 - 88	4	3089.56	11,61,571.80
1988 - 89	2	1727.90	3,78,840.00

Slum Clearance.

No New tenements were constructed 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 :-

NIL

(3) The recoveries of rents of the dormitory at Palton Road amounted to Rs. 74,322.85 during the year.

DISPOSAL OF LANDS.

(A) Long Leases.

Two Plots were leased out during the year. The total area of the land thus disposed off admeasures 1727.90 square meters valued at Rs. 3,78,849 The total No. of plots disposed off upto the end of 1989 - 1990 were 4447 with an area of 5505623.22 square meters and valued at Rs. 17,60,00,203.05 yielding an annual ground rent of Rs. 84,59,816.57. The ground rent is charged at 10 per cent. On the value of land as the rate for calculating ground rent was revised from 7% to 10% as per C. R. No. 2493 of 23.8.1976. The commutation is stopped from 1st July 1962.

The progress of the disposal of Trust lands on permanent basis is shown as under :-

Particulars.	No. of plots.	Area in sq.mts.	Capital Value Rs.	Annual Rent. Rs.
1986 - 87	-	-	-	
1987 - 88	4	7766.16	12,97,149.76	1,29,716.10
1988 - 89	3	3089.56	11,61,571.80	60,938.00

The amount received by way of commutation of ground rent and premium etc., during the year was Rs. **11,54,881.50**

As can be seen in the Statement 'J' vide Item No. 8 that percentage of **61.64** arrears could be attributed mostly to the usual tendancy 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. **59,29,339.17** to 'B' Budget and of Rs. **11,48,289.32** pertaining to 'A' Budget shown in statement 'D' can be classified as under :-

Ground Rent	Rs.
(1) With-hold by lessees to the extent of their security deposit.	1,46,749.00
(2) Of plots occupied by Government of Maharashtra and Defence Dept.	26,63,305.01
(3) Of properties vested in the Deputy Custodian of Evacued Property.	9.00
(4) Of plots against which disputes have been raised and cases are under consideration.	3,47,036.56
(5) Due from Western and Central Railways.	1,26,066.56
(6) Due from Municipal Department.	93,731.53

(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 excldng 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 Estate and Municipal Lands for the year under report was Rs. 20,71,098.98 and Rs. 46,61,681.93 and the recovery was Rs.8,39,007.85 and Rs. 27,19,639.32 respectively inclusive of arrears.

MANAGEMENT OF PROPERTY AND COLLECTION OF REVENUE.

A - Trust Section.

(a) Chawl Permanent :- The gross demand of tenement in the chawls for the year was Rs. 85,36,414.82 on 31st March 1990 as against Rs. 1,11,74,286.36.

The concessional rent includes the tents of rooms let out to the peons of the different departmnets 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 chawl during the year amount to Rs. 62,48,165.87 deducting there from the charges on account of outgoing amounting to Rs. 40,62,970.68 not less comes to Rs. 1,03,09,136.55.

The capital expenditure incurred on the chawls including the value of the land is Rs. 246 Lakh. 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 chawls constructed after 1950. This amounts to 14.20 per annum after adding the amount of net loss into the amount of interest and sinking fund charges as shown in Statement 'C' the A/C for the chawl shows a loss of about Rs.

1,48,69,546.48.

(b) Semi permanent sheds : The gross demand in respect of 7416 rooms in the Semi Permanent sheds including Labour Camps for the year was Rs. 28,31,634.62. The net demand after excluding the concessional rent and vacancies was Rs. 28,25,667.61 which was equivalent to 132.38 per cent of the total recoverable rent including arrears of Rs. 21,34,513.39 for the previous year.

The percentage of outgoing in respect of the chawls and semi-permanent sheds are shown in statement on the basis of annual rental of Rs. 1,74,20,452.23 for chawl and Rs. 48,74,475.18 for semi-permanent sheds, total outgoing being - per cent and - per cent respectively.

Amounts transferred to Rent Equalisation Fund and Amenity Fund were Rs. 1,78,178 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. 20,87,748.37 against the demand of Rs. 20,65,622.58 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 5692 tenements in the acquired and re-entered building was Rs. 26,96,044.44. After excluding the amount for concession in rent and vacancies the net demand for the year was Rs. 26,95,256.44.

The revenue collected amount to Rs. 27,19,639.32 which was equal to 140.04 per cent of the total recoverable amount including arrears of Rs. 19,42,042.61 for the previous year.

Summary of revenue :- The total collection of revenue from lease hold 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. 1,93,025.58 and the recovery was Rs. 71,283.64 which was equal to 36.93 per cent of the total recoverable amount.

During the year under review, the demand and recovery of taxes aggregated to Rs. 3,72,593.68 & Rs. 5937.97 respectively. The arrears due for collection at the close the year stood at Rs. 3,66,655.71.

B- Municipal Section.

Details of the total collection of revenue from Municipal properties under Budget 'A' are shown in statement 'D'.

Tenement contructed under Budget 'A' for Municipal General staff are shown in Statement 'H'.

for Sr. Ward Officer (Estates)

STATEMENT 'A'

Statement showing the total area of developed land.

Change in	As at the begining of 89-90 (sq. mts. in thousand).	As at the end of 89-90(sq. mts. in thousand).
DEVELOPED LAND.		
Area permantly 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 permantly leased area (Rupees in Thousands)	13711.45	13711.45

APPENDIX - 3-A.

Number of plots disposed of the different Ex-Trust EStates during 1989-90.

Particulars	Plot No.	Area in sq. mts. Rs.	Capital value in Rs.	Annua rent i
1. Connought Road Service passage.	7	92.90	1,33,590	13,35

STATEMENT B.

Statement of permissions granted in respect in respect of lease plots for 1989-90.

Description	No. of Proposals	Premium in Rs.	Ground rent in Rs.
Motor Garages	9	—	859.38
Additional floor	21	—	10,21,044.00
Change of user & Misc, Proposals such as encroachment canopies, temporary structures, Gallery Projections, loft, Mezzanine floors etc.	14	200.00	1,02,803.03
Transfer fees.	—	—	12,000.00

STATEMENT 'C'

Number of plots disposed of in the different Municipal Lands in the City during 1989-90.

Particulars of land.	Plot No.	Area, in sq. mts.	Capital value in Rs.	Ground rent p. a. in Rs.
Municipal				
Shivaji Nagar Govandi.	46	1635	2,45,250.00	244525.00

Particulars of land.	Plot No.	Area in sq. mts.	Capital value in Rs.	Ground rent p. a. in Rs.
Ex-Trust				
Connought Road. Service Passage.	7	92.90	1,33,590.00	13,359.00
Total				
Municipal & Ex. Trust	2	1727.90	3,78,840.00	37,884.00

APPENDIX NO. 3

Statement showing the disposal of Ex-Trust plots during 1989-90.

Particulars	No. of plots.	Area in sq. mts.	Capital value in Rs.	Annual rent in Rs.
Plot leased on rental basis.	—	—	—	—
Plots disposed of in 1988-89 earlier but surrendered to the Municipal Corporation.	—	—	—	—
Corresponding figures. for disposal of plots.	—	—	—	
1988-89	3	3,089.56	11,61,571.80	60,938.00
1987-88	4	7766.16	12,97,149.76	1,29,716.10
1986-87	—	—	—	—

'J' Comparative Statement of Demand, Collection etc. in respect of permanently leased plots.

Particulars	1987	1988	1989	1990
1. Number of Tenancies.	4438	4442	4445	4447
2. Balance of arrears in lakhs of Rs.	15076	7887	7096	5895
3. Demand for the year in Lakhs of Rs.	10211	10564	13213	12558
4. Total demand including arrears in lakhs of Rs.	25287	18452	20309	18453
5. Amount collected in lakhs of Rs.	18016	11941	14996	11376
6. Percentage of collection to the demand including arrears.	40.38	57.25	65.06	68.05
7. Percentage of collection to the demand for the year.	59.62	42.74	34.94	31.94
8. Percentage of arrears to amount for collection.	71.24	64.71	73.84	61.64

'F' Statement of percentage of outgoings in respect of chawls and S. P. Sheds.

Particulars	Permanent chawls		Permanent ground floors rooms and	
	1988-89	1989-90	1988-89	1989-90
Sanitary staff and Pumpmen.	32.78	34.28	81.05	104.60
Cost of Management & Establishment.	7.50	7.50	7.50	7.50
Municipal Rates and taxes.	15.32	16.67	39.65	25.50
Repairs and Maintenance including lighting, vacancies.	34.88	34.88	58.96	80.85
Total	**90.56**	**93.33**	**187.16**	**218.45**

BOMBAY FIRE BRIGADE

Sr. No.	Name of the Officer	Designation	Qualifications	Period	Remarks if any
1.	Shri D.J.Kulkarni	Cheif Fire Officer	1) B.A. M.I. Fire (U.K.) 2) Overseas comm. (Mortan In Marsh) 3) B.A. Inst (Lanc) 4) E.I. Fire (India)	1.4.1989 to 31.3.1990	

I. Salient Features :

Expenditure	102,98,908.00
Income	12,51,079.20
Fire Stations	21

II. Emergency calls (City & Sub.)

Fires	3,750
House Collapse	274
Other services	1910
Rescue Service	585
False Alarms	92
Total	**6,611**

Ambulance Calls

Accidents	636
Maternity	36
Free Fire Brigade cases	94
Free Poor cases	Nil
Hire	126
Total	**892**

III. Fire Prevention Work

Premises were inspected for rendering advice on protection and fire prevention measures.

The high-lights of the administrative events for the year under report are as under :-

1) Income and Expenditure :

The actual receipts by way of fire, tax and other receipts aggregated to an amount of Rs.12,51,079.20

The total expenditure including revenue expenditure and debit charges towards Capital Expenditure amounted to Rs. 102,98,908.00

2) Premises :

At present there are 21 fire stations in Greater Bombay.

3) Communications :

There were no major changes in the existing communication set-up.

4) Appliances and Equipment :

Supply order for the supply of following appliances were placed during the year and received.

a) VHF FM Transrecelvers wireless sets - 10 Nos.

b) Fabrication & supply of foam-cum-dry chemical powder tender units - 2 units

c) Fabrication & supply of fire engine - 9 nos.

d) Tata Model LPT 1210/42 bus chassis for fabrication of control post van - 1 no. received.

e) Compresses Air Breathing Apparatus Sets - 50 Nos. received.

f) Fabrication & supply of C.P.Van

g) Tata Model LPT 1210/42 bus Chassis for fabrication of B.A. Vans - 2 Nos.

h) Fabrication & supply of B.A. Vans - 2 Nos.

5. Emergency calls :

The Brigade responded and rendered services wherever necessary to a total of 6611 incidents, the break-up of which us given below :

Fires	3750
House Collapse Calls	274
Rescue Service Calls	585
Other Service Calls	1910
False Alarms Calls	92

6. Casualties :

The numbers of casalities in fires and other incidents is given below :

Type of Incident	Dead	Injured	Total
Fire	25	50	75
House Collapse	13	41	54
Rescue Service	19	358	377
Other service	6	67	73

7. Casualities among Brigade Personnel :

A total of 25 Brigade Personnel sustained injuries while rendering services at different emergencies and subsequently recovered.

8. Fire Loss

The property losses due to fires were estimated at Rs. 47,44,11,491/-

9. Water supplies and sources

The approximate quantity of water used for extinguishing fires was 79,42,670 ltrs. Out of which 72,35,515 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 12,175

The water sources available for fire fighting purposes are listed under Appendix-VI

10. Ambulance Services :

The ambulances services comprising of 12 ambulances, continued to attend hire calls, maternity calls etc. in addition to accidents, fire & other emergencies. The details of calls, responded by the ambulance service are given below :

Accident calls	636
Hire calls	126
Maternity calls	36
Free brigade staff calls	--
Free poor calls	94
Total	892

11. The details of number of fire prevention cases received, their classification etc. are furnished below :

Year	Cases received	Cases disposed off
1988-89	7298	6948
1989-90	7476	6855

11. Type of fire prevention cases received during the year 1989-90.

Cases received.	Cases disposed off.	Type of cases	Nos.
7476	6855	1) Reference from Licensed factory and health department of Corporation.	5279
		2) Places of public entertainment and building N. O. C.	643
		3) References from Commissioner of Police, Controller of Drugs	350
		4) Complaints	920
		5) High rise building N.O.C.	284
			7476

12. 1) Deputation of Chief Fire Officer :

A) Station Officer Shri G.B.Gonjari and Shri D.J. Gaitonde were deputed to N.F.S.C. Nagpur to attend Divisional Officers course.

B) Station Officer Shri V. R. Kuveskar and Shri K.B. Kamble were deputed to N.F.S.C. Nagpur to attend "Station Officer and Instructors Course".

13. Other Activities :

A) Annual Fire Drill Competitions :

Due to agitation of Subordinate Staff Annual Fire Drill Competitions activities could not be conducted during the year.

B) Annual Sports :

Sports competition was held during the year 1989-90. These prises awarded for each type of games the prizes distribution ceremony fixed on 28-2-90

However, due to some unavoidable circumstance same was postponed.

C) Observance of Fire Service Week :

Fire Prevention Week from 14th April, to 20th April 1990 followed by Fire Service Day i. e. 14th April 1990 were observed by Brigade in co-ordination with the other Fire services in Greater Bombay and with the active co-operation of All India Fire Equipment Manufacturing Association. Two Fire fighting

demonstrations were arranged in different localities in Greater Bombay. Lectures on Fire Prevention for various groups of people were delivered. Posters and pamplets were distributed freely and slides were exhibited on television. Discussions and talks were broadcast through All India Radio by creating awareness about the fire hazards and to promote knowledge of fire prevention among of the citizens of Greater Bombay.

The entire fire prevention and public education programme was well received not only by the press but also by the members of the public.

D) Republic Day and Maharashtra Day :

The Brigade had participated in the ceremonial parades organised on Republic Day and Maharashtra Day alongwith the Defence Forces, Police, Home Guards and Civil Defence Department.

14. Awards :

1) Fire Service Medal for Meritorious Services :

This year fire service medal for meritorious service was declared to Shri Tolaram Govindram Nankani, Divisional Officer, Shri Gopal Ladoo Morye, Driver Operator, and Ganpat Dhondu Kokate for Meritorious Services.

15) Fire Fighting training to outside candidates :

During the year training was imparted to the staff at M/s. Fertilisers & Chemicals Travancore Ltd.

16. Welfare Activities :

a) Scholarship to the children of the staff members were distributed from the interest amount of the "Grain Stores Fund" deposited in the Bank.

b) Balwadi (a Nursery School) was conducted at Welfare Centre at Fire Brigade Head Quarter at 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. Serious fire at Dalamal House :

Serious fire had broken out at Dalamal House when cyclone blowing at the speed of 70 miles per hour unlashed its fury. In the fire which engulfed 7th and part of 8th floor, number of persons were trapped because of smoke logging means of escape on upper floors. The brigade controlled and extinguished the fire within first four hours, limiting the damage to only seventh and part of 8th floor.

The rescue of trapped people above the five floor in unparallel incident in the histroy of the Brigade where the longest laddar (i.e. D.L.50) was used 1st time for rescue purpose under very odd circumstances.

18. Introduction of 8 hours shift duty system :

Shri K.M. Desai, Tribunal, gave his award recommending Introduction of 8 hours shift duty system in the Fire Brigade Department in the year 1986, which was ultimately gazzated in the year 1987. The staff members resorted to the agitation for early implementation of award and unilateraly proceesded on 8 hours shift duty is a single shift from 1-2-1990

Brigade activities of attending to emergencies of fires and other incident calls continued with similar effeciency by the officers together with recruit firemen and home guards.

APPENDIX - I

Statement showing the details of appliances & equipments during the year 1989-90.

Sr. No.	Type of appliance	Quantity
1.	**Motor Turn Table Ladders**	
	a) 30 mtrs. extension (T. T. L. 1, T. T. L. 4 & DL 30)	3 Nos.
	b) 37 mtrs. extension T. T. L. 3, DL 37)	3 Nos.
	c) 50 mtrs. extension (D. L. 50)	1 No.
2.	**Hydraulic Platform**	
	a) 30 mtrs. height	3 Nos.
	b) 16 mtrs. height 4 mtrs.	4 Nos.
3.	**Motor Pumps**	
	a) With wheeled escape or Angus 464 landders	27 Nos.
	b) With extension ladders	35 Nos.
4.	**Emergency Rescue Tenders**	
	a) Motor Emergency Tenders	1 No.
	b) Rescue Tenders (Model RW1)	2 Nos.
	c) Rescue Tenders (Model RW2)	1 No.
5.	**Breathing Apparatus Van**	1 No.
6.	**Control Post Van**	1 No.
7.	**Water Tankers**	
	a) Fixed chassis type (Rigid)	4+2=6 Nos.
	b) Tractor with trailer type	7 Nos.
	c) Tankers Auto Trailer only (spare)	5 Nos.
8.	**Pumps**	
	a) Trailer pumps (400 g. p. m.)	18 Nos.
	b) Portable light pump (120 g. p. m.)	10 Nos.
	c) Portable High pressure pump (400 g. p. m.)	14 Nos.
	d) High pressure pump on Tailer (Kirloskar Make)	2 Nos.
	e) Portable Fire Pump (1200 ltrs. minute capacity)	20 Nos.
9.	**Motor Ambulance**	12 Nos.
10.	**Breathing Equipment**	
	a) Compressed Air type Breathing Apparatus (open circuit)	210+50=260 Sets.
	b) Compressed Air Type Breathing Apparatus	20 Sets.
	c) Oxygen type Breathing Apparatus (close circuit)	25 Nos.
	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 Unit
12.	Power Cutters (Self propelled)	5 Nos.
13.	a) Rescue saw (Self propelled)	3 Nos.
	b) Rescue Saw (Electrically operated)	20 Nos.
14.	Portable Electric Generator	2 Nos.

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 suit	100 Nos.
19.	High pressure Hose (R.C. type) In stock	
	a) 2 3/4 dia (70 mm)	1800 Nos.
	b) 1 1/2" dia	Nil
	c) Delivery House (Nylon type) in stock 2 3/4" dia	405 mtrs.
20.	**Other vehicles**	
	a) Jeeps	11 Nos.
	b) Mini buses	3 Nos.
	c) Cars	4 Nos.
	d) Station Wagon	1 Nos.
	e) Staff van	1 Nos.
	f) Motor trucks	1 Nos.
	g) Three Wheeler Tempo	2 Nos.
	h) High pressure pump van (Tempo)	1 No.
21.	New brand LPT 1210E Tata Make Chassis	9 Nos.
22.	Fabricated Fire Engine	2 Nos.
23.	New Brand Cement Ashok Leyland Chassis also for fabricating water tankers	4 Nos.

BOMBAY FIRE BRIGADE

Brief details of Serious Fire in the City during the year 1989-90

Sr. No.	Date & Time	Place	Business	Extinuished by	Description of Damage	Estimated Loss
1	2	3	4	5.	6	7
1	19-4-89 11.30 hrs.	Ujjala Chawl Committee, Gala No. 2 & 3, Indira Qureshi Nagar Garib Nawaz Waffer, Dharavi, Bombay no. 17	Manufacturing of Assorted estables (Kela Waffer, banana Waffer).	Inmates and firemen by buckets of water.	(a) Contents: Few litres of kerosene oil, oil pressure tank, stove compressor, edible oil, mattresses, bed sheets, electric wiring etc. severely damaged by fire heat, smoke and water. (b) Premises: Some portion of A/c. /tiles and tiled flooring of mezzanine floor slightly damaged by fire, heat smoke and water. Lives Lost - 2 Injured - 3	Rs. 6,200/-
2.	22-4-89 10.19 hrs.	Room No.18, First floor, 105/J. Tara baug Sheth Motishah Lane, Mazgaon Bombay - 10	Private	By inmates with water buckets before arrival of the brigade and by firemen by cutting off current and with water buckets	(a) Contents: Wearing apparels of the woman and boy Household arrticles, kerosene oil etc. severely damaged by fire, heat, smoke and water. (b) Premises: Tiles of the open bathroom, electric wiring etc. severely damaged by fire, heat, smoke and water. Live Lost - 2	Rs. 1,200
3.	17-5-89 04.56 hrs.	Farook Compound Rehamat Compound, Dharavi-Mahim Phatak Road, Dharavi, Bombay - 400 017	–	Firemen by 10 engine lines of 16 motor pumps	Various kinds of chemicals, paint, warnish, oils of all kinds, timber shorages, plastic and other such combustible material, cotton waste, temporary structure, elected of timber, tarpoline, plastic etc. shops residential hutments small factories etc. severaly damaged by fire, heat, smoke and water	Rs. 48,04,000
4.	22-5-89 11.50 hrs.	Premier Auotomobiles, Pvt. Ltd., (Wadala Branch) Shaikh Mistry Darga Road, Wadala East, Bombay - 400 037.	Manufacturing of Automobiles parts.	Switching off eelctric current by company employees. Firmen with buckets of sands and by seven D.C.P. extinguishers.	Hydraulic system of furnance blower of the furnace electrical wiring of furnace, foundation of furnace etc., severaly damaged by fire, heat, smoke.	As per Insurance Surveyor's report.

1	2	3	4	5	6	7
5.	7-6-89 09.28 hrs.	Plot No.5, Sewree Premises Society, Unit No. 34, Sewree East, Sewree Bunder Road, Bombay - 400 015.	Garments	Firemen with one small line and cutting off current.	(a) Small portion of wall plaster, paints, windows, wooden doors, severally damaged by fire, heat, smoke and water. (b) A large quantity of cotton bed covers, towels, packing materials, sewing machines, one overlock machine, ironing and sealing machine, ceiling fans tube lights fixtures, wooden furnitures, electric wiring fan regulators severally damaged by fire, heat, smoke and water.	Rs. 82,000
6.	13-06-89 08.05 hrs.	Shah Arcamatics Gala No.10, Acme Industrial Estate, Sewree, Fort Road, (D' wing), Bombay - 400 013.	–	By firemen with 4 lines of 4 motor pumps and by cutting off current.	Difference kinds of aromatic chemicals, raw materials finished products, furniture, electric installasion, with motor, chemical instrument and machinery in gala no. D/10 and gunny bags containing dyes pigments ammonium sulphates tubes in gala No. D/2, on first floor of 4 floored Industrial building had severely damaged by fire, heat, smoke, and water. Injury - 1	Rs. 92,000/-
7.	8-7-89 04.24 hrs.	lal Bahaddur Shastri Munl. Vegetable Market ABldg., Lakhamasi Napu Road, Near Matunga Rly. Station (East), Matunga, Bombay - 19	–	Firemen with 6 lines of 8 motor pumps and cutting off electric current.	(a) Premises: Plasterinig of R.C.C. columns ceiling flooring tiles, wooden framed widnows, steel grills, doors, locks, rolling shutters, G.I. Sheet roof, brick walled and plastering of erected platform, elecric installation, electric wiring, storm water and drainage supply pipes and channels etc. severaly damaged by fire, heat smoke, and water. (b) Contents: Electric wiring, tube lights, bed sheets, pillow covers, towels, cloths, papers, ready made clothes large quantity of banana wagger dry foods, packing materials and other articles, dry masala stock cutterlary fan regulators, wooden racks, grills, large quantity of stored onion potato, coconut, gunny bags large quantity of various vegetables goods etc. severaly damaged by fire, heat, smoke and water.	Rs. 6,42,500/-

1	2	3	4	5	6	7
8.	15-7-89 05.28 hrs.	Prakash Cotton Mills, Ganpatrao Kadam Marg, Hanuman Galli, Perguson Road, Worli, Bombay - 400 013.	Manufacturing Textile goods	Firemen with 8 water jets of a 8 fire engines utilising water mill bhydrant appliance tank and fire engine.	(a) Contents: Machines, affected due to fire in lock No.3, carding machines, draw frames, simplex machines, open in machine, large number of plastic cans, cotton in silver forms and roll forms severaly damaged due to fire, heat, smoke and water. (b) Premises: Wooden roof portion, with truses, A.C. and G.I. sheets, windows, doors glass pans severaly damaged due to fire heat, smoke and water.	Rs. 56,00,000/-
9.	19-7-89 05.37 hrs.	Naigaum Spring Mill, M/s. Bombay Dyeing Mfg. & Textile Mill, G.D. Ambedkar Marg, Naigaum, Bombay.	Textile Mill	Firemen with 3 house lines and 1 first aid appliances and 2 sprinklers heads.	Contents: (a) 228 Nos. of cotton bales are severely damaged by fire, heat, smoke and water. (b) 469 Nos. of cotton bales and some quantity of stapal fibre and fillament yarns are slightly damaged by fire, heat, smoke and water.	Approximately Rs. 4,00,000/-
10.	28-7-89 20.14 hrs.	Victoria Dock Shed No.4, Bombay - 9	Shipping	One line of ship and two carbon dioxide extinguishers.	Small quantity of engine oils and portion of the engine slightly damaged by fire, heat, smoke and water. In engine room 2 persons sustained serious injury and 1 person got minor injury. Lives Lost : 2 Injury : 1	Rs. 5,000/-
11.	30-7-89	124, Aic Corporation, Everest Lubricators, G.D. Ambedkar Marg, Ambewadi, Kalachowky, Bombay - 33.	Warehousing.	Firemen with 7 lines of 8 motor pumps.	A large stocjk of various kinds of chemicals lubricant in polyuene bags drums electric installation, electric equipment and other material in ground floored structure shed and office record files, cupboard, metal boxes on first floors of two floored R.C.C. building and steel framed A.C. sheet roof of the entire structure severely damaged by fire, heat, smoke and water.	Rs. 73,58,500/-
12.	10-8-89 08.25 hrs.	Mehta Mahal, Mathew Road, Opp. Roxy Cinema, Mumbai -4	Office-cum Medical Service	Firremen with sever lines of seven pumps	Electric wiring installation records, medicine doors, window frames, paint work, Telephones, typewriters, wooden portion severly damaged by fire, heat, smoke and water. And oracks were developed to the R.C.C. Column Injured - 6.	Rs. 2,10,000/- (Approx.) As per insurance Surveyor's report.

1	2	3	4	5	6	7
13.	18-8-89 19.15 hrs.	306, Kadad Market, 4th floor, Room No. 402 & 403, Kalbadevi Road, Bombay - 2.	Dealer in Sarees and Dress Materials	Firemen with 2 lines of 4 motor pumps and by cutting off current	Contents: Accounts books, vouchers, cashbooks, other records, office furniture, false ceiling, carpet electric installation and fixtures, printed cloth electronic equipments, telephone, typewriters, computors with three printers and accessories, A/c. machines severally damaged by fire, heat, smoke and water. Premises: Paid work walls, cause due to heat, window glass damaged due to breakage.	Rs. 5,05,000/-
14.	25-8-89 19.45 hrs.	50, M.A. Sarang Marg, Dongri, Bombay - 9	Mfg. shoes and Chappals.	Firemen with 4 water jets of 7 motor pumps.	(a) Large stock of resin, foam, leather, rubber and packing materials, papers etc. severely damaged by fire, heat, smoke and water. (b) Few ltrs. of rubber solution, few meters of electric wiring, doors, windows, cabins severely damaged by fire, heat, smoke and water. Live zLost : 11 Injured : 3	Rs. 90,00,000/-
15.	17-9-89 03.07 hrs.	Jijamata Nagar, Dr. E. Moses Road, Block - J/14, Worli, Bombay - 18.	Private	Firemen with 1 small line	(a) L.P.G. Household article, wearing appreals, slightly damaged by fire, heat, smoke. (b) Due to explosion the complete structure, J/14, ground floor brick walled, timber frame including wooden loft completely collapsed thereby injuring a lady and her four children. Injured : 5 persons	Approximately Rs. 43,000/-
16.	23-9-89 1804 hrs.	Tulsiwadi hutment, Keshavrao Khade Cross Road, Opp. Race course Gate No.3, Bombay6 - 34.	Hutment	Firemen with 4 lines of 4 motor pumps.	Seven hutments which were build over the Sewerage chamber were blown off due to sudden explosion which occured on account gases which had accumulated in the Sewerage Fire also engulted the hutments. It was reported by the members of public that due to the above explosion and fire 10 person which were staying in the seven hutments sustained injuries. Three to four hutments aprooted (by explosion) damaged slightly, Three sewerage gutters chambers severly damaged. Injured : 10 Persons	Rs. 3,900

1	2	3	4	5	6	7
17.	23-8-89 18.24 hrs.	East and West Villa, Chatti chawl, No.16/17, Jhangir Daji Lane, Opp. Grant Road Rly Stn., Bombay - 7	Household	Public members with buckets of water before arrival of brigade. Firemen with two small lines of three motor pumps and cutting off current.	Contents: Household article, such as clothes, beds cushi ones utensils, food- grain, oil pressure stove, large stock of kerosene oil, electric wiring severelyu damaged by fire, heat, smoke and water. Premises: Portion of tiled roof, wooden framed doors of the room severely damaged by fire, heat, smoke and water. Lives lost 6 persons. Injured: 2 persons.	Rs. 30,000/-
18.	4-10-89 01.16 hrs.	Parvati Industrial Estate, Sun Mill Compound, Lower Parel, Bombay-13	Industrial	Firemen with four lines of 5 motor pumps.	Contents: Plant and printing machine viz. HORD off set machines, Accounts books, cutting machine, stock of printing paper, finished printing materials, wooden furniture, steel rocks etc. severaly damaged by fire, heat, smoke and water. Premises: Paid work of gala, wooden cabinet, loft, electric fittings and fixture, steel winds severely damaged due to fire, heat, smoke and water.	Rs. 41,40,000/-
19.	4-10-89 10.39 hrs.	Air building, Godown No. 4 & Shahida Marg, Corner, Kaiser baug, Dongri, Bombay - 9	Transport	Firemen with three lines of 4 motor pumps.	Contents: Large stock of plastic material i.e. buckets, mugs, bangles, plates, and various cutleries, few number of clothes, office furniture, electric installation, large stock of grass brooms and bundles of moribrushes damaged by fire, heat, smoke and water. Premises: Wooden loft, window frames, door, and pain work severaly damaged by fire heat, smoke and water. Injured: 1 Person	Rs. 95,000 approx.
20.	12.11.89 16.13 hrs.	Jeegeeboy Towers Dalal Street, Fort, Bombay.	Commercial	Firemen with 8 Water jets - 4 from riser of the building 4 from appliance.	Large stock account books, office records, furniture, telex machines, telephones, wooden and steel furnitures, wooden cabins, electric wiring, doors, window frames, window panes, transformer etc. electric cable and A.C. ducting, etc. severely damaged by fire, heat, smoke and water. Injured : 4 Fire Service Personnels.	Rs. 5,00,000/- approx.

1	2	3	4	5	6	7
21.	27.11.89 11.30 hrs.	Arya Soap Works, 16, Hansraj Lane, Byculla, Bombay - 4.	Warehouse	Firemen with 8 lines of 8 motor pumps.	Large stock of foam mattresses, cammery powder, grinding wheels, brass wares, coasamic articles, sewing machines, articles, sewing machines, P.V.C. powder, spices of various kinds, readymade garments, cloth bales, office tiles, furniture, records, electrical wiring/installation, air conditioners, telephones, computers were severaly damaged by fire, heat, smoke and water. Similarly entire G.I. sheet Roof and Wooden attic floor severaly damaged by fire, heat, smoke and water. Injured : 5 Fire Service personnels.	Rs. 26,50,000/- approx.
22.	13-12-89 15.08 hrs.	Opp. Best Chambers, 301, Dadasaheb Bhadkamkar Marg, Bombay - 7.	Commercial	Gum Powder (explosive) was destroyed by Firemen with due fire aid of M.P. 29.	Grass panes of two showcases of two nearby shops and glass panes of windows of school, buildings are severaly damaged by fire, heat, smoke and water. Lives Lost : 2 Injured : 2	Rs. 10,500/-
23.	17-12-89 06.07 hrs.	103, Madina Building, Musarfirkhan Path, Bombay - 1.	Eating House	Firemen with two motor pumps.	Large amount of L.P. gas burnt, about ten L.P. gas cylinders severaly damaged along with their tifting by fire, heat, smoke and waters and due to explosion to entire L.P. Gas cabin severly damaged, wooden doors, window furniture, electric installation, wooden furniture, large quantity of eatables on upper and ground floor of main building, wooden doors surrounding the structure severely damaged by fire, heat, smoke and water.	To be assessed by insurance surveyor.
24.	28-12-89 09.12 hrs.	Bussa Industrial Mfg. of Estate, Century Garment. Bazar X Lane, Worli, Bombay - 25.	Mfg. of Garment	Firemen with two jets of five motor pumps.	Contents: Large stock of clastic types, foam, plastic and rubber moulded articles, various types of rarn, tastenels, rexine cloth, plastic materials finished and in process goods, miscellaneous wooden articles, wewing machine, office furniture, office files severally damaged by fire, heat, smoke and water. Premises: Wooden loft, electrical fittings and fixture, plaster work of walls and ceilling, wooden doors and windows severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyors.

1	2	3	4	5	6	7
25.	7-1-90 07.43 hrs.	M/s. Poonam Enterprises, Amir Industrial Estate, Sunmill Compound, Sitaram Jadhav Marg, Bombay.	Manufacturing readymade garments.	Firemen with seven lines of eight fire engines.	Contents: (1) Larse stock of balls / cloth / fabrics / threads furniture shed and semi furnished garments. (2) About 30 Nos. of power sewing machines, electric fixtures such as electric wiring, fans, electical irons. (3) Wooden and steel furniture, office records, steel racks are severely damaged by fire, heat, smoke and water. Premises: Plaster work of load bearing wall of the gala, part of A.C. sheet roof, rolling shutter windows severally damaged by fire, heat, smoke and water.	Rs. 5,40,000/-
26.	9-1-90 20.55 hrs.	Walkar House, 42, Tribhuvan Road, off Lamington Road, Bombay - 4.	Shops and Office.	Firemen with 6 engine lines of 10 motor pumps.	Fire involved large stock of plastic cassettes, auto spare parts, still and wooden furnitures, electric instruments, wooden partition, wooden shelves, wooden lofts, electric installation, office records, doors, windows, paint work of the walls and ceiling etc.	As per Insurance Surveyor's report.
27.	14.1.90 23.12 hrs.	Sindhi seva Saminit Nagar, Karmakshetra Bldg. flat 141/142/143, Flank Road, R. Compound, Antop Hill, Koliwada, Bombay-37.	–	Firemen with 6 jets of 14 motor pumps.	Contents: Household articles, A.C. machines, carpets, curtons, ward robe, decorative, materials, big size sliding, doors wooden doors, chairs and other wooden sittings, arrangements, wall clocks, status (brass), cash, pistol bathtubes, sofasets, beds etc. severally damaged by fire, heat, smoke and water and portion of penthouse belonging slightly damaged by water. Premises False ceilings, electric wiring, electrical instalations, fibre glass of deloo roof with iron frame wall paintings, window frames, glasses etc. severally damaged by fire, heat, smoke and water and part of the penthouse etc. in an area of about 1500 sq. ft. severally damaged by fire, heat, smoke and water.	
28.	4-2-90 06.39 hrs.	Shop-9A- Ismail Building, 41, Pathakwadi, Lohar chawl, Bombay - 2.	Trading in P.V.C. wire & cables.	Firemen with 4 motor pumps.	Large quantity of P.V.C. cables and wire rolls of various weights and sizes, clecrtical wiring various office records, wooden loft, paint work of premises severally damaged by fire, heat smoke and water.	Rs. 2,00,000/-

1	2	3	4	5	6	7
29.	17-2-90 23.16 hrs.	Jarrabai Mulsi Rathod Marg, Old Wadi Bunder, Bombay.	Electric Supply and Transport.	By trainee fremen and homeguarge personnels with one small line (1-1/2") off M.P. & one big line of M.P. one with D.C.P.Tender.	(a) Two meters of electric cable, 2 Hos of transformer, 1 feeder pillor, few ltrs. of coc iut oil, wooden frames and other fittings. (b) Wall paint, ceiling was severely dama ed due to fire, heat, smoke and water.	Rs. 1,03,000/-
30.	4-3-90 10.06 hrs.	Woollen Mills Compound, Shakti Mill Lane, Dr. E. Moses Road, Mahalaxmi, Bombay - 11.	Types of labortories.	Firemen with 12 motor pumps	Different types of machineries large stock of cotton rags, hosiery, different types of Chemic ls, oils, ancillary goods for offset printing, o ce record, files, furnitures, electric fixtures, ele ric wiring, wooden loft, doors, windows, tir er frames of structure, tiled roof, brick v ls, different types of raw materials seve lly damaged by fire, heat, smoke and water. Injured : 2 fire service personnel.	As per Insurance surveryor"s report.
31.	10-3-90 16.45 hrs.	Sheikh Mistry Darga Road, Sai Maharashtra Nagar, Kokan Aagan, Raoli Camp, Bombay-37.	Residential	Inmates with water buckets before arrival of brigade and firemen by cutting off current.	House hold articles, old clothes, electric wi ıg, wooden material, wooden plants seve lly damaged by fire, heat, smoke and water. Lives lost : 1 Injured : 8	Rs. 2,000/-
32.	17-3-90 00.44 hrs.	Sheikh mistry Darga Road, Near Building No.206, K.G.S. Colony, Sector No. 6, Shop No.30/31, Bombay-37.	Shops.	Firemen with 3 jets of 4 motor pumps.	Contents: large quantity of grocery items s ch as rice, wheat, carels, various types of e. ole oil, various types of soap, detergents, sugar ce, Dalda, tooth paste, shaving cream, tea pow er, hair oil, Jam bottle face powder, chocolates, tc. official documents, electrical wiring, elec ial installations, stationery, some cash am nt, refregerator, etc. severraly damaged by fire, h at, smoke and water. Premises: A.C. sheet and G.I. sheet of wall nd roof, wooden frames, paint work of wall nd ceiling etc. severally damaged by fire h at, smoke and water.	Rs. 1,24,000/-

1	2	3	4	5	6	7
33.	24-7-89 22.52 hrs.	206, Jamanala Bajaj Marg, Dalamal House, Nariman Point, Bombay.	Commercial Offices.	Firemen with seven lines of ten pumps.	Contents : Office furniture, Office records and files, type-writers, zerox machine, telephone instruments, airconditioning ductings machines, refrigerators etc. severely damaged by fire, heat smoke and water. Premises: False celling, wooden cabin, door, windows, lofts, paint work and plastic work of the walls etc. severally damaged by fire, heat, smoke and water. Lives Lost: Nil Injured: Nil	Rs. 64,23,000/-.

APPENDIX II

Brief Details of Serious fires in Suburbs during the year 1989-90

Sr. No.	Date & Time	Place	Business	Extinguished by	Description of Damage	Estimated loss
1	2	3	4	5	6	7
1.	5-4-1989 21.55 hrs.	Gala No.C/210, Shreyas Industrial Estate, Western Express High Way, Goregaon (East), Bombay - 69	Weaving of cloths.	Firemen with 3 jets from 3 pumps.	A. 3 floored brick walled A.C. roofed R.C.C. structures area about 150 ft. X 80 ft. used as Industrial estate involved in fire. Looms, motors, furnitures, stock of yearn, electric wiring installation, A.C. machine severally damaged by fire heat, smoke and water.	To be assessed by Insurance Surveyor. (Above 1 lakh).
2.	13-4-89 02.57 hrs.	Sagarbhai Haji Cafoor Chawl, S.V. Road, Amboli Naka, Kevani Pada, Jogeshwari (West), Bombay - 102.	Jute sacks Godown	Firemen with 4 lines 3 fire engine.	A ground floored, brick walled tiles, pitched roofing structure area about 100 ft. X 25 ft. used as shops involved in fire. Large stock of jutes sacks spices grams steel cupboards officer records ceiling and table fans, machinery medicine, wiring, fitting timber framed roofing door windows severally damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
3.	1-5-89 08.02 hrs.	22-A, 23-A, Piramal Nagar, Industrial Estate, S.V. Road, Goregoan (West), Bombay-62	Manufacturing of ready made garments.	Firemen with 2 jets of 3 motor pumps.	A ground floored, brick walled roofed type area about 80 mtrs. used as industrial estate. Large stock of cloths, readymade garments, paper bags, wooden furniture, office records electric iron, packing material severally damaged by fire, heat, smoke and water.	Rs. 9,000/-
4.	24-5-89 04.41 hrs.	M/s. Bharat Containers Pvt. Ltd., L.B. Gadkari Marg, Anik Mahal, Bombay- 74.	Mfg. of containers.	Firemen with 1 engine line of 1 motor pump and workers by 2 foam fire extinguishers.	1 floored R.C.C. framed Brick walled flat used building used as factory. Area about 1818 sq. mtrs. Stock of bottles market pens tubes, power press machines annealineoven electric installation, packing material, plaster, paint work severally damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
5.	17-6-89 00.49 hrs.	Girish Dying, Manilal Durlabhai Compound, Lake Road, Bhandup (West), Bombay - 78.	Processing of cloth.	Firemen with 7 lines of 5 motor pumps.	Ground floored brick walled A.C. sheet roof structure area about 200' x 100' used for dying, bliching and printing invalved in fire. Large stock of Fabrics, various textiles, machines, office records, furniture severally damaged by fire, heat, smoke and water.	Rs. 2 lakhs.

1	2	3	4	5	6	7
6.	3-89 04.03 hrs.	Ceat tyre of India, Bhandup Village Road, Bhandup (West), Bombay-78.	Mfg. of tyres & tubes	Firemen and company workers with 3 lines of companmy hydrants.	A ground floored brick walled framed structure, A.C. sheet roofed, area about 150' x 100' used as textile department. Electric cable, motors, fabrics, ducting blower nylone oven and insulated material A.C. sheet roof severely damaged by fire, heat, smoke and water.	To be assessed by Insurance surveyor.
7.	3.89 02.31 hrs.	Reema Enterprises, Satyam Industrial Estate, Subhash Road, Jogeshwari (East), Bombay-60.	Mfg. of garments	Firemen with 3 small water lines of 4 motor pumps and by breaking the door locks.	A 3 floored R.C.C. building area about 100 Mtr. x 200 mtrs. used as industrial estate involved in fire. Stock of readymade garment, textile and other machine, sewing machine, cutting machine, over lock machine, and other allied machinery steel framed loft etc. severaly damaged by fire, heat, smoke and water.	Rs. 1,15,000/-
8.	3.89 16.12 hrs.	Dura Chemicals Corpn. Pvt. Ltd. 11-A, 11-B, Kurla Industrial Estate, Narayan Nagar, Nari Seva Sadan Road, Ghatkopar (West), Bombay -86.	Mfg. of Chemicals	Firemen with six lines of six motor pumps.	A ground floored, steel framed A.C. sheet roof structure of area about 150' x 100' used as industrial estate involved in fire. Large quantity of chemicals such as squeous solution of metal salts, different octovates, surfactants, minerals, terpentine, rosin, shellac, gasket, shellac compound, packing material, office records, documents , machinery, such as reaction rettles, filter pumps, storage stanks,brick walled steel frame, A.C Sheet roof shed severely damaged by fire, heat, smoke and water. Injured : 4 persons.	Rs. 1,85,000/-
9.	2 '-89 13.33 hrs.	nand Bhuvan Industial Estate, Mahakali Caves Road, Andheri (E), Bombay - 93	Mfg. Plastic goods.	Firemen with 3 small engines lines of 3 motor pumps.	2 floored brick walled R.C.C. structures, having A.C. sheet roof area about 80 mtrs x 40 mtr. used as Industrial Estate involved in fire. A rotograver, printing machine, slotting machine, cutting machine and sewing machine extruders, air-conditioning unit, large stock of finished goods, plastic bags, plastic powder, plastic rolls small quantity of printing ink and solvant, Electric installation, office cabin,office furniture, records, steel framed windows, shutters, paint work severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.

1	2	3	4	5	6	7
10.	6-8-89 03.47 hrs.	Gulabsha Industrial Estate, Behind Kurla Bus Depot, L.B.S. Marg, Kulra (W), Bombay - 70.	Godowns	Firemen with 8 motor pumps.	Ground floored, timber framed structure partly G.I.Sheet walled and brick walled A.C. Sheet roofing, shed godown, area about 100' x 80' used for various types of storages. large stock of soap powder bags, scrap material, gtlass bottles, wooden material, waste papers, rags,, metal scrap, tyres, garments, other combustible scrap material in various godown, patra shed godown, electric installation, doors, windows, left, A.C. Sheet roofing etc. severely damaged by fire, heat, smoke and water.	Rs. 2,62,000/-.
11.	6-8-89 12.20 hrs.	M/s. Sanjay & Co., Gala No.25, Vardhman Industrial Estate, Village Road, Bhandup (West), Bombay -78.	Metal cutting and treating.	Firemen with cutting of the current.	A ground floored, brick walled timber framed having G.I. sheet roof structure, area about 60' x 20' used for metal cutting and treating. Stock of cork roads discs, finished and semi-finished goods, crown corks, P.V.C. bags and compounds, corrugated boxes, gum, printed tin plates, stripes, fallis, machinery, ovens electonic counters with table, testing tools, hardness testers equipment, weighing scalebrick walled, G.I.sheets, shutters, office cabin, air-ducting, electric installation, wooden steel furniture, office receive partly damaged due to fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
12.	23-8-89 23.39 hrs.	Mahakali Caves Road, Appolo Industrial Estate, Opp. Nelco Co., Andheri (E), Bombay - 93.	Mfg. readymade garments.	Firemen with 3 small engine lines of 4 motor pumps.	Ground plus one upper floored, Brick walled, R.C.C. structure, A.C. Sheet rooted area about 100 mts. x by Insurance 40 mts. used as Industrial estate. Large stock readymade garments, large stock of carboards, packing materilas, office furniture and records, steel cupboards, sewing machine, overlock machine, wooden racks, electric irons, wiring and installation, wooden loft, A.C. sheet roof ostructure shutters, plaster work of walls sindow frames and glass severaly damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.

1	2	3	4	5	6	7
13.	29-8-89 22.15 hrs.	Khetwadi Industrial Estate, Maganlal Nathuram Road, Old Kurla (W), Bombay - 400 070.	Printing papers and Mfg. plastic bags.	Firemen with a engine lines of six motor pumps.	Two floored, R.C.C. building, A.C. Sheet roofed, area about 170 mts. x 30 mtrs. used as industrial estate involved in fire. Large stock of cardbaords, paper, ink, varnish, printing machinery, paint and plaster work, hosiery, readymade garments, cloth balls, garment manufacturing machinery, records, electric installation, Screen printing, equpments, old furniture, waste material, packing material, moulded luggage and its spare parts, A.C. Sheet roof severely damaged by fire, heat, smoke and water.	To assessed by Insurance Surveyor.
14.	4-9-89 03.49 hrs.	Gala No. 105, Vijay Industrial Estate, I.B. Patel Marg, Goregaon (E), Bombay-63	Mfg. readymade Garments.	Firemen with 3 small engine lines and by cutting of the current.	Ground plus one upper floored and partly three floored steel framed R.C.C. building in area about 60 mts. x 40 mts. used as industrial estate, involved in fire. Large stock readymade garments, bundles of garments, cloth, fabrics, polythene bags, buttons, threads, collars, machinery, irons (electric), office records, funiture, wooden loft, windows glass panes, office cabin, electrical installation, severaly damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
	29-9-89 02.41 hrs.	Shivaji Nagar, Vakola Bridge, P.K. Compound, Santacruz (E), Bombay - 55.	Cafe Product and other.	Firemen with 2 small engine lines of 5 motor pumps.	Ground floored, brick walled, steel framed, A.C. roof structure, area about 50 mts. x 12 mts. used as industrial estate involved fire. Large stock of finished goods, coffee soads, and powder roasting machine, mixture drill machine, office record, furniture, packing material, electric wiring and installation, wooden loft, doors and windows, A.C. sheet roof severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.

1	2	3	4	5	6	7
16.	29-989 15.14 hrs.	Vickers system International Ltd. Akurli Road, Kandivli (E), Bombay.	Mfg. of Hydrealic pump.	Firemen with 2 engine lines of 4 motor pumps.	Ground floored, R.C.C. structure building, area about 120' x 40' used as tool room and Jig Boaring department. Jig boaring machine, computerised numerical machine, control machine, cylinderical and surface grinding machine, quality control instruments and other machineries, its spare parts, ducting, steel cupboard, office racks records, furniture, cabin, electic wiring and installation, glass panes, window, paint work severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
17.	13-10-89 11.23 hrs.	Micron Platers, Steel Made Industrial Estate, Agnishaman Dal Marg, Marol, Bombay-59	Elector plating.	Firemen with 2 engine lines of 2 motor pumps.	A three floored R.C.C. building about 60 mtrs. x 20 mts. used as industrial estate involved in fire. Some quantity of sodium bromide, silver nitrate, sodium nitrate, potacium permangnate, wooden parts, overn centriguge motor, office records, electric wiring, window panes, paint work severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
18.	13-11-89 05.19 hrs.	M/s. Yuva Tex, Synthex, Sanjeev, 5-B, Gala No.161, M.V. Road, Mittal Ind. Estate, Saki Naka, Andheri, Bombay - 59.	Dealing in cloth and packing material.	Firemen with 3 engine lines of 3 motor pumps.	Three floored, R.C.C. building, 60' x 35' used as Industrial estate involved in fire. Large quantity of suiting, shirting, packing material, gunny bags, papers, computers, electronic typewriters, furniture, office records, electric installation, A.C. machine, severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveryor.
19.	4-11-89 22.00 hrs.	Mahakali Caves Road, Shantinagar, Near Onida Co., Andheri (E), Bombay- 93.	Electirc welding, scrap material, motor winding.	Firemen with 1 small engine line of one motor pump and cutting at current.	Ground floored brick walled timber framed, A.C. roof structure, area about 45 m x 25 m used as shops and hotels. Electric welding machine, oxy-actylene cylinder scrap material, hardwear, bear bottles, brick walls, A.c. roof sheet severely damaged by fire, heat, smoke and water. Lives Lost: 1 injured : 12	To be assessed by Insurance Surveyor.

1	2	3	4	5	6	7
20.	8-11-89 01.20 hrs.	M/s. Amazah Chemicals, Saref Kasar Ind. Estate, A/3, first floor S.V. Road, Jogeshwari (W), Bombay-102.	Mfg. cosmetics.	Firemen with 3 engine lines of 4 motor pumps.	A ground and upper floored R.C. structure of an area about 50 x 30 sq. mts. used as an industrial estate and commercial bank. Electric wiring, cables, installation fittings, wooden loft, plaster work, paint work, some stock of perfume compounds, stock of glass bottles, stock of printed cartoon, packing materials, colour and colour pigments,plastic bottles caps, finished products in perfumes, cosmetics and kumkum, steel wooden furniture racks, office records, files, stationery, machinery like strirrer, mixtures, cooled milk, trip roll mill, enoubaters, weighing scale, filling machine, oven etc. severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveryor.
21.	15-11-89 00.07 hrs.	Sai Nagar, Near Tulaskar Wadi, Opp, Municipal Colony, M.G. Road, No.1, Kandivli (w), Bombay-67.	Private	Firemen with 3 lines of 5 motor pumps.	Ground floored partly bamboo partly timber framed with partly brick walled partly hessain cloth partly P.V.C. sheet, partly G.I. Sheet, partly bamboo matting walls and roofs of the hutments in area about 150 x 200 sq. mts. used as dwelling involved in fire. Household articles and huts were severely damaged by fire, heat, smoke and water. Injured : 7	To be asses by Insurance Surveyor.
22.	16-11-89 13.15 hrs.	Dattani Shopping Centre, Shop No.78, Ground floor, Vasanji Lalji Road, Kandivli (W), Bombay-67.	Shop	Firemen with 2 small engines lines of 2 motor pumps.	Ground plus three upper filored R.C.C. structure building, area about 50 x 15 sq. mts. ground floors used as 'Shops' and upper as dwelings.Stock of leather mateirals P.V.C. Canvases shoes, packing material, electric wiring severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
23.	17-89 10.14 hrs.	Local train up No.A, 16, Ambernath to V.T. Motor Coach no.70213 at Ghatkopar Railway Line No.4, Ghatkopar (W), Bombay-86.	Railway	Firemen with five motor pumps	Railway compartment of Motor Coach No.70213 of up local train No.A 16 involved in fire Coach furnishing, ceiling, electrical installation, articles of passangers, goods metal body of motor coach severely damaged by fire, heat, smoke and water. Lives lost: 1 Injured : 159	To be assessed by Insurance Surveyor.

1	2	3	4	5.	6	7
24.	26.11.89 0.350 hrs.	Mahakali Caves Road, Madhuban Ind. Estate, Chakala, Andheri (E), Bombay- -93	Electro oPlating and Tool making.	firemen with 1 small engine lines of ' 3 motor pumps.	A partly two floored and partly one floored R.C.C. structure having A.C. sheets roofed on area about 120 mtrs. x 70 mts. used as iindustrial estate only involved in fire. Electrical wiring, installations, wooden loft, A.C. roof structrure, window frame, shutters, paint work, plaster work, office file, records, typewriter, tables, chairs, office partions, A.C. Machine, cupboards, electroplating tanks refregerators, suphonic salts, carbonate bags, telephone, titanium heators, electric discharge machine severely damaged by fire, heat smoke and water.	To be assessed by Insurance Surveyor.
25.	1-12-89. 15.15 hrs.	Giri Super Print, C, 205, Bonaza Industrial Estate, Ashok Chakravarti Road, Kandivli (E), BOmbay - 101.	Printing plastic materials.	Firemen with one motor pump.	A three floored R.C. building, area about 25 mts. x 15 mtrs. used as indutrial estate, large quantity of printed and unprinted plastic consumers goods, pad printing machine, compressor, lamination machine, round printing machine printing papers and ink, thinner, lectric installations, office records, lamination rollers, electric wiring, paint work, severly damaged by fire, heat, smoke and water.	
26.	25-12-89 04.17 hrs.	586, Lokhandwala Chawl, Maharaja Agarsen Marg, Station Road, Kurla (W), Bombay-70.	Readymade cloth centre.	Firemen, with 2 small engine lines and B.S.E.S. by cutting of the current.	A three floored building, brick walled, timber framed, tiled roof of area about 70' x 40 sq. ft. used as commercial shops and dwellings. A large stock of various cloth, readymade cloth of different types, plastic mats, umberallas, furniture, lectric wiring and installation, paint work severaly damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveryor.
27.	25-1289 13.24 hrs.	Siddhapura Industrial Estate, L.B.S, Marg, Behind Geophery Co., Ghatkopar (W), Bombay-86.	Mfg. 'prench polish and plastic goods.	Firemen with 4 line and 1 foam line of 8 more pumps.	A ground floor brickwall, A.C. sheet roof structure about 150 x 15 ft. used as Industrial estate. Stock of french polish, resin, whiting powder, plastic chappals, A.C. Sheet, wooden loft damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.

1	2	3	4	5	6	7
28.	26-1289 04.24 hrs.	Mahakali Caves Road, Damji Shamji Industrial Complex, Andheri, Bombay-93	Readymade garment, printing press, gift articles.	Firemen with 4 small engine lines of 4 motor pumps.	A ground floored plus one upper dored brick walled, R.C.C. structure on area about 80 mts. x 40 mts. used as industrial complex. Stock of cloth readymade garments, sewing machine, tables, electric wiring and installation, wooden furniture, packing material, plastic goods, buffing machine, prese machine, A.C. sheet roof, wooden loft windows, doors, rolling shutters, paint and plaster work severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
29.	29-12-89 06.44 hrs.	Unit No.207, Sona Garment, Premson Industrial estate, caves Road, Jogeshwari(E),Bombay - 60.	Mfg. readymade garments.	Firemen with six small engine lines of 5 motor pumps	A four floored brick walled, steel framed, R.C.C. building in area about 80 x 40 sq. mts. used as Industrial estate. Large stock of readymade garment, sewing and allied machine, electric installation, furniture files, wooden lfot, doors, windows, plaster severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
30.	3-2-90 23.19 hrs.	Dev Ashish Premises Co-operative Society Ltd. gala no. 23, 2nd floor, Bhorucha Road, Dahisar (East), Bombay-68	Diamond cutting and polishing of car and auto rikshow seats.	Firemen with three engines of 5 motor pumps.	A ground plus two upper floored upper structure building with A.C. sheet roof area of about 150 x 75' used as commercial purpose. Stock of rubber sheets, rexin, rolls, cloth, coir, welding machine, sewing machine, motors, cupborads, furniture, wooden planks, spare parts, A.C. sheet roof, electrical installation severely damaged by fire heat, smoke and water.	To be assessed by Insurance Surveyor.
31.	9-2-90 16.45 hrs.	Standard building, Plot No.71, Marol Co-op. Industrial Estate, Andheri Kurla Road, Andheri (E), Bombay-59.	Mfg. readymade garments.	Firemen trainees and Home guards with 10 lines of 10 motor pumps.	A ground and two upper floored brick walled, R.C.C. framed structure of about 150 x 100 ft. in area used as readynmade garments. Large stock of fabricks, cloth bales, cloth finished and semifinished readymade garments, plastic papers packing material etc. Wiring installation plastic bags, furniture fixture etc. severely damaged by fire, heat, smoke and water. Live lost : 1 Injured : 8	To be assessed by Insurance Surveyor.
32.	10-2-90 22.50 hrs.	Kamla Bhavan, Sharma Ind. Estate, Walbhat Road, Goregaon (E), Bombay - 63.	Mfg. readymade garments.	Trainee Firemen and Home gaurds with 14 water jets of 10 motor pumps and 1 water jet from simon snorkel.	A three floored R.C.C. building admeasuring about 50 mts. x 50 mts. used as Industrial estate. Large stock of synthetic yarn, finished and semi-finished goods, power looms, other machinery spare parts, wooden furniture, office records files etc. severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.

APPENDIX III

Brief Details of serious House Collapse in the City during the year 1989-90

Sr. No.	Date & Time	Place	Death	Injury	Description
1.	20.5.89 23.02 hrs.	Godwon No.17, Old Hanuman 1st Cross Lane, Kalbadevi, Bombay-2.	2	2	First arriving officer observed that ground floored, brick walled, timber framed G.I.Sheet roofed structure having wooden loft constructed over the entire floor area stacked with cloth bales, collapsed and as a result, two persons were reported to be trapped below the loft and cloth bales. Other two persons sustained minor injuries. Rescue operation started immediately by removing cloth bales and cutting a portion of left.
2.	11.6.89 21.39 hrs.	kapur Mansion, 43/47 Patakar Marg, BOmbay-7	3	4	On arrival it was noticed that, a parapet wall of three floored bldg. was collapsed on the road. Thereby balconies of first and 2nd floors were collapsed. Thereby two private motor cars beaing Nos. BLM 4184(Maruti) and MMG-3642(Fiat) were severely damaged and one motor scooter bearing No. MME - 7159 was slightly damaged and sever persons were injured.
3.	13.11.89 1906 hrs.	Gajanan Darshan, 30 C.P. Tank Road, Bombay-4	-	4	First arriving officer observed that entire roof of a ground floored brick walled steel frame structure collapsed and 4 persons engaged in repairing the building, sustained injuries. He immediately ordered to render first aid to casualties and removed them to hospital in brigade abmbulance.
5.	7.6.89 0947 hrs.	Deepali Shoes, Shop No.5/24, Esmail Ibrahim Bldg., No. 35/37, N.M. Joshi Marg, Opp.Deepak Cinema.	-	5	First arriving officer learnt from the members of public that five persons who were standing on whether shed and witnessing a quarrel on the road had sustained injuries as the whether shed collapsed. All the injured persons removed to K.E.M Hospital before arrival of the brigade. The officer in charge immediately cordoned off the affected area.
6.	28.6.89 1614 hrs.	15/17, Akbar Chambers, 3rd floor, Room NO.46, Ladwadi, Old Hanuman Lane, Kalbadevi.	1	-	First arriving officer observed that a wooden loft on third floor of a five floored building collapsed inside the building and resultes in trapping one woman. He immediately ordered his crew members to extricate the trapped woman.
7.	4.1.90 0610 hrs.	98, Usmania Taka Masjid, Dr. B.A. Road, Parel, Bombay-12.	–	5	The first arriving officer observed that south side part of a terrace of a ground floored structure which was used as Masjid, gave way thereby damaging front portion of shop Nos. 4,5,6 & 7 and injring five persons. The injured persons were removed to K.E.M. Hospital in private vehicle before arrival of the brigade.
8.	15.1.90 1853 hrs.	19/21, Ovalwadi (Matka Galli) X vithalwadi Street, Junction, Kalbadevi, Bombay.	1	1	The first arriving officer noticed that front portion constiting of two rooms on every floor of a five floored building had collapsed. Thereby one persons was under debris, other sustained minor injuries and number of tenants were stranded in the building due to blockage of entrance of building by debris. The officer immediately started.

Brief details of servious 'Rescue Service' call in surburbs during the eyar 1989-90

Sr. No.	Date & Time	Place	Death	Injuri	Description
1.	5.4.89 1649 hrs.	Ramkrishna Chemburkar Marg, Eastern Express Highway,Amar Mahal Junction, Chembur.	3	3	It was noticed that a motor trailer bearing reg. No. MMS 3339 loaded with containers went off the road dashed against the authorakshaw and toppled over a private motor car and scooter bearing No. MFA 5705 and MFB 6766 respectively. Thereby trapping five persons under the containers. Two persons were rescued by members of public and removed to Rajawadi Hospital in private vehicle before arrival of brigade.
2.	27.6.89 0414 hrs.	Rahul Bridge, Sion, Trombay Road, Chunabhatti	—	16	It was noticed that tourist bus regn. No. DEP 4971 over turned on east side when passing over the bridge which has no railing. It was also noticed that 50 tourist were travelling in the bus out of which 16 were injured. All injured were removed to hospital before arrival of Brigade.
3	27-6-89 2335 hrs.	Mumbai Panvel Road, Mankhurd, Opp. Bharat Nagar, Trombay, Bombay - 88.	1	3	It was notice from the police and members of public that private motor lorry bearing No. MTT 3785 while proceeding from Panvel to Bombay on Bombay Panvel Road has knocked down two pedestrain and had toppled down in the adjoining deep nallah as a result the driver of the lorry was trapped underneath the lorry and the cleaner of the lorry sustained injury. Out of four injured oned died.
4	23-7-89 0159 hrs.	Opp. Patel Aluminium Co., Pathanwadi, Eastern Express, Highway, Malad (w)	1	3	It was noticed that truck bearing regn. No. MST 3961 had overturned at the road side thereby trapping four persons, two persons were trapped under the truck and other two persons in the drivers cabin. All of them resuced and removed to Bhagwati Hospital.
5.	24.7.89 1019 hrs.	Kurar Village, Western Express Highway road, Malad East, Bombay.	2	250	It was noticed that five hundred hutments were submerged in the water and number of people and animals were stranded/trapped in the marooned butments. It was also learnt that some persons and number of animals were washed away in current of heavy water rain. About 250 persons and number of animals were resuced by firemen and Naval Personnel.Two ded bodies were traced in the flood water.
6.	24-7-89 0319 hrs.	Waman Tukaram Patil Marg, Behind Dukes Soda Factory, Sunder Nagar Hutment, Deonar, Bombay - 88.	1	7	It was noticed that a compound wall 30 x 8 ft. had collapsed on four adjoining hts. Therby injuring eight persons. Six persons were removed by strangers before arrival of Brigade. Two children were resued by firemen. Out of these 8 injred persons, one died.

1	2	3	4	5	6
7	13-8-89 1146 hrs.	Bismilla Maitaballi Chawl, Room No. 87, Kasai Wada, Kurla (E).	1	2	It was noticed that big boulder had slid from a hillock into a ground floored residential sturcture. He was informed by mebers of public that two children who were underneath the debris were already rescued before arrival of Brigade. he was also informed that a lady was still trapped under the debris and boulder, rescured by firemen, removed to Hospital where declared. dead.
8	1-10-89 0645 hrs.	Aliyavar Jung Marg, Near Larson & Toubro Dispensary, Andheri (E), Bombay.	2	15	It was noticed that a loaded L.P. gas cylinders lorry bearing reg. No. PMS 699 dashed against the staff bus bearing regt. No. MRT 8614 as a result mini bus turned over and rested on left side. Two persons were trapped underneath the bus and 15 persons had sustained injuries. All the injured persons were removed to Cooper Hospital in private Vehicle before arrival of Brigade.
9	18-11-89 0126 hrs.	Opp. Mahindra and Mahindra Co., Wester Express Highway, Kandivli(E), Bombay-101.	—	10	It was noticed that private loaded truck bearing regn. No. MMU 4793 TATA 1210D while proceeding from north to south dashed against an autorikshaw bearing regn. No. MCJ 4949 BAJAJ and overturned. As a result 10 persons who were in truck got trapped underneath the truck.All the 10 persons were rescued by public members and removed to Bhagwati Hospital Borivli in a private vehicle before arrival of brigade.
10	9-12-89 0721 hrs.	Bombay Panvel Road, Near Vashi Brick Bridge, Vashi, Bombay-64.	1	2	An oil tankers bearing reg. No. MMU 3612 while proceeding from Panvel to Bombay dashed on electric lamp post and toppled down on left side of the road with a result 1 person was trapped under the oil tanker and two persons were injured.
11.	16-12-89 1454 hrs.	Baingan Wadi, Plot No.34, Deonar, Bombay-43.	1	2	It was noticed by members of public that 3 workers of Municipal Contractors had follown in the seftic tank of W.C. while removing the blockage of the drainage. All three workers were rescued from saftic tank by members of public before arrival of brigade.
12.	27-1-89 1246 hrs.	Jolly Board Ltd., Kanjur Marg, Village Road, Bhandup, Bombay-78	—	5	It was informed by factory workers that a worker was cleaning the pump defibrillactor chest which was housed in defibrillactor section on ground floor of a five floored factory building was overcame by toxic/asphyiating gas and became unconcious and four other workers rushed for help to rescue the unconcious persons and became unconcious. However, all the five persons rescued and removed to various hospitals before arrival of brigade.
13.	14-3-90 0000 hrs.	Meena Sadan Compound, Near Chembur Rly Stn., N.C. Acharya Marg, Chmbur, Bombay.	—	9	It was seen that a private compound wall (100 ft. x 6 ft.) had collapsed and falledn on 7 huts resulting in trapping 9 persons under the debris. The 9 persons which were trapped under the debris were rescued by members of public and removed to Rajawadi Hospital before arrival of Brigade. Efforts were made to find out any body trapped under the debris but no one found.

1	2	3	4	5	6
1.	23.4.89 1436 hrs.	Jai Bharat Oil Mills, Pandurang Budhkar Marg, Worli, Bombay-25.	2	–	First arriving officer observed that the repairing of chimney attahced to oil fired boiler was in pregress while unloading the upper portion of the chimney, same is broken at the centre and had collapsed alongwith the bambco seffolding on the roof of the structure and on the around as a result two workers of the contractor who were working at the top came down alongwith the same. One died on the spot and another worker sustained severe inured all over the body, was romoved to K.E.M. Hospital in pvt. tax before arrival of the brigade. The dead body was handed over to police.
2.	25.4.89 0119 hrs.	Motor Cycle No. MAT 791, Near Five Garden, Signal, Dr. Babasaheb Ambedkar Road, Dadar, Bombay-14.	2	–	First arriving officer observed that an unknown oil tanker severly dashed against a motor cycle bearing no. MAT 791, thereby injuring two motor cycle riders seriously. One died on the spot and another person was removed to K.E.M. Hospital in mobile wireless van where he was declared dead before admission. The oil spillage was found on the road.
3.	11.6.89 18.24 hrs.	Senapati Bapat Marg, Municipal Employee Colony, Krantising Nana Patil Mandal, Dadar, Opp. Plaza Cinema, Bombay-27.	–	3	First arriving officer observed that a bid pipal tree had uprooted and fallen on a ground floored three residential sheds. As a result, three persons from those sheds sustained minor injuries. He immediately engaged his crew members to chop the tree. It was also learnt from members of public that three persons sustained injuries and they have been removed to K.E.M. Hospital in pvt. vehicle before arrival of brigade.
4.	17.6.89 0315 hrs.	Dr. A.B. Marg, Opp. K.E.M Hospital, Near Parel House bldg., Parel, Bombay-12.	–	3	First arriving officer observed that a B.E.S.T single decker bus bearing Rgn. No. MRL 6158 speeding from north to south along the road dashed against the corner of a four floored R.C.C. Building thereby injring three staff members of B.E.S.T. who were in the bus. The injured persons were removed to K.E.M. Hospital before arrival of brigade in pvt. vehicle where they were treated and aloowed to go home.
6.	31.8.89 1416 hrs.	Plot No.20, Church Wadi, S.K. Bole Marg, Dadar, Bombay.	–	4	First arriving officer observed that a tree of Bangara in Municipal Compound uprooted and fallen in an adjoining around floored A.C. sheet roof shed with the result foru inmates of the shed sustained minor injureis. Calculates were rendered first aid and removed to hospital in Brigade ambulance.
7.	23.11.89 2051 hrs.	Central Railway Yard, Near Curry Road, Bidge (W), General Stores of Central Rly. Parel, Bombay-12.	–	F.S.3. other 6	The first arriving officer observed that a leaking chlorine gas cylinder of 6.3. cubic tect capacity has kept in water pond. The leaking out chlorine gas was dispating in the atmosphere and affecting respiratory systems of occupants residing in the vicinity. In order to reduce the severity of the gas to some extent, the cylinder was put under the water in the tank by the officer and firemen. A line of water spray was also prepared to cover the point of emmission, at the same time tenants were removed to safe distance.

1	2	3	4	5	6
8.	14.2.90 22.22 hrs.	Shahid Bhagasting Road, Opp. old custom house, Rajgir Chambers, Fort, Bombay-23.	1	2	First arriving officer observed that driver of Indian navy Lorry Bearing No. T-67-D 66154 P C R - 2797 speeding along north to south Shahid Bhagastingh Road, lost control and dashee against electric lamp post and a tree on footpath side resulted in uprooted tree which subsequently fallen down and caused injuries to three persons (including one driver of the lorry and to padestrians). They were removed to St. George Hospital in pvt. Ambulance (Shiv Sena).
9.	20.02.90 0516	Dr. B.A. Road & Lady Jahangir Road, Junction, Matunga (E), Bombay.	–	4	First arriving officer was reported by police that a private taxi bearing No. MRO 4023 proceeding alongwith Babasaheb Road, dashed against electric lamp post with the result four passengers travelling in same taxi, sustained injuries due to sudden hit.Four persons were removed to Sion Hospital in police wireless before arrival of brigade. Battery terminal of private taxi was disconnected as a precautionary measure.
10.	22.2.90 0940 hrs.	Chindhiwala Colony, Malik Chindi Association, Rafi Ahmad Kidwai Road, Wadala, Bombay-24.	–	8	A private bus bearing No. MRN/11/C (temporary Regn. No.) flying on read from south to north had cashed against the shop (along the site of road/footpath) with the result eight persons 9said to be pedestrains) sustained injuries and even of the injured were already removed to Sion Hospital before arrival of brigade. One injured was removed to Sion hospital in brigade ambulance.
11.	31.3.90 0124 hrs.	Netaji Subhash Marg, Opp. Kevi Mahal, Marine Drive, Bombay-20.	–	4	First arriving officer observed a pvt. car bearing no. MHJ 1520 dashed against B.E.S.T. Lamp post No. DMR 31 & thereafter turned over, as a result, 4 persons sustained injuries. They were removed to G.T. Hosptial by members of public before arrival of brigade. The spillage of engine oil on road was covered with dry sand.

APPENDIX IV

b) Brief details of Serious Rescue Service calls in city in the period April, 1989 to March, 1990.

Sr. No.	Date & Time	Place	Death	Injured	Description
1	2	3	4	5	6
1.	11.4.89 1114 hrs.	L.B.S. Marg, Near Maharashtra Kutir, Dharavi, Bombay-17.	–	10	First arriving officer that two B.E.S.T. single decker Bus No. MMK 6807 and MRL 8593 dashed each other causing injuries to 9 persons and trapping B.E.S.T. bus driver in between steering wheel and driver's seat. He immediately deployed his crew memebrs to rescue the trapped driver of the B.E.S.T. bus and sent other injured persons to Sion Hospital after rendering first aid in brigade ambulance and private vehicle.
2.	27-4-89 05.00 hrs.	Temp No. MEK 3382 and Lorry No. MKT 8309, Near Supsribaug, Dr. B.A. Road, Parel, Bombay-12.	1	1	First arriving officer observed that a Motor temp bearing No. MMK 5332 while speeding from North to South on Dr. B.A. Road, Suparibaug, severely dashed against stationery motor lorry (which was parked along road side) bearing No. MHT 8309 thereby injuring two persons out of which one was trapped in between the seat and dash board of the motor tempo and another was removed to K.E.M. Hospital in pvt. taxi before arrival of brigade. The trapped person rescued by firemen by means of crow bars, ropes and body was handed over to police.
3.	28-5-89 16.30 hrs.	Haris Chandra Manik Patil lane, Opp. Sandip Apartment, Shivaji Park, Mumbai.	–	6	First arriving officer observed that, an unloaded motor tanker being No. MMF 591 and a private taxi fiat making bearing No. MRO 7570 with passengers dashed against each other and subsequently dashed against electric lamp post GRU 114/116 with a result, six persons trapped inside the taxi.The six trapped persons rescued safely by members of the cubic and five of them removed to Shrushrusha Hospital in private Hospital and one refused to go to hospital.
4.	1-6-89 0345 hrs.	Near K.G. Jain Boarding Trust Bldg., No. 143, Junction of J.B. Marg & Patte Bapurao Marg, Bombay Central, Bombay.	1	4	First arriving officer observed that a motor lorry Regn. No. MCY 2529 carrying sand proceeding from North to South along M.B. Marg dashed against a taxi Reg. No. 131 having 4 passangers in it which was proceeding from east to west along Matt he Bapurao Marg, as a result the taxi was pushed towards roadside building and crushed and thereby the 4 passengers and driver of the taxi were trapped inside the taxi. An electric feeder pillar and sign boards the two shops in the building were also damaged. Two persons cut of the five were rescued by means of rescue gears by firemen and removed to Nair Hospital in brigade ambulance after rendering first aid.

1	2	3	4	5	6
5.	6-6-89 04.12 hrs.	Karnac Bunder Naka, P, D'mello Road, Opp. NMayratan Bldg., Bombay - 400 009.	2	4	First arriving officer observed that a motor trailor tractor bearing No. MCU 2825 while proceeding towards V.T. side had shidded and dashed against four huts which were erected on footpath as a result six persons sustained injuries and were trapped under the huts debris. He immediately started rescue operations alongwith his crew members.
6	24-7-89 10.55 hrs.	Mukundrao Ambedkar Marg, Salamat Hill Hutment, Sion (E), Bombay - 400 022.	2	–	First arriving office observed loose portion alongwith a huge boulder of sillock collapsed on an unauthorised hut which was situated at the base of the hillock. As a result two minor aged boys were trapped under the boulder and the debris. The two boys rescued by the firemen by removing boulder and debris. First and rendered by firemen and removed them to L.T.M.G. Hospital in brigade ambulance.
7.	25-7-89 03.24 hrs.	Flanke Road, King Circle, Matunga Telephone exchange behind, Matunga, Bombay-19.	–	3	On arrival at the scene of incident it was noticed that a compound wall of a Matunga Telephone Exchange was collapsed over 12 huts. Eight persons were sustained injury. Search was made throughout the collapsed debris and besodes huts are vacated by fire brigade personnel.
8.	8-8-89 02.45 hrs.	60, Road, Opp. Maharashtra Hotel, Apna Backery, Dharavi, Bombay-17.	–	13	First arriving officer noticed that a private lorry bearing No. BLG 7800 dashed against a ground floored load bearing structure used as Backery thereby 13 persons were trapped in between the structure. Out of the 13 persons eight were rescued and removed to Sion Hospital in private vehicles before arrival of brigade and 5 persons were rescued by firemen and removed to Sion Hospital in brigade ambulance.
9.	8-9-89 15.17 hrs.	Hutments of foot path, Opp. Elphinston Mills, Senapati Bapat Marg, Bombay.	2	8	First arriving officer noticed that a motor lorry No. MHT 3582 (Tata model) Load with empty glass botties and speeding from Dadar to Lower Parel ran over a cluster of hutments on the pavement and also dashed to compound wall. It was reported to his that in all ten persons where injured out of which five persons who were trapped under the debris they were rescued by members of public before arrival of brigade and all persons were removed to K.E.M. Hospital by members of public. The officer made through search for any other casualities etc. but found none, the truck was removed from the pavement with the help of Rescue van.
10.	2-11-89 05.30 hrs.	Br. Nath Pai Marg, Near Reay Road, Bombay.	1	3	First arriving officer observed that a motor lorry bearing No. DIG 7727 proceeding from north to south on Br. Nath Pai Marg ran over the but on footpath and dashed against marked vehicles bearing No. BYX 5469 & MHL 1946 causing injuries to 3 hutment dwellers and trapping one hutment dweller sleeping on footpath under the said motor lorry.

1	2	3	4	5	6
11.	21-2-90 08.25 hrs.	Dr. B.A. Road, Opp. Dadar Fire Station, Dadar (East), Bombay-14.	2	1	First arriving officer observed that private school bus belongs to Sain Paul High Scool carrying 62 students, 6 teachers + 1 peon while proceeding south to north dashed against stationary private taxi and motor cars bearing Nos. MMR 7129 + MMQ 2243 respectively and thereafter dashed against entrance wall of the shop known as Adarsh Uphargriha located on ground floor in Minerva Mansion with the result three trace passers were sustained severe injuries who were removed to K.E.M. Hospital in Brigade ambulane No.5 and private ambulance from Golden house project.
12.	31.3.90 04.07 hrs.	Near Building No. 195/197, Kalbadevi Road, Bombay - 400 002.	3	3 (one childe).	First arriving officer observed on empty water tanker No. MHT 5939 speeding from North to South had ran over the footpath and dashed the shops there six persons trapped under the truck and sign board of a shop was damaged. He immediately made attempts to rescue the persons.

Brief details of servious 'Rescue Service' call in surburbs during the eyar 1989-90

Sr. No.	Date & Time	Place	Death	Injury	Description
1	2	3	4	5	6
1.	5.4.89 1649 hrs.	Ramkrishna Chemburkar Marg, Eastern Express Highway,Amar Mahal Junction, Chembur.	3	3	It was noticed that a motor trailer bearing reg. No. MMS 3339 loaded with containers went off the road dashed against the authorakshaw and toppled over a private motor car and scooter bearing No. MFA 5705 and MFB 6766 respectively. Thereby trapping five persons under the containers. Two persons were rescued by members of public and removed to Rajawadi Hospital in private vehicle before arrival of brigade.
2.	27.6.89 0414 hrs.	Rahul Bridge, Sion, Trombay Road, Chunabhatti	–	16	It was noticed that tourist bus regn. No. DEP 4971 over turned on east side when passing over the bridge which has no railing. It was also noticed that 50 tourist were travelling in the bus out of which 16 were injured. All injured were removed to hospital before arrival of Brigade.
3	27-6-89 2335 hrs.	Mumbai Panvel Road, Mankhurd, Opp. Bharat Nagar, Trombay, Bombay - 88.	1	3	It was notice from the police and members of public that private motor lorry bearing No. MTT 3785 while proceeding from Panvel to Bombay on Bombay Panvel Road has knocked down two pedestrain and had toppled down in the adjoining deep nallah as a result the driver of the lorry was trapped underneath the lorry and the cleaner of the lorry sustained injury. Out of four injured oned died.
4	23-7-89 0159 hrs.	Opp. Patel Aluminium Co., Pathanwadi, Eastern Express, Highway, Malad (w)	1	3	It was noticed that truck bearing regn. No. MST 3961 had overturned at the road side thereby trapping four persons, two persons were trapped under the truck and other two persons in the drivers cabin. All of them resuced and removed to Bhagwati Hospital.
5.	24.7.89 1019 hrs.	Kurar Village, Western Express Highway road, Malad East, Bombay.	2	250	It was noticed that five hundred hutments were submerged in the water and number of people and animals were stranded/trapped in the marooned butments. It was also learnt that some persons and number of animals were washed away in current of heavy water rain. About 250 persons and number of animals were resuced by firemen and Naval Personnel.Two ded bodies were traced in the flood water.
6.	24-7-89 0319 hrs.	Waman Tukaram Patil Marg, Behind Dukes Soda Factory, Sunder Nagar Hutment, Deonar, Bombay - 83.	1	7	It was noticed that a compound wall 30 x 8 ft. had collapsed on four adjoining hts. Therby injuring eight persons. Six persons were removed by strangers before arrival of Brigade. Two children were resued by firemen. Out of these 8 injred persons, one died.

1	2	3	4	5	6
7	13-8-89 1146 hrs.	Bismilla Maitaballi Chawl, Room No. 87, Kasai Wada, Kurla (E).	1	2	It was noticed that big boulder had slid from a hillock into a ground floored residential sturcture. He was informed by mebers of public that two children who were underneath the debris were already rescued before arrival of Brigade. he was also informed that a lady was still trapped under the debris and boulder, rescured by firemen, removed to Hospital where declared. dead.
8	1-10-89 0645 hrs.	Aliyavar Jung Marg, Near Larson & Toubro Dispensary, Andheri (E), Bombay.	2	15	It was noticed that a loaded L.P. gas cylinders lorry bearing reg. No. PMS 699 dashed against the staff bus bearing regt. No. MRT 8614 as a result mini bus turned over and rested on left side. Two persons were trapped underneath the bus and 15 persons had sustained injuries. All the injured persons were removed to Cooper Hospital in private Vehicle before arrival of Brigade.
9	18-11-89 0126 hrs.	Opp. Mahindra and Mahindra Co., Wester Express Highway, Kandivli(E), Bombay-101.	—	10	It was noticed that private loaded truck bearing regn. No. MMU 4793 TATA 1210D while proceeding from north to south dashed against an autorikshaw bearing regn. No. MCJ 4949 BAJAJ and overturned. As a result 10 persons who were in truck got trapped underneath the truck.All the 10 persons were rescued by public members and removed to Bhagwati Hospital Borivli in a private vehicle before arrival of brigade.
10	9-12-89 0721 hrs.	Bombay Panvel Road, Near Vashi Brick Bridge, Vashi, Bombay-84.	1	2	An oil tankers bearing reg. No. MMU 3612 while proceeding from Panvel to Bombay dashed on electric lamp post and toppled down on left side of the road with a result 1 person was trapped under the oil tanker and two persons were injured.
11.	16-12-89 1454 hrs.	Baingan Wadi, Plot No.34, Deonar, Bombay-43.	1	2	It was noticed by members of public that 3 workers of Municipal Contractors had follown in the seftic tank of W.C. while removing the blockage of the drainage. All three workers were rescued from saftic tank by members of public before arrival of brigade.
12.	27-1-89 1246 hrs.	Jolly Board Ltd., Kanjur Marg, Village Road, Bhandup, Bombay-78	—	5	It was informed by factory workers that a worker was cleaning the pump defibrillactor chest which was housed in defibrillactor section on ground floor of a five floored factory building was overcame by toxic/asphylating gas and became unconcious and four other workers rushed for help to rescue the unconcious persons and became unconcious. However, all the five persons rescued and removed to various hospitals before arrival of brigade.
13.	14-3-90 0000 hrs.	Meena Sadan Compound, Near Chembur Rly Stn., N.C. Acharya Marg, Chmbur, Bombay.	—	9	It was seen that a private compound wall (100 ft. x 6 ft.) had collapsed and fallen on 7 huts resulting in trapping 9 persons under the debris. The 9 persons which were trapped under the debris were rescued by members of public and removed to Rajawadi Hospital before arrival of Brigade. Efforts were made to find out any body trapped under the debris but no one found.

APPENDIX - V

Sr.No.	Type of Rescue	In fire	In Accident	Total
1.	No. of persons rescued alive with burns and injuries and subsequently recovered.	318	336	654
2.	No. of persons rescued alive with burns and/or injuries, but subsequently died.	151	118	269
3.	No. of human lives lost before arrival of Brigade.	24	125	149
4.	No. of casulities among fire service personnel	23	2	25
5.	No. of animals rescued	-	177	177

APPENDIX - VI

List showing the process or nature of work, factory and the risk covered in the area and wa facility available.

Sr. No.	Nature of work or process	Nos.
1.	Textile, Woolen, Silk & Artificial silk (Rayon etc. Mills)	120
2.	Ginning Mill	12
3.	Cotton presses	14
4.	Oil Mill	43
5.	Petrol and oil storage refinary	186
6.	Match factories, fire work and explosive manufacturers	19
7.	Explosive stores	25
8.	Presses involving dangerous Petroleum Installation	30
9.	Cinematograph films & celluoid plastic & Bale-lite works	46
10.	Timber and wood working Manufacturer	230
11.	Chemical works	220
12.	Gas and Electric undertaking	164
13.	Airport & Dock & Railway Installation	32
14.	Ware House, Goods Yard, Goods shed.	350
15.	Manufacturer of rubber goods	404
16.	Manufacturer of other goods	344
WATER FACILITIES :		
1.	Hydrants & approximate capacity	9991
2.	Water ponds	56
3.	Refilling places	52
4.	Wells, Rivers, and cannals other facilities like static tanks	741
5.	Storage tanks	166

Appendix-VII

Summary of calls to fire including false alaram, house collapses etc. showing appliances attended and used for extinguishing fire etc. during the year 1989-90.

Sr. No.	Fire Station	Stranger	Called by: Fire Alarms	Called by: Direct lines (pvt. lines)	Called by: Control Room	Total	HOW ATTENDED: Station Appliance: Escape / S. S. 4	HOW ATTENDED: Station Appliance: Extension/ angos	HOW ATTENDED: Station Appliance: T. T. L.	HOW ATTENDED: Station Appliance: Fire unit	HOW ATTENDED: Station Appliance: Water Tanker	Adding appliances: Escape	Adding appliances: Extension / angos	Adding appliances: T. T. L.	Adding appliances: Snorkel	Adding appliances: Fire unit	Adding appliances: M.C.T.B.A. van	Adding appliances: Water ver/ i. R. T	Adding appliances: Hose lorry/ R. van	Adding appliances: C P V A N
1.	Ravli Camp	56	–	–	109	165	159	16	–	–	–	–	18	19	–	2	2	12	–	4
2.	Indira Dock	8	–	3	74	85	83	–	–	12	–	–	24	28	1	–	2	13	–	2
3.	Byculla	68	–	–	401	469	360	74	–	–	15	9	32	12	–	–	3	4	–	21
4.	Marol	58	–	–	149	162	161	–	–	–	–	–	–	9	–	3	–	12	–	1
5.	Malad	30	–	–	148	199	195	8	–	18	–	–	24	59	–	2	1	24	–	–
6.	Memonwada	42	–	–	607	637	91	88	–	20	17	4	37	–	–	–	2	13	–	3
7.	Colaba	27	–	–	193	235	202	81	–	–	–	–	16	12	5	2	9	10	–	1
8.	Andheri	70	–	–	658	715	692	136	–	51	39	10	179	49	–	17	2	29	–	2
9.	Gowalia Tank	67	–	–	400	470	469	–	–	–	–	–	49	51	–	6	15	31	–	3
10.	Dadar	62	–	20	310	397	374	62	–	23	–	–	57	22	2	–	–	6	–	–
11.	Vikhroli	4	–	–	200	262	39	245	–	11	–	–	31	23	–	11	10	28	–	6
12.	Sewri	66	–	–	150	154	153	3	–	–	–	–	55	25	–	3	–	21	–	1
13.	Fort	58	1	3	289	359	–	333	–	–	4	33	36	24	5	2	7	16	–	2
14.	Marol	50	–	–	372	430	351	137	–	23	1	6	76	52	–	–	2	38	–	6
15.	Chembur	40	–	–	277	327	349	5	–	–	13	–	24	8	2	–	–	2	–	–
16.	Worli	51	–	9	342	391	245	205	–	–	–	–	105	151	–	3	–	10	–	1
17.	Deonar	35	–	–	117	168	169	–	–	–	–	–	60	11	–	8	–	–	–	–
18.	Dharavi	60	–	–	222	257	13	268	–	–	–	–	12	38	–	3	1	9	–	–
19.	Kandivali	51	–	–	289	349	–	286	–	–	8	6	59	10	–	6	–	28	–	–
20.	Mulund	51	–	–	167	218	165	12	–	–	–	3	35	28	–	–	–	9	–	3
21.	Shivaji Park	–	–	–	111	162	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total		968	1	35	5607	6611	4291	1728	–	158	105	71	961	629	15	68	56	293	–	59

	Breathing Equipment Van	Ambulance	Motor Turn Table van	HOW EXTINGUISHED Sand	Water Bucket	Chemical Exting.	First Aid	Motor Pump	Total No. of Jets	Electric	Swimming	Pillar	Foam Equipment	Automatic Sprinkler	Breathing Equipment
1.	2	8	4	85	18	2	1	29	18	90	5	2	2	1	2
2	5	7	3	–	7	15	3	15	13	14	1	–	–	–	–
3	4	26	–	101	65	8	29	19	40	77	–	–	3	–	–
4	4	6	–	58	6	7	18	46	32	–	–	–	–	–	7
5	–	7	–	–	24	2	7	30	38	64	–	–	–	–	–
6	1	13	–	217	48	–	1	–	18	–	–	–	–	–	5
7	–	4	6	61	20	6	21	–	16	–	–	–	–	–	–
8	–	18	4	341	64	50	15	12	98	–	–	3	–	–	11
9	8	48	11	180	36	26	12	57	59	–	–	6	–	–	–
10	–	11	3	139	23	123	5	12	46	–	–	15	–	–	–
11	–	13	3	56	42	28	33	53	54	–	–	–	1	–	–
12	3	24	–	39	18	19	11	55	52	36	–	4	–	–	–
13	3	10	4	156	22	20	12	26	28	157	5	–	–	–	–
14	–	28	3	220	31	5	17	33	85	–	–	30	36	–	1
15	–	14	–	146	30	4	5	18	25	–	–	6	–	–	–
16	5	20	–	134	47	174	12	52	35	–	4	28	–	–	14
17	1	10	–	68	–	–	–	16	14	–	–	–	–	–	–
18	–	7	1	118	29	2	5	–	35	31	–	1	–	–	–
19	–	50	1	104	44	13	10	100	63	–	9	–	–	–	–
20	1	7	1	23	42	53	8	49	38	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TOTAL	37	321	44	2246	616	552	229	629	809	469	24	93	41	1	38

MARKET DEPARTMENT

SALIENT FEATURES

Income :-	Rs.	5,81,66,959
Expenditure :-	Rs.	7,44,76,200
Municipal Markets :		86
1. Wholesale		9
2. Retail		77
Private Markets		18
1. Wholesale		01
2. Retail		17
Market ready but not started due to litigation		3
Total		104
Private licensed shops for meat, beef, fish:-		1250
Personnel		
Sr. Ward Officer (Markets)		1
Dy. Supdt. of Markets		5
Head Inspectors		18
Inspectors		183
Officer Supdt.		1
Head Clerks		9
Clerks		49
Others		875
Total		**1141**

Details of the Martets of each Division

Unit	Municipal Markets	Private Markets	Licences issued to outside meat shop	Revenue Collected Rs.	Estt. Cost Rs.	Maint. Cost Rs.
City	36	11	520	4,47,04,376	1,44,12,152	3,77,17,390
Western Subs	31	5	395	1,02,87,010	68,48,329	1,13,90,557
Eastern Subs	16	2	335	31,75,573	30,21,244	10,86,528
Total	**83**	**18**	**1250**	**5,81,66,959**	**2,42,81,725**	**5,01,94,575**
Previous Year's Figure				4,56,98,482	2,58,80,747 = 7,32,91,294	4,74,10,547

Wholesale articles viz-vegetables, fruits, mutton, beef, fish, port, poultry etc. are supplied through these markets.

Raids carried out against illegal import and slaughter of animals. Total raids carried out - 4089.

Animal Seized

1.	Sheep/goats	10325
2.	Horned Cattle	1545
3.	Pigs	714
4.	Live Fowls	1178

Stuff Seized and destroyed

1.	Beef	60,735 Kgs.
2.	Mutton	13,936 Kgs.
3.	Pork	25 Kgs.

Amount Realised

1.	Disposal of skins & heads	Rs.	31,200/-
2.	Disposal of Fish	Rs.	2430.44
3.	Five Imposed by court	Rs.	2,64,480/-
3-I)	Disposal of live fowls	Rs.	12349.82
4.	By sale of seized animals	Rs.	24,94,929.60

Immunisation of Cattle and Dogs

No. of dogs Immunised at 8 different centres	200
Puppies destroyed at Mahalaxmi Centre	15107
No. of animals treated at Khar Veterinary Dispensary	-

Markets under Redevelopment (City)

1) **Colaba Martet :-** First three phases already completed. Fourth phase in now proposed.

2) **M. J. Phule Mkt. :** Plans for construction of ground plus two upper floors building on the space of the old mutton section are approved and being processed further.

3) **Prof. D.K. Mandal :** Already developed by MHADA and likely to be taken ever seen.

Eastern Suburbs.

1) **Putt. market at Tagore Nagar, Vikhroli (E) :** Nearing completion

Markets Locked up in Litigations.

1) Markets on plot No.5-A at Mulund (West), S. L. Road

2) Markets 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	Locationof Plot	Area of Plot (in sq. mrts.)
1.	F/North	C.G.S.Colony	2008.29
2.	G/North	Mla Mohd. Chhotani Road	3461.20
			Plot is presently occupied by G/North ward as Depot
3.	R/North	L.T. Road, near Bhabhal, Borivali (West)	2925.42
4.	R/North	Sonya Budhia Compound, Opp. Railway Station, Dahisar.	7072.69
5.	M/West	Subhash Nagar, Chembur layout of 16th Road.	4115.00
6.	M/East	Govandi, Sambhagi Nagar	3000.00
7.	S	Lal Bahadur Shastri Marg, Near Mangatram Petrol Pump, Bhandup.	2546.00
8.	T	Plot opp. Mehul Cinema, Jawaharlal Nehru Road, Mulund (West)	3492.00

Sr. Ward Officer (Markets)

DEONAR ABATTOIR

Since commissioning of the Abattoir all the Units continued to function Smoothly.

During the year under report there is decrease in the arrival and slaughter of buffaloes whereas there is a rise in the arrival and slaughter of bullocks, male buffaloes, sheep and goats and pigs as compared to the arrival and slaughter of animals during the last year.

As usual special arrangements were made during the Bakri-Id festival for "Sacrificial Slughter" of horned cattle in one of the live stock market sheds and Municipal Meat vans were made available for transportation of sacrification meat.

Pharmaceutical concerns like M/s. Griffon Laboratiries, M/s. Raptakos Brett & Co., M/s. Cachet Pharmaceuticals, M/s. Emcure Pharmaceuticals, The Haffkine Insitute and many other Technical and Research Institutes continued to take benefit of the facility for Collection of various glands, blood, tissues etc., at Deonar Abattoir for pharmaceutical use and research purpose.

Educational Institution like Bombay Veterinary College of Kokan Krishi Vidyapeeth, trainees from Marketing and Inspection Department, Government of India, Local Self Govrnment Institution, Bombay and many other educational Institute availed of the facility for demonstration, training etc.

Degnitories from various states and from abroad paid visit to the Abattoir and took advantage of technical experties available here.

STATEMENT - II
REVENUE COLLECTED AT DEONAR ABATTOIR

		1988-89	1989-90
1.	Fair fees	57,93,554.00	72,52,238.00
2.	Slaughter fee	1,79,50,754.00	4,19,32,368.00
3.	Miseellaneous Receipt	1,73,31,936.00	42,83,472.00
4.	Rent	11,25,464.00	13,84,374.00
5.	Cold Storage	35,430.00	–
	Total :	**4,22,37,138.00**	**5,48,52,452.00**

STATEMENT I
PART I

Brought

Year	Buffaloes	Bullocks	M.B.s	Sheep & Goats	Pigs
1988-89	67,300	1,11,772	5,817	24,36,869	50,155
1989-90	87,111	1,10,093	6,833	26,83,544	44,303
Rejected -					
1988-89	1,002	3,614	65	1,437	1,463
1989-90	-	-	-	1,842	-
Perentage of rejection					
1988-89	1.49%	3.23%	1.12%	0.06%	2.88%
1989-90	-	-	-	0.07%	-

Year	Buffaloes	Bullocks	M.B.s	Sheep & Goats	Pigs
Animals removed					
1988-89	-	6	-	3,43,019	97
1989-90	31	15	1	4,95,203	45
Slaughtered					
1988-89	67,320	1,13,092	6,108	17,35,244	50,929
1989-90	87,229	1,10,438	7,095	17,77,481	45,321

PART II

Meat	Quantity produced in ton		Quantity condemned in ton		Precentage of condemnation	
	1988-89	1989-90	1988-89	1989-90	1988-89	1989-90
Beef	25,231.3	33461.05	56.57	119.89	0.18%	0.36%
Mutton	17,352.4	17729.72	20.06	17.87	0.01%	0.10%
Pork	1,273.23	1110.14	30.78	14.94	1.70%	1.3%

Sr. No.	Name of the Officer	Designation	Qualification	Period	Remarks
1.	Dr. A. A. Padalkar	General Manager	B.V. Sc.	1.4.86 to 31.3.90	

LINCENCE DEPARTMENT

HIGH LIGHTS

1)	Expenditure on the Department		
	a) Establishment	Rs.	2,85,04,118
	b) Others	Rs.	34,72,822
	Total	Rs.	3,39,76,940
2)	Revenue earned by the Department	Rs.	14,98,74,377

STATEMENT SHOWING THE REVENUE POSITION FOR THE YEAR 1989-90

Sr. No.	Particulars	No. of Actual licences.	collection for the year 1989-90
1)	Licences for storages & trades under section 393, 394, 412 of the B. M. C. Act.	1,20,814	4,09,41,129
2)	Licences for Hawkers & Squatters under section 313 (A) (B) of B. M. C. Act & fees for removal of encroachment (Redemption charges)..	14,086	1,96,69,358
3)	Licences for stall beares projections under section 313 (a) (b) (c) of B. M. C. Act.	46,415	1,10,14,483
4)	Licence for Advertisement permits under section 328/328A of the B. M. C. Act.	5,393	1,47,56,614
5)	Miscellaneous Receipts & Daily recovery of wrongful Occupation cum-refuse removal charges including Refuse removal charges recovered from licensed howkers.	–	5,83,21,321
6)	Ground Rent	–	51,71,472
	TOTAL	**1,86,708**	**14,98,74,377**

3) No. of prosecutions lauched and amount of fine inflicted

Prosecutions launched	Fine inflicted
23,641	37,59,267

EVOLUTION

The licence Department is created to fulfil the obligatory duties of the Corporation under section 61 (5) of the Bombay Municipal Corporation Act which provides for the regulation of offensive and dangerous trades, etc.

This obligatory duties of the Corporation is descharged by executing the statutory provision....

I) Under section 394 of Bombay Municipal Corporation Act by granting licences for storages of various commodities and trades covered under Schedule 'H'. For the purpose of Administrative control in enforcing the provision of this section in the larger interest of the life, health and property of the citizens in addition to the decentralised ward staff, a strict control is exercised through five Mass Raid by regular surprise inspections in the zonal wards for detection of new storages/trades infringement 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 carriying fire and explosion hazard involving human lives, health and property, a Flying Squad has been created to elimnate 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 control and regulated :

A) Advertisements under section 328/328A of the Bombay Municipal Corporation Act- Permissions for 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 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 BMC Act :- At present, no new hawkers licences are granted. Only cobblers pitch licences are granted liberally if in conformity of certain rules and regulations framed in this behalf.

However, owing to financial constraints at the disposal of administration in terms of adequate manpower and equipments, wrongful occoupation-cum-refuse removal charges are recovered at the rate of Rs. 5/- and Rs. 7/- (for selling perishable and non- perishable goods respectively) from unauthorised hawkers in each ward and the recovery at the rate 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 central vigilance squad under Sr. Inspector (Licences) for surprise and stringent action.

APPENDIX - 'A'

Statement showing the number of Licences & Permits Issued and fees realised during the year from 1987-88 to 1989-90.

Desciption	Year	No. of Licences	Amount of fees realised
Commodities & Trades Including Milk & its Products (Section 394 & 412A)	1987-88	1,14,739	3,60,73,272
Blowing Steam Whistle (Section 393)	1988-89	1,16,016	5,67,94,583
No. of transfer licences & fees.	1989-90	1,12,814	4,09,41,129

APPENDIX - 'B'

Statement showing the number of Permits for advertisement Issued and amount of fees collected during the year 1987-88 to 1989-90.

Desciption	Year	No. of Permits	Amount of fees realised.
Well posters, Hoardings & Boards.	1987-88	7,720	88,54,170
Moveable Boards & Handcarts	1988-89	7,486	1,12,74,930
Illuminated advertisements, Sky-sings.	1989-90	5,393	1,47,56,614
Non-illuminated Sky-sings.			

APPENDIX - 'C'

Statement showing the number of howkers Licences issued and amount of fees collected during the year 1987-88 to 1989-90.

Description	Year	No. of Licences	Amount of fees.
Squatter fees collected from Licensed howers.	1987-88	13,029	1,73,43,039
Fees received from itinerant hawker licences.	1988-89	13,854	1,93,48,447
Reovery of expenses (Under Section 490 for removal of encroachment under Section 314).	1989-90	14,086	1,96,69,358

APPENDIX - 'D'

Statement showing the number of licences issued in respect of Stall Boards, Projections etc. during the year 1987-88 to 1989-90.

Description	Year	No. of Licences	Amount of collected.
Licences for Stall Boards, Projections, etc.	1987-88	40,536	87,93,397
under Section 313(1)(b)(c) of the	1988-89	45,678	1,04,36,565
B.M.C. Act.	1989-90	46,415	1,10,14,483

APPENDIX - 'E'

Statement showing the revenue collctedthe Flying Squad towards Warehousing Charges.

Description	Year	Amount
Warehousing	1987-88	2,24,740
Charges.	1988-89	4,33,510
	1989-90	5,16,260

SHOPS AND ESTABLISHMENTS DEPARTMENT

This department is entrusted with the work of

1) Bombay Shops & Establishments Act, 1948 and Maharashtra Shops & Estts. 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 in any residential hotels, Restaurants or eating houses as defined in the Bombay Shops & Estts. Act, 1948.

   ii) No. 17 : Employment in any Shop or commercial establishment (not being an employment in any bank) or an employment which is include in any other entries in this schedule.

   iii) No. 21 : Employment in Cinema Exhibition Industry.

3) Payment of Wages Act, 1936 and Maharashtra Payment of Wages Rules 1961.

4) Maternity Benefit Act 1961 and Maharashtra Maternity Benefit Rules 1965.

Salient Features :-

a)	Revenue Receipts		Rs.	95,66,052.15
b)	Expenditure on different activities (exclusive of providend Fund and supervision charges)		Rs.	76,30,033.52
c)	Excess of Income than Expenditure		Rs.	19,36,018.60
d)	Amount of fine realised			
	i) Shops & Establishments	22,93,670/-		
	ii) From Minimum Wages Act	17,650/-	Rs.	23,11,320.00
e)	Benefit realised under the Minimum Wages Act, 1948		Rs.	10,24,011.70

Other Statistical information :

i) No. of Estts. registered			3,14,704
ii) No. of emloyees working therein			9,16,973
iii) Grant-in-aid received		Rs.	Nil

f) Act	No. of Visits	No. of Court Cases Filed	Decided	Employees benefited
Bombay Shops & Estts. Act, 1948	1,68,078	12,651	13,442	–
Minimum Wages Act, 1948	9,928	155	137	1,553

g) The following complaints are recceived in the year 1989-90 from various parties and Comissioner of Labour etc.

Act	Complaints received	Complaints Disposed	Complaints Balance
Bombay Shops & Estts. Act, 1948	372	360	12
Minimum Wages Act, 1948	117	117	–
Payment of Wages Act, 1936	13	13	–

The following is the staff strength of the Department :

1)	Chief Inspector (Shops & Estts.)	1
2)	Dy. Chief Inspector (Shops & Estts.)	4
3)	Sr. Inspectors	29
4)	Inspectors	62
5)	Head Clerks	2
6)	Jr. Stenographer	1
7)	Clerks	44 + 18
8)	Sr. Shop Attendants	7
9)	Shop Attendants	46

In the year 1989-90 there was an excess Income of Rs. 19,36,018.69. The total expenditure incurred on different activities of the department was Rs. 76,30,033.52 exclusive of P. F. and leave contribution and supervision charges. As against this, an amount of Rs. 95,66,052.15 was realised by way of income on account of Registration, renewal fees, sales of forms etc.

In the year 1989-90, **9928** visits were paid to the various establishments for the purpose of enforcement under the M, W. Act, 1948, out of these visits **5375** to the shops, **4006** to the Commercial Estts., **533** visits to the Restts. and residential hotels and **14** to the theatres.

Special features :

During the year under report **1421** Mass Raids were conducted by Inspectorate for surprise checks of provisions under the Bombay Shops & Estts. Act, 1948 and Minimum Wages Act, 1948. These raids (790 days + 631 Nights) were for the purpose of check up of opening hours, closing hours, weekly closed day, records under Minimum Wages Act. In addition to these general raids, **1289** special raids were conducted for detection of women employment in the permit rooms, after prescribed closing hours.

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. 82,59,498.00** was collected by 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 income for the year 1989-90 is realised considerably

Information regarding officer who hold the post from 1.4.89 to 31.3.1990.

Sr. No.	Designation	Name of the Officer	Qualification	Period From	Period To	Remarks If any
1.	Chief Inspector (Shops & Establishments)	Shri V. D. Totade	B.A. (Hons.) LL.B. L.C.S.	1.4.89	31.3.90	

Chief Inspector
Shops and Establishments

SUPERITENDENT OF GARDEN

M. C.'s Administration Report for the year 1989-90.

Sr. No.	Designation	Name of the Officer & Qualification.	Period From to	Remarks.
1.	2.	3.	4.	5.
1.	Supdt. of Gardens.	Shri. J. C. Garkh B.Sc. (Hon.) Agriculture.	1.4.90 to 18.5.89	Retired vaoluntarily from 19.5.89.
2.	Dy. Supdt. of Gardens.	Shri. K. L. Velodi B.Sc. (Bot.)	19.5.89 to 31.3.90	Appointed as Supdt. of Gardents I/c. from 19.5.89 onwards on payment of charge allowance.

1. Income — Rs. 8,76,440/-
2. Expenditure — Rs. 3,97,51,013/-
3. Amount spent on Zoo — Rs. 33,77,270/-
4. Expenditure towards special repairs — Rs. 50,16,159
5. Expenditure on New Works — Rs. 13,91,975/-
6. Recreation activities added during the year 1989-90

	City	W.S.	E.S.	Total
1) Gardens	18	—	2	20
2) Playgrounds	3	—	2	5
	3 P.G. decreased converted into dispensary			3 decrease 2 increase
3) Fountains	—	—	1	1
4) Garden attached to muni. Bldg.	—	—	—	—
5) Band Stands	—	—	—	—
6) Traffic Islands	6	3	13	22
7) Nurseries	—	—	1	1
8) Plant Sale Counters	—	—	—	—
9) Plants distributed	9515	29390	13229	52134
10) Trees planted	1029	6840	3135	11004

The Garden department looks after the development and maintenance of gardens, playgrounds and traffic islands etc. besides plantation of trees and preservation of existing trees at present having 304 gardens, 173 playgrounds, 41 gardens attached to the Municipal Buildings, 174 traffic island gardens, 66 water fountains, 13 Band stand, 25 Nursaries and 3 sale counters all over Greater Bombay.

Veermata Jijabai Bhosle Udyan which is centrally located has remained one of the best attration to the visitors as was in the past. The modern play apparatus installed in the garden remained attractions for the children.

A Japanese garden is constructed by Yokohama City landscape consortium on behalf of the city council of Yokohama at centrally located plot at about 2400 Sq. Meters near fountain. At the centre of the Japanese Garden there is a pond which is surrounded by a stream a water fall and a paragola. Another intresting feature of the garden is kabulki gate which is made up of teak wood. It

is one of the most picture sque beautiful spot in V.J.B.Udyan. The pond is skirted by a passage from where one can differentiate facts of the gardens while walking around it. There are artistic stones, stepping stones and wooden bridge. Besides there is a snow view stones lanterns installed in the garden which represents its symbolic meaning as originally being using for lighting.

During the year 1989-90 Six Nos. of semi adult Gharials were brought from Bhuvaneshwar (Orissa) Zoo and they all are doing well in our zoo. In the aquatic birds cage breeding of storks and seven painted storks were born during the year. The arrangement was made for matting/breeding the leopard cubs were born in the zoo in July 89, Six spotted deers and 3 samber deer are sold to Aurangabad Municipal Zoo in June 89 from our surplus stock on cash purchase basis.

Arrangements for tranquilling, trapping and delivering of the deers as made by us. A pair of black bucks and pair of porcupines have been procured from Peshwe Park, Pune. Besides this additions in our zoo due too birth is given as below :

Sambar	2
Chital	5
Barking deer	1
Nilgai	3

One day workshop for zoo staff was conducted on 13.12.89 in collaboration with Education Officer, World Wild Fund for Natures India when the discussion on Zoo management, lectures by the expertise personal in the field, slide and wild life film show was arranged to create awareness among the Zoo staff for importance of wild life conservation.

During the year works (1) Water proof plastering to the Rhino Tank and repairs for the plaster of side wall etc. (2) Providing pipe railing at New birds cage 10 units. (3) Providing welded mesh on the fence of sambar, Nilgai, spotted deer cage. (4) Providing water storage tank on various cages (5) Annual painting of bear cages, circular cage of birds and Monkey cage No.30 were entrusted to ward P.W.C. and work have been completed during the year 1989-90.

Recreation Activities :

During the year under report 20 gardens, 22 traffic islands, 1 fountain are added. The existing gardens and playgrounds in the City, Eastern and Western Suburbs were maintained properly.

There are 66 fountains in Greater Bombay limit which have added to the beauty of the city.

Tree Plantation :

During the year 1989-90 a mass tree plantation programme was undertaken to combat the evil effect of air pollution 1029 trees in the city, 6840 trees in the Western Suburbs and 3135 trees in the Eastern Suburbs were planted. As a part of grow more trees compaign 52134 plants were distributed to the public free of cost.

Maintenance of Gardens and Playgrounds

Sr. No.	Description	City	W.S.	E.S.	Total
1.	Gardens	159	75	70	304
2.	Playgrounds	92	45	36	173
3.	Gardens attached to Muni. Bldg.	15	17	9	41
4.	Fountains	36	12	18	66
5.	Bandstands	7	3	3	13
6.	Box Hedges	1	1	Nil	2
7.	Statues	21	2	7	30
8.	Traffic Island	115	31	28	174
9.	Nurseries	9	8	8	25
10.	Sale Counters	1	1	1	3
11.	Planting of trees	1029	6840	3135	11004
12.	Existing trees	36775	40716	43337	120868

Supdt. of Gardens I/c.

DR. BHAU DAJI LAD MUSEUM

The information called for in the first paragraph of the Municipal Commissioner's Circular No. MOP/5424 of 16.4.90 regarding the Administration Report for the year, 1989-90 against 1(ii) is given below please.

Sr. No.	Name of the Officer	Designation	Qualification	Period	Remarks
1(ii)	Dr. Smt.M.S.Paranjpe	Curator I/C	B.A. Ph.D	1.4.89 to 31.3.90	Post of Curator is vacant since 1.4.89, hence Smt. Paranjpe Asstt. Curator has been entrusted to look after the duties of Curator

The Infoormation called for in the first paragraph of the Municipal Commissioner's Circular No.MOP/5424 of 16.4.90 regarding the Administration Report for the year, 1989-90 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 into effect.	NIL
1(iv)	Award of Adjudications.	NIL

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 and Village life, Arms, Cottage Industries, Ethnology, Fine Arts, Numismatics, Geology and Old Bombay History. The Reference Library of the Museum contains books on Art, Archaeology, History, Old Bombay etc. and most importantly eithteen volumes of specimens of old Indian Textiles that the available 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 maintenence works were taken up in hand in 1988-89.

a. Repair of the dilapalated windows of the Museum &

b. Repair and replacement of the supports to the cornices on the Museum Building.

Out of which repairs of iron angle supports to the cornices is completed in 1989-90 and repair of the windows will be completed in 1990-91.

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 Histroy of Bombay City as well as reorganising some of the existing dispaly. This work is still in progress. In this connection an exhibition on Colaba was organised in Dr. Bhau Daji Lad Museum for two months. This exhibition was inaugurated by Shri Venkat Charry, AMC (V) in the presence of Shri Parvin Kamdar, DMC (I). Mariam Dosal, Reader of department of Histroy of Bombay University was the chif Guest of this function.

Also an Educational Programme has been started from 1989-90. During 1989-90 Puppetry work

shop was organised by Smt. Meena Naik for 30 Municipal scholl children from 3 Municipal schools of Byculla in Diwali vacation for 15 days in Dr. Bhau Daji Lad Museum. This work shop was inaugurated by Shri Gokhale, AMC(G), Shri Pravin Kamdar, DMC (I) was also present on inauguration function.

Shri A. P. Fondekar, Curator on Deputation was relieved from Dr. Bhau Daji Lad Museum on 1.4.89. Post of curator is vacant since then. Assistant Curator appointed has been entrusted with the work of looking after the duties of the Curator. Post of Curator was advertised in January 90 but uptill now post is not filled in.

THE DETAILS REGARDING THE NUMBER OF VISITORS, SALE PROCEEDS OF ADMISSION TICKETS, TOTAL EXPENDITURE ETC.

PARTICULARS	1988-89	1989-90
The number of days Museum kept open.	306	295
Total number of the visitors.	7,43,821	6,45,745
Sale proceeds of Admission Tickets.	2,18,393.00	3,59,854.00*
Sale proceeds of Museum Guides and Minor Receipts.	1,365.00	861
Fees for taking Photographs.	2,563.00	2,704.00
Sale proceeds of Scrap, Waste paper etc.	—	1,186.70
Receipts of grant from the Central Government.	—	—
Total expenditure (Excluding the amount spend from the grant from the Central Govt.)	6,06,635.00	4,90,260.00

NOTE :

* Rate of admission ticket has been revised to Rs. 1/- per person above the age of 16 years, as per DMC(I)/AMC(G)M.C.'S Sanction No. PPK/8378 of 25-4-89, with effect from 2-5-89.

CURATOR I/C
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 Pool at Dadar, Nirlon Olympic Municipal Swimming Pool at Goregaon, Ghatkoper Lions Municipal Swimming Pool at Ghatkoper, Sardar Vallabhbhai Patel Olympic Swimming Pool at Kandivali, Municipal Swimming Pool at Mulund Sports Complex and Andheri Swimming Pool at Andheri Sports Complex, were fully utilised by the public under public under report. The number of casual swimmers and the regular members are on the increased scale from year to year. Concessional facilities for the school were adeuately utilised by schools.

37th Anniversary of M.G.M.O. Swimming Pool was observed on 27th April 1989 by holding swimming competitions among the members of all the Municipal Swimming Pools.

6th Sub-Junior National Aquatic Championship was held at Banglore from 29th June to 2nd July 1989. Seven members participated in it.

M.G.M.O. Water Polo League Tournaments were held in December 1989.

FINANCIAL

Swimming Pool	Income	Expenditure
1. M.G.M.O.S. Pool, Dadar	10,70,582.00	7,86,366.00
2. N.O.M.S.P. Goregaon	1,44,645.00	5,92,440.00
3. S.V.P.S. Pool, Kandivali	7,85,835.00	6,86,756.00
4. G.S. Pool, Ghatkoper	8,75,600.00	9,86,200.00
5. Mulund Swimming Pool, Mulund	7,35,780.00	10,47,630.00
6. Andheri Swimming Pool, Amdheri	16,08,500.00	14,72,382.00

The expenditure in respect of M.G.M.O. Swimming Pool shown above is exclusive of follwing charges :-

1. Water supply charges
2. Establishment cost of Security guards - Rs. 60,027.70
3. Service charges for the services rendered by
   - I) Municipal Analyst.
   - II) A.E. Water Works (Maint.) including supply of Chlorine Cylinders
   - III) A.H.S.G/North.
   - IV) P.C.O.G/North.

SWIMMERS

Swimming Pool	New adm.	Casual Swimmers	Sch. children	No. of Institutions	Private reservations
1. M.G.M.O.S. Pool, Dadar.	4102	15996	2739	9	33 877 Hours Amt. 1,09,548/-
2. N.O.M.S. Pool, Goregaon.	32	43731	126	—	23 Hours Amt. 2461/-
3. S.V.P.S. Pool, Kandivli.	4241	56900	2034	2	Amt. 1,08,436/-
4. G.S.P. Ghatkoper	4305	24511	1600	7	7 Hours Amt. 7214/-
5. Mulund S. Pool,	1678	33524	1660	—	—
6. Andheri S. Pool, Andheri Complex	4467	37145	4025	3	Amt. 26,000/-

Sr. No.	Name of the Officer	Designation	Qualification	Period	Remarks
1.	Shri Madan Harayan Gajane	Office Superintendant	—	1.4.89 to 9.1.90	Transferred to Birla Krida Kendra from 10.1.90
2.	Shri Prakash Shridhar Modak	-do-	B.A. (Spl.)	10.1.90 to 31.3.90	Appointed from 10.1.90

O. S.
M.G.M.O. Swimming Pool.

RAJA DR. BALDEVDAS BIRLA KREEDA KENDRA

Administrative Report for the year 1989 - 1990

Raja Dr. Baldevdas Birla Kreeda Kendra has a multipurpose auditorium, fully air conditioned and equipped with normal eletrical 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 exihibition.

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 Departments.

d) Mayors Award and other function arranged by Municipal Secretary Public Relation Department, Hospital and Medical Colleges.

e) Fare well functions in honour of staff.

f) 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 Terrace Garden were booked as under :-

1) Auditorium	709	Sessions
2) Boat House	801	Sessions
3) Children Hall	581	Sessions
4) Art Gallery	552	Sessions
5) Garden for parties Reception etc.	379	Sessions.

The expenditure was restricted to the Budgetory Provisions wereas the programmes conducted and the income derived therefrom were more than anticipated figure in the performance Budget.

An amount of Rs. 8,79,668/- was collecctd by way of reveue and an amount of Rs. 8,35,705.70 was expended in salary of staff and other items of maintenance.

Manager,
Birla Kreeda Kendra

CIVIC TRAINING INSTITUTE & RESEARCH CENTRE

1. Training Programmes conducted in Administrative, Technical, Financial and General Management. 303
2. Seminars/Workshops conducted on different topics 5
3. Project Studies carried out 89
4. Shri D. J. Vyas, Chief Engineer, headed the Civic Training Institute & Research Centre through out the year 1989-90.

The Institure organised training programmes in Administrative Management, Financial Management, General Management, Management Techniquies, Job Training & Induction Training for employees of various Departments of the Municipal Corporation throughout the year. About 5704 employees were imparted training during this year.

Basides these training programmes, the C.T.I.R.C. also organised and conducted National Refresher Courses on (i) Sewer Cleaning and Maintenance (ii) Cathodic Protection and (iii) Chlorination and Chlorinators at the instance and with the financial assistance of the Ministry of Urban Development, Government of India, New Delhi.

System Studies including Staff proposals related to the Chief Accountant's Department, Additional Cheif Accountant (W & S)'s department, Mechanical and Electrical Engineering Department, Water Supply Projects Department, Sewrage Projects and Sewerage Operations Department and Ward Offices were carried out during this year. In all, about 89 studies were completed.

5. **Central Library**

Library facilities were provided at the C.T.I.R.C. Campus for benefit of the trainees and faculties of the C.T.I.R.C. and staff of the Corporation.

A. (i) Number of new members enrolled in the Central Library during the year 1989-90 38
(ii) Total Members 573

B. (i) Number of new books purchased during the year 1989-90 88
(ii) Total Number of Books 4574

6. **Budget Information**

A. **Expenditure**

1. Expenditure on Establishment Rs. 27,36,308/-
2. Expenditure on other Heads Rs. 15,75,105/-

B. Revenue Rs. 39,202/-

Sr. No.	Name of the Officer	Designation	Qualification	Period	Remarks, if any
1.	Shri. D.J. Vyas	Chief Engineer	B.E. (Civil) M.E. (Civil) Environmental Engineering	1.4.89 to 31.3.90	Nil.

Chief Engineer (CTIRC)

SPECIAL VIGILANCE SQUAD

Designation of Head of the Department	Name of the Officer	Qualification	Period	Remarks
Vigilance Officer (Special Duty)	Shri I. C. Sisodia	B. A. (Spl.)	1.4.1989 to 31.3.1990	Through out the year

The Special Vigilance Squad is a small Vigilance Unit on M.C.'s establishment, working under the direct Supervision and control of the Municipal Commissioner. This Unit is comprising of 6 officers and 12 men as shown below :-

Sr. No.	Designation	No. of posts.
1.	Vigilance Officer (Special Duty)	1
2.	Dy. Vigilance Officer (Special Duty)	3
3.	Asstt. Vigilance Officer (Special Duty)	1
4.	Inspector (Vigilancce)	1
5.	Security Guards (Vigilance)	6
6.	Security Guards (Control Room)	6

Duties and functions of this unit are as follows :-

i) To make discreet, confidential/secret enquiries and to collect information in case or frauds, malpractices and leakage of revenue.

ii) To carry out raids against traders and importers for their illegal activities including evasion of municipal taxes, fees etc.

iii) To carry out raids against the unauthorised traders and importers of animals, beef, meet etc.

iv) To detect illegal storage of hazardous goods.

v) To defect unauthorised construcctions, developments etc.

vi) To detect misuse of municipal properties.

vii) To carry out such other duties as directed by M. C. and Addl. M. C. S.

viii) To attend any emergancy.

ix) To keep liason with police, A. C. B., Custom & Central Excise authorities and other Government Agencies.

x) To supervise the functions of Head Office Control Room.

Control Room under the supervision of Vigilance Officer

A Control Room under the supervision of Vigilance Officer (Special Duty) functions at Municipal Head Office, round O'clock as a communication system to keep Municipal Commissioner and all other key officials informed for all the important events, emergencies, taking place in the city. Simultaneously

orders of emergency nature are communicated to various civic agenccies without any loss of time.

During the year 1989-90, the Special Vigilance Squad conducted 158 investigations, carried out 173 surprise raids, 550 visits and checkings and disposed off about 2500 matters of miscellaneous nature including important cases of confidential and secret nature.

The details of investigations are as under :-

Sr. No.	Nature of the investigations	No. of cases
1.	Cases of misappropriation and fraud,etc. of Municipal fund.	46
2.	Cases of evasion of revenue in collusion with civic employees	43
3.	Cases of irregularities.	42
4.	Cases of unauthorised constructions/ business/trades etc.	27
		158

Details of the raids are as under :-

1.	Number of Raids		173
2.	Total Value of the material involved	Rs.	25,28,67,000/-
3.	Total revenue recovered.	Rs.	53,24,959/-
4.	Number of legal actions against parties		36
5.	Number of enquiries against staff.		34

Vigilance Officer (Special Duty)
Brihanmumbai Municipal Corporation

REMOVAL OF ENCROACHMENT DEPARTMENT

List of Demlition carried out by Removal of Ench. Deptt.
FROM : 1.4.89 to 31.3.90

Sr. No.	Day/Date	Ward	Demolition carried out by Central Squad.
21	Tues/ 4.4.89	H/W	Demlition of 90 u/a shops of Plaza Aslad, S. V. Road, Santacruz (W).
22	Tues/ 11.4.89	G/S	150 u/a hut & 150 existing huts removed at near Nehru Science Centre.
23	Thur/4.5.89	K/E	200 structures residential & Commercial were demolished at IAAI Land, Sahar Village, near water main.
24	Wed/26.4.89	M/E	200 structures derolished at Panjorpole Govandi for Road widening.
25	Tues/30.5.89	R/S	200 structures & some C.I. Sheet shed removed at powdsland.
26	Thur/8.6.89	K/W	5 pacca room & C.I. Sheet about 30x12 was demolished at Patelwadi & Sehrambaug.
27	Tue/13.6.89	K/E	6 Strctures nearly built made of C.I. Sheet & A.C. Sheets were demolished at Pascalwadi, Village, Mogre, Jogeshwari (E).
28	Thes/27.6.89	S	70 u/a vacant structures have demolished without notice of chawls behind Pooja Industrial Estate.
29	Sat/1.7.89	P/N	At Sanwar bazar, u/a construction of flat roof made of girders of 30x10" at Achalkar Chawls, Rajanpade u/a Ext. 40'x30' Mansonary Wals.
30	Wed/5.7.89	H/W	2 sheds on the terace, 2 shed in the open Space of the bldg. & 1 shed obstructing the footpath on the S. V. Road demolished at 'Selection' junction linking Rd.
31	Wed/12.7.89	S	U/a 50 residential structures was also demolished at Pooja Industrial Estate made of C.I. Sheets.
32	Frl/21.7.89	P/N	Gate of Extended & encroached on madh Marve road removal & the relsed bldg from constructed was also removed at Madh shown near Madh Island, Malad (W).
33	Thur/17.8.89	R/S	Mansonary wall 10x5, 1 structure 30x30, 1 wall 15x5, 3 wall 20x5'x2', 20x20 rebble mansonary wall, 25'x4'x20'x4' stone mansonary 2 walls 25x3x2x20x3 1 wall 25'x3', 30'x4'x30'x2'x2' were demolished a Dolsarnalla, Kandivali.
34	Sat/26.8.89	D	One tarpolin shed & u/a work removed at Dr. B. Ambedkar colony, Mahalaxmi.
	Sat/16.9.89	F/N	25 u/a rooms were demolished at G.S.B. Hall Matunga.
35	Wed/20.9.89	M/E	Demolition of Municipal land within the R.L. Chembur Manhole link Rd, Shivaji Nagar.

37	Thur/21.9.89	H/W	Array Sarita Stall removed with ASL (Z-III) at Carter Rd, Bandra (W).
38	Tue/26.9.89	G/S	28 stalls & 5 shantles demoolished at Worli.
39	Tues/3.10.89	K/E	105 C.I. Sheet structures were demolished on the East side of the Rd. at IAAI at Technical area at Sahar Village.
40	Thur/5.10.89	P/N	u/a construction of 24 rooms alongwith projection at the side & staircase 1st floor domolised at opp. Pratap Mane Bldg. Near Link Rd. Malad (W).
41	Mon/16.10.89	K/W	180 u/a construction was demolished at Anand Nagar.
42	Thurs/2.11.89	H/E	u/a 200 structures/hutments were demolished at the above site at May Grac at Plot Opp. Mala Naga theater, Gandhi Nagar, Bandra (E).
43	Fri/3.11.89	K/W	90 u/a structures/hutments demolished Anand nagar, Oshivara, Jogshwari (E).
44	Sat/4.11.89	G/N	70 u/a structures demlished at Sharavi Dumping ground near bulldozer Garage.
45	Tues/7.11.89	H/E	70 u/a residential huts removed near Bahar Talkies.
46	Wed/8.11.89	K/E	90 u\a commercial sheds were demolished at Marol Technical area near water mains.
47	Sat/18.11.89	R/N	u/a 125 residentail shanty huts alongwith W.E. Highway area demolished near BEST Plot, Borivali (E).
48	Wed/29.11.89	K/W	u/a 115 resientail shanty huts were demolished at Anand nagar.
49	Wed/6.12.89	P/N	Entire u/a compound wall & the shed were demolished at Malvani village, Malad (W).
50	Sat/2.12.89	H/E	Demolition of u/a construction at 49, Navpada (R.C.C. slab demolished.)
51	Thurs/7.12.89	M/E	Demolition of footpath of Dr. C.E. roade & D. A. Saurees Road.
52	Fri/8.12.89	R/S	50 vacant structures, 100 u/a residential structhres, 150 u/a commercial structures, 300 RFT Compound wall were demolished at K.T. Compound, M: G. Road, Kandivali.
53	Sat/9.12.89	R/S	170 residential strutures were demolished at K. T. Compound Kandivali.
54	Wed/13.12.89	M/E	Demolition of transit camp, Chembur
55	Fri/15.12.89	R/N	4 residential structures have demolished at wadi, W. E. Highway, Borivali.
56	Mon/18.12.89	H/W	U/a Shivsena Party offices were demolished at Allabax compound, Dr. Ambedkar Rd, Khar.
57	Tues/19.12.89	F/N	u/a 50 stalls/ u/a 75 hawkers removed at below wadala bridge, Wadala.
58	Wed/20.12.89	M/E	Demolition of Himbani baug, Govandi.

59	Mon/21.12.89	K/E	140 commercial G. I. Sheet shed, Pacca Commercial strutures having B. M. Wall & A. C. Sheet were demolished at Gupta Compound, M.I.D.C. Andheri (E).
60	Sat/23.12.89	G/N	u/a 100 residential huts along the compound wall of Dharavi Fire Stn. were demolished at T. H. Kararia Rd. Matunga (E).
61	Wed/27:12.89	P/S	30 residentail shanty & 150 residential G. I. Sheet huts were demolished at cementory plot at Goregaon.
62	Frl/29.12.89	D	4 u/a structures demolished & 9 huts infornt of may stack, at Rd No. 1, Tardeo.
63	Mon/1.1.90	'L'	Nuge u/a structures (pacca) having thick brick walls. A. C. Sheet fitted to M. S. beams having 20ft demolished.
64	Tues/9.1.90	P/N	110 u/a structuras demolished. manuall at Mun. Dindoshi colony at KMD Sectors.
65	Wed/3.1.90	(Airport)	300 residential huts were demolished at Juhu Airport.
66	Wed/17.1.90	H/E	Demolition of side walls partition & removal of doors windows was do R.C.C. slab of 5 ft, size about 30x10 & 20x10 admeasuring about 500 sq. ft at Navpada.
67	Wed/24.1.90	F/N	60 u/a structures (Residentaial) were demolished at G.S.B. hall, R. No. 29, Sion (E).
68	Thurs/8.2.90	G/N	all the 150 u/a structures (Resiential huts mixed with commercial were demolished at T.N. Kataria Marg, Matunga (E).
69	Frl/9.2.90	P/N	150 residential huts demolished at Sector & about 50 residential recrected huts were demolished from 'F' Sector at Dindoshi Municipal Vasahat.
70	Thus/8.3.90	H/W	300 to 350 residential shanty huts on thhe P. G. Rd. & D. P. Rd. were demolished at Plot No. 23, 24, 35, 36 & S. No. of Palghtwadi Bandra (E).
71	Mon/12.3.90	R/N	225 residential huts coming in the alignment of the Rd. was demolished at road overbridge Dahisar (E).
72	Wed/14.3.90	G/N	36 u/a stru. at proposed by A.E.T.P. were demolished at K.N.P. market plot, behind plaza cinema.
73	Frl/16.3.90	K/E	45 residential huts were removed at Marol M.I.D.C. along Truck main.
74	Mon/19.3.90	R/S	400 residential she ties hutment were Semolished at Shimnagar, Damupada at Akuri Rd. Malad Kandivali (Tunnel).
75	Wed/21.3.90	P/S	200 u/a structures demolished at cemetary plot at Goregaon.
76	Sat./24.3.90	G/N	70 u/a structures demolished near Sion reilway station.
77	Sat/31.3.90	R/S	60 pucce structures & 125 Katcha u/a structures demolished at Lajiada, Sanj Nagar, Gandhi Nagar, K. D. Compound, Kandivali.

Administrative Report 1989-90
REMOVAL OF ENCROACHMENT DEPTT.

	Name of the Officer	Designation	Qulification	Period From to	Remark
1)	Shri V. S. Jadhav	Ward Officer (Removal of Encroachment)	DCE AMIE (India)	1.4.1989 to 6.6.1989	
2)	Shri A. G. Parikh	Ward Officer (Removal of Ench.)	B.E. (Civil) I/c	7.6.89 to 28.7.89	Shri V. S. Jadhav (WORE), on leave, Shri A. G. Parikh (AERO) conned to work at wore I/C
3)	Shri V. S. Jadhav	Ward Officer (Removal of Ench.)	DEC AMIE (India)	29.7.89 to 24.10.89	
4)	Shri A. C. Parikh	Ward Officer (Removal of Ench.)	B.E. (Civil) I/c	25.10.89 to 22.1.90	Shri V. S. Jadhav (WORE) on leave Shri A. G. Parikh (AERE) conned to work as wore I/C
5)	Shri V. S. Jadhav	Ward Officer (Removal of Ench.)	DCE AMIE (India)	23.1.90 to 30.3.90	
6)	Shri A. G. Parikh	Ward Officer (Removal of Ench.)	B.E. (Civil) I/c	31.3.90	Shri V. S. Jadhav (WORE) on leave Shri A. G. Parikh (AERE) conned to work as wore I/C

sd/-
Ward Officer (Removal of Encroachment)