



**ADMINISTRATION
REPORT**

of the

Municipal Commissioner

for

Greater Bombay

1985-86

City, Suburbs and Extended Suburbs

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FORWORD

As required under Section 124 of Bombay Municipal Corporation Act, I have pleasure in placing the Administrative Report for the year 1985-86 before the Corporation. The report covers in retrospect the review of progress of various programmes undertaken by the various Civic Departments during the year 1985-86. The programmes planned by the various departments reflect the need of prioritising them in the face of the constraint of the limited finances.

Due to increased workload in the City Engineer's Department, some work of this department was entrusted to two additional Chief Engineers, viz., Chief Engineer (Roads) and Chief Engineer (Development Plan). Further, all mechanical and electrical matters were transferred to the newly created post of Chief Engineer (Mechanical and Electrical).

No major works were planned during this year as available funds were allocated for completion of ongoing works. However, structural repairs, specialised water proofing, etc., of several municipal buildings were undertaken centrally by the Planning and Design Division.

The Slum Improvement Cell was concerned with providing basic civic amenities and welfare amenities for the slum dwellers.

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

The Draft Development Plan for the city prepared by the Corporation is awaiting the State Government's approval. The Planning Committee was occupied this year in finalising the Draft Development Plans for the Suburbs.

No new road works were taken in hand during this year for want of adequate funds. Considering the traffic volume and total road length in Brihan Mumbai, the amount available for road maintenance is inadequate. The maintenance work was, therefore, restricted to attending only to bad patches.

The last monsoon witnessed unprecedented rains resulting in paralysing the activities in the city and loss of crores of rupees to public and private properties. The Central Government assessed the situation and sanctioned funds to the tune of Rs. 11.80 crores for taking anti-flood measures and for road repairs. The Corporation has taken in hand nalla training works and desilting of nallas immediately to reduce the intensity of flooding.

The Bombay Urban Transport Project has been completed.

Permanent traffic counting station are established and micro computers have been installed to maintain continuity in the traffic planning process and to identify more traffic improvement projects.

Geometric designs of many intersections are being made from the point of view of beautification of traffic islands in addition to improvement of street lighting at inter sections and along arterial roads.

The activity of sweeping, collection and transportation of refuse and debris was not affected by any major labour strike or any failure of supply of lorries. Debris due to road excavation and building repairs were also removed. This year, cleaning of house gullies was undertaken on a large scale. This was necessary on account of general neglect of landlords to keep them clean and the accumulated refuse has reached alarming proportions.

The works covered under the Water Supply and Sewerage Project-Bombay II were under execution. When completed, the Project will increase the City's Water supply by an additional 455 Mega Litres per day.

Plans and Estimates for Water Supply and Sewerage Project Bombay III, have now been prepared and the project has also been appraised by the World Bank. The Scheme aims at Bringing and additional 455 mega litres of water per day to the city.

The Assessment and Collection Department — a major revenue earning Department of the Corporation — collected Rs. 151.03 crores from Municipal Taxes, Rs. 211.41 crores from Octroi and Rs. Rs. 27.75 crores from four Government Taxes. The total tax collection thus worked out to Rs. 390.19 crores as against the revised estimated of Rs. 385.62 crores for the year 1985-86. The collection in respect of municipal taxes alone is, however, in excess by over Rs. 1.63 crores over the revised Budget Estimates.

After successful computerisation in phases of the payroll of 99,500 municipal employees, the scheme of computerisation of their P. F. Accounts has been completed by opening a centralised P. F. Computer Cell at the Head Office.

Sd/-
(D. J. VYAS)
Dy. City Engineer
(Productivity).

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

Sd/-
(Venkat Chary)
Municipal Commissioner.

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

Shri C. C. Bhujbal, who was elected Mayor at the First Meeting of the Corporation, held after the General Elections on 10th May 1985, held that Office for the remaining period of the year 1985-86.

2. Ninety one Meetings of the Corporation, including Eleven Special Meetings and adjourned Special Meetings, Eighty three Meetings of the Special Committees and Two Meetings of the Consultative Committees were held during the year.

3. The vacancy caused due to the death of Shri M. C. Parekh, who died on 7th September 1985, was not filled in.

4. The Corporation accorded Civic Reception to (i) Shri S. M. Joshi, (ii) Shri Baba Amte.

STANDING COMMITTEE

Shri A. W. Patil, who was elected Chairman of the Standing Committee after the General Election of the Corporation, at the Meeting of the Standing Committee held on 28th May 1985, held that Office for the remaining period of the year 1985-86.

Shri G. S. Thakare was an Ex-Officio Member of the Standing Committee on his appointment as the Chairman of Education Committee with effect from 27th May 1985.

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

One hundred and Twenty eight Meetings including regular and Adjourned Meetings and Special and Adjourned Special Meetings, were held during the remaining period of the year 1985-86.

IMPROVEMENTS COMMITTEE

Shri M. R. Naik, who was elected Chairman of the Improvements Committee after the General Elections of the Corporation, at the Meeting of the Standing Committee held on 29th May 1985, held that Office for the remaining period of the year 1985-86.

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

Thirty nine Meetings including Regular and Adjourned Meetings and Special and Adjourned Meetings were held during the remaining period of the year 1985-86.

EDUCATION COMMITTEE

Shri G. S. Thakre who was elected Chairman of the Education Committee after the General Elections of the Corporation, at the Meeting of the Education Committee held on 27th May 1985, held that office for the remaining period of the year 1985-86.

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

Thirty two Meetings including regular and Adjourned Meetings and Special and Adjourned Special Meetings were held during the year. No Meeting of the Sub-Committee was held during the remaining period of the year 1985-86.

TREE AUTHORITY

No change took place in the composition of the Tree Authority during the year.

Three Meetings of the Tree Authority after the General Elections of the Corporation were held during the remaining period of the year 1985-86.

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

No circumstances arose in this department in which it was necessary to invoke the provisions of the Municipal Servants Act, 1890.

There was no Separate Award of Adjudication during the year 1985-86, so far as this department is concerned.

LIST OF THE COUNCILLORS WHO HELD OFFICE
AS ON 31st MARCH 1986

CORPORATION

Shri C. C. Bhujbal, *Mayor*.

Shri A. W. Patil, Chairman, Standing Committee.

Shri M. R. Naik, Chairman, Improvements Committee.

Shri G. S. Thakare, Chairman, Education Committee.

Shri G. D. Vartak, 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.
Acharya, Shri S. N.
Ayre, Shri V. P.
Ambre, Shri S. S.
Owhal, Shri V. M.
Kadam, Shri P. R.
Kadam, Shri M. T.
Kadam, Shri R. T.
Kadam, Shri V. G.
Kavthe, Shri M. N.
Kawle, Shri D. B.
Kandarkar, Shri D. D.
Kandalgaonkar, Shri I. V.
Keni, Shri R. M.
Korgaonkar, Shri S. G.
Kohli, Shri S. J.
Kolambkar, Shri K. N.
Khadye, Shri V. P.
Khan, Shri F. A.
Khan, Shri R. A.
Khedaskar, Shri M. B.
Gambhir, Shri S. A.
Gala, Shri D. S.
Gawde, Shri D. B.
Gite, Shri A. G.
Gujar, Shri D. D.
Gurav, Shri B. R.
Ghediya, Shri V. P.
Chavan, Shri R. K.
Chavan, Shri V. V.
Chavan, Shri S. S.
Choube, Shri T. V.
Chouhan, Shri B. A.
Chouhan, Shri Lalsingh.
Zaveri, Shri M. I.
Jadhav, Shri K. B.
Jadhav, Shri M. S.
Jawkar, Shri S. G.
Jain, Shri K. H.
Joshi, Shri B. D.
Joshi, Shri R. G.
Zakeria, Shri S. A.
Zarapkar, Shri D. G.
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, Shri H. J.
Thapa, Shri K. T.
Thorat, Shri M. G.
Daruwale, Shri V. M.
Deshpande, Shri S. R.
Desai, Smt. Alka A.
Desai, Shri G. K.
Doshi, Shri U. P.
Dhulla, Shri K. C.
Nalawade, Shri Datta
Naik, Shri D. P.
Naik, Shri S. D.
Nagvekar, Shri V. B.
Nayak, Shri Ramdas.
Narkar, Shri R. P.
Narvekar, Shri V. A.
Narvekar, Shri S. M.
Nerurkar, Shri V. R.
Newrekar, Shri K. R.
Patel, Shri I. G.
Patel, Smt. Indumati T.
Patel, Shri B. M.
Patel, Shri M. I.
Padwal, Shri C. S.
Padwal, Shri H. P.
Parab, Shri J. M.
Pawar, Shri N. B.
Pawar, Shri M. L.
Pawar, Shri R. D.
Pandit, Shri A. G.
Patil, Shri K. R.
Patil, Shri B. H.
Patil, Shri B. A.
Patil, Shri S. B.
Patil, Shri H. K.
Patil, Shri H. L.
Parkeh, Shri M. C. (Expired on 7-9-85).
Pandy, Shri B. N.
Purohit, Shri R. K.
Pednekar, Shri K. S.
Pote, Shri H. M.
Popat, Smt. Prabhaben J.
Prabhoo, Dr. R. Y.
Bastiwala, Shri K. A.
Boudhankar, Dr. R. N.
Balkrishna, Shri S.
Birje, Shri M. D.
Belief, Shri M. M.
Britto, Shri A. R.
Bhanushali, Shri V. V.
Bhave, Shri M. G.
Makwana, Shri I. M.
Matreja, Shri S. M.
Mayekar, Shri R. S.
Mayekar, Shri S. V.
Mahadik, Shri G. S.

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

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

**LIST OF THE MEMBERS OF THE STANDING COMMITTEE
WHO HELD OFFICE AS ON 31ST MARCH 1986.**

Shri Amaranath W. Paul (Chairman).

Konli, Shri S. J.
Gambhir, Shri S. A.
Thakare, Shri G. S.
Nalawade, Shri Datta.
Nagvekar, Shri V. B.
Nayak, Shri Ramdas.
Patel, Smt. Indumati T.
Patel, Shri B. M.

Padwal, Shri C. S.
Pawar, Shri N. B.
Patil, Shri B. H.
Prabho, Dr. R. Y.
Mayekar, Shri S. V.
Mishra, Shri S. M.
Mhatre, Shri P. A.
Laud, Shri R. P.

**LIST OF THE MEMBERS OF THE IMPROVEMENTS COMMITTEE,
WHO HELD OFFICE AS ON 31ST MARCH 1986.**

Shri M. R. Naik, (Chairman).

Shri V. V. Avachat.
Shri S. S. Ambre.
Shri R. M. Kent.
Shri D. G. Zarpkar.
Shri C. R. D cruz.
Smt. Aika A. Desai.
Shri H. P. Padwal.
Shri Sub:amani Balkrishnan.

Shri R. S. Mayekar.
Shri Z. A. Moterwala.
Shri R. W. Raginwar.
Shri N. A. A. L. Vanu.
Shri N. T. Satam.
Shri S. M. Sawant.
Shri C. D. Handure.

**LIST OF THE MEMBERS OF THE EDUCATION COMMITTEE,
WHO HELD OFFICE AS ON 31ST MARCH 1986.**

Shri G. S. Thakare, (Chairman).

Shri S. N. Acharya.
Shri P. R. Kadam.
Shri S. Y. Godbole*
Shri V. V. Chavan.
Shri B. D. Joshi.
Shri R. G. Joshi.
Shri N. S. Thesar.
Shri Y. D. Dode*.

Shri S. M. Narvekar.
Shri M. I. Patel.
Shri A. G. Pandit.
Shri A. A. Bate*.
Shri N. I. M. H. Belif.
Shri M. D. Lotlikar*
Smt. Pushpalata M. Wagle.

* Non-Councillor Members.

**LIST OF THE MEMBERS OF THE TREE AUTHORITY,
WHO HELD OFFICE ON 31ST MARCH 1986.**

Shri C. C. Bhujbal, (Chairman).

Shri A. H. Ankola.
Shri M. G. Joshi*.
Shri K. T. Thapa.
Shri V. M. Daruwala.
Shri K. S. Pednekar.
Shri A. R. Brito.
Shri S. M. Matreja.
Shri S. V. Mayekar.

Shri S. S. Ambre
Shri S. B. Yadav.
Shri R. W. Raginwar.
Shri N. T. Rane.
Shri C. C. Sharma.
Shri S. Kumar L. Shah
Shri S. V. Sampat*
Shri H. M. Hegde.
Shri V. L. Solanki.

* Non-Councillors Co-opted by the Tree Authority.

GENERAL ADMINISTRATION

Preamble :

The Municipal Corporation of Greater Bombay administers over an area of 437.71 sq. kms. to cater to the civic needs of over 8.5 million citizens by employing a work force of about 1,29,000 with a budgetary outlay of Rs: 800 crores.

The two offices which hold the balance of prestige and power in the city government are — the Mayor and the Commissioner. The office of the Mayor combines a functional role of chairmanship which includes moderation and guidance at Corporation Meetings, as well as a ceremonial role with appendages associated, being the First Citizen in the premier city of India. His personality and character, his political background and prestige and the aura of his office help in securing support for his policies as also in influencing the business before the House. Thus, although the Mayor performs a dignifying role in civic life, in actual practice, exercises an area of influence which is not visible to the casual observer. To the individuals and groups within and without the Corporation, the Mayor symbolizes their corporate spirit. Bombay citizens, by and large, have been proud of their Mayors.

The Commissioner, a key figure in the local self government set up — an independent co-ordinate authority is virtually under constant watch by the citizens, the Councillors and even the other officers. Each section looks upon him expectantly for the ideal results in the respective fields of interests, or operation, at the same time looking for his deficiencies, so as to exploit them or use them to attack him. This is so because the Bombay Municipal Corporation Act envisages separation of powers between the deliberative and executive functions making the Municipal Commissioner theoretically an all powerful executive head.

The important issue therefore that confronts the city government is the relationship between the legislative and the policy making bodies on the one side and the executive and the administrative agencies on the other. This involves a healthy adjustment between the principle of democracy and need for an efficient civic administration devoid of politics. It rests on three principles:—

In the first place, it recognizes the distinction between the policy making and the policy execution. Secondly, it entrusts the policy making function to the Corporate Body and the policy execution to a single individual — the Commissioner. Thirdly, it makes the Commissioner more or less independent of the Corporation although the two always work in close co-operation.

The B. M. C. Act of 1888 within the frame work of which the Corporation and the Commissioner function, has specified seven statutory collateral authorities charged with the distinct responsibilities of the city government. Each operates within the limitations set for it. Though the executive authority vests in the Municipal Commissioner the 170 elected representative — the Municipal Councillors do exercise general authority over the civic affairs through budgetary and financial controls by determining taxes and allocating expenditure, approving contracts and other financial proposals and making appointments to senior posts.

Of these seven statutory authorities, five are deliberative, namely the Corporation, the Standing Committee the Improvements Committee, the BEST Committee and the Education Committee, which excepting the Improvements Committee have powers to sanction funds. The remaining two are executive — namely the Municipal Commissioner and the General Manager, BEST Undertaking.

Apart from the four Statutory Committees, the Corporation also appoints five Special Committees, viz., (1) Works Committee (City), (2) Works Committee (Suburbs), (3) Public Health Committee, (4) Markets and Gardens Committee and (5) Law, Revenue and General Purposes Committee which deals with specified subjects. Free-Authority — consist of 15 Councillor Members.

The centralized Administrative system came in for reorganisation in 1964 when for the first time, the de-centralized pattern was introduced. Its object is to speed up disposal, improve efficiency and effect economy.

In pursuance of this policy decision, the entire city is divided into five administrative zones with 23 wards. The five zones are supervised by the Deputy Municipal Commissioners with a certain number of Ward Officers working under them. In all there are nine Deputy Municipal Commissioners, five territorial and four functional. While the territorial D. M. Cs. are in charge of certain wards, the functional D. M. Cs. are in charge of certain important departments. There is no rigid watertight compartment system in their functions and sometimes the functional D. M. Cs. are also asked to be in charge of some of the Wards depending upon the exigencies of work in the Corporation. One of the functional D. M. Cs. is upgraded and designated as the Director, Engineering Services and Projects.

In its chequered history of 112 years, for the first time the Municipal Corporation of Greater Bombay was dissolved by the State Government under Maharashtra Act No. VII of 30th March 1984 as a result of which the elective element went out of office from 1st April 1984 upto 10th May 1985 till forenoon and the then Municipal Commissioner assumed the role of Administrator and exercised all powers and performed all duties of the Corporation. It is also for the first time, that during this period, two Additional Municipal Commissioners, were appointed to assist the Commissioner in the overall management of the Administration.

After the eighth Municipal General Elections to the Corporation in April 1985, the elective element came into life again from 10th May 1985 with an added strength of 30 Councillors making the total number of Councillors 170.

In consequence of this, the administrative apparatus reverted back to its original status, the Municipal Commissioner exercising the powers vested in him by the Bombay Municipal Corporation Act. The two Additional Municipal Commissioners continue to assist him and generally exercise supervisory control over the Administration.

**"Department of Personnel and Administrative Reforms (Previously Central Personnel Agency)
including Organisation and Methods Division of M. C.'s office."**

The Organisation & Methods Division is working since 1957 to adopt various methods and systems of working and organise the same in various departments of the Corporation. The Organisation and Methods Division in M. C.'s office, which was included in Central Personnel Agency, has now been merged into the newly established Department of Personnel & Administrative Reforms.

The main functions expected to be carried out by D. P. A. R. are; (i) to effectively control and provide policy frame work and set of rules and procedures in all personnel matters, and (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.

During the year the following activities were carried out:

1. **Standardisation of Forms, Registers, Qualifications, Duties etc., for various posts :**
Standardisation of forms and Registers was done as and when required by various departments. Standardisation of qualifications/duties for the posts of similar nomenclature and methods and recruitment has been done. The work of compendium is in process. This department had conducted the tests in typing, short-hand, trade tests of Technical staff etc., from time-to-time.
2. **Use of Marathi language :**
A separate Marathi Section is established with necessary staff to fulfill the requirements as per directions of State Government and the Corporation.
The work of translating into Marathi Version of drafts, notes qualifications, technical terms, names of departments and offices, etc., was done by this department.
3. **Method study and case study :**
This department examined 832 cases that were referred for scrutiny and study of the **additional** staff required for the existing services and/or the enhanced services.
4. **Compilation of Important circulars, book-lets etc. :**
Compilation of important circulars, issued by M. C.'s office and then printing in the form of book-let is a periodical work assigned to this department.
5. **Inspection :**
The inspection of various offices and the surprise visits for checking of attendance of the staff was regularly carried out by the staff of this department. Collection of data required for revision of grades and other ancillary schemes for grant of benefits to the employee is also attended by this staff during inspection.
6. **General :**
 - (i) Formation of Committees at appropriate levels for :
 - (a) Deciding suitability for promotions.
 - (b) continuation in service beyond 55 years.
 - (c) redressal of grievances of the employees.
 - (d) establishing panels for recruitment and selection of staff to various categories.
 - (ii) Revision of recruitment rules to provide reservation for children of municipal employees, sportsmen, Handicapped Persons, ex-servicemen, P. T. Cases, reserved categories, etc.

(iii) A regular programme for meeting at fixed intervals with (i) Officers dealing with Personnel Matters in all departments to monitor implementation of personnel policies (ii) representation of the recognised unions to settle disputes of general nature.

(iv) Agreement has been reached with the unions for carrying out Job-evaluation exercise covering about 1,200 jobs and more than 1 lakh employees which is a unique exercise of this kind and magnitude to be undertaken in any Govt./Semi Govt. Organisation.

As soon as the appointment of the Consultant is approved by the Standing Committee, the exercise will be launched.

(v) Some of the Chronical issues like equi-gradation of Junior Engineers, bringing family welfare staff on municipal grades, revision of various allowances like washing allowance, unclean work allowance, messing allowance, Uniform allowance, N. D. A., etc., the demands to reschedule duty hours of Nursing staff, more promotional avenues for subordinate staff and peons, change of birth dates, etc., have been settled through bilateral negotiations and by evolving a policy frame work.

(vi) Procedural improvements have been brought about by introducing model guide-booklets and standardised forms to expedite :

(a) Settlement of P. F. Pension Claims.

(b) Enquiry proceedings.

(c) Proposals for continuation of temporary posts.

(d) Vacancy reports of Corporation.

(vii) The System of maintenance of Confidential records has been streamlined and further consolidation work and introduction of improved system of performance appraisal is to be undertaken.

The system of consideration of appeals against the adverse confidential records has been introduced.

(viii) The total number of proposals of furniture and equipments etc., scrutinised was 454.

(ix) The work of absorption of retrenched staff of temporary Election Department, in Municipal service as per the norms accepted by the Corporation was undertaken.

All matters involving personnel policies and/or proposals like Medical Aid, revision of grades, allowances, and other demands are attended by this Department.

Administrative Office/Municipal Commissioner's Office.
as on 1-4-86.

The designation and names of the Officers holding the post of Municipal Commissioner, Additional Municipal Commissioner, Director (Engineering Services & Projects) and Dy. Municipal Commissioner, 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.	Remarks.
1.	Administrator & Municipal Commissioner.	Shri J. G. Kanga, I. A. S.	M. A. (Harward) LL.B.	1-4-85 to 10-5-85	
1A.	Municipal Commissioner.	Shri J. G. Kanga, I.A.S.	M. A. (Harward) LL.B.	11-5-85 to 31-3-86	
2.	Additional— Municipal Commissioner.	Shri D. S. Soman, I. P. S.	M. A.	1-4-85 to 30-4-85	Repatriated to Government of Maharashtra from 1-5-85.
		Shri S. Ramamurthi, I. P. S.	B. A. (Hons.)	1-5-85 to 31-3-86	Appointed as Additional Muni-
3.	Additional — Municipal Commissioner.	Shri D. K. Afzulpurkar, I. A. S.	M. Sc.	1-4-85 to 2-8-85	Repatriated to Govt. of Maharashtra from 3-8-85.
		Shri A. M. Warty, I.A.S.	B. Sc.	3-8-85 to 31-3-86	Appointed as Addl. M. C. from 3-8-85.
4.	Director (Engineering Services & Projects).	Shri J. R. Patwardhan.	B. E. (Civil) M.E. (P.H.) A.M.I.E.	1-4-85 to 31-3-86	
5.	Dy. Municipal Commissioner (Impts.)	Shri P. P. Kamdar.	B. A. (Spl.) B.Com., LL.B.	1-4-85 to 31-3-86	
6.	Dy. Municipal Commissioner (Personnel)	Shri V. D. Vaidya	B.A. (Spl.), M. Com.	1-4-85 to 16-9-85	
		Shri P. D. Karandikar, I. A. S.	M. A. (Spl.) & Diploma in Industrial Business Management.	17-9-85 to 31-3-86	
7.	Dy. Municipal Commissioner (Special Engineering).	Shri K. D. Mulekar.	B. E. (Civil) M.E. (P.H.) F.E.I.	1-4-85 to 31-12-85	Retired from Municipal Service from 1-1-86.
8.	Dy. Municipal Commissioner (Zone-I).	Shri A. B. Maduskar.	M.Com. (Bom.) Cost Accountancy.	1-4-85 to 26-2-86	
		Shri P. D. Karandikar, I. A. S.	M. A. (Spl.), & Diploma in Industrial Business Management.	26-7-85 to 16-9-85	Appointed as Dy. M. C. from 26-7-85.
		Dr. D. A. Pinto.	M. A.	17-9-85 to 31-3-86	Appointed as Dy. M. C. from 17-9-85.
9.	Dy. Municipal Commissioner (Zone-II).	Shri Ramanand Tiwari, I.A.S.		1-4-85 to 16-9-85	Appointed as Dy. M.C. from 1-4-85.
		Shri V. D. Vaidya.	B.A.(Spl.)M.Com.	17-9-85 to 31-3-86	
10.	Dy. Municipal Commissioner (Zone-IV)	Shri M. P. Nerkar.	B.E. (Civil) M.E. (P.H.)	1-4-85 to 31-3-86	
11.	Dy. Municipal Commissioner (Zone-V).	Shri D. C. Desai.	B. Sc. (Agri.) Distn. LL.B.	1-4-85 to 31-3-86	

Other Heads of Departments during the period from 1-4-85 to 31-3-86.

Sr. No.	Designation.	Name of the Officer.	Qualification.	Period.	Remarks.
1.	Personal Secretary to the Administrator.	Shri V. K. Marathe.	M. A. ,	1-4-85 to 31-8-85	Retired with effect from 1-9-85 (B. N.).
		Shri R. V. Joshi	B.A., L.S.G.D., L. G. S.	1-11-85 to 31-3-86	Appointed as P. S. to M. C. from 1-11-85.
2.	Personal Assistant to the Municipal Commissioner.	Shri D. R. Kubal.	Matric, L.S.G.D., L. G. S.	2-5-85 to 31-3-86	Appointed as P. A. to M. C. from 2-5-85.
3.	Personal Secretary to the Addl. Municipal Commissioner (W).	Shri V. S. Gokhale	B.A. (Spl.) L.S.G.D. Pravin, LL.B.	1-4-85 to 31-3-86	
4.	Personal Secretary to the Additional Municipal Commissioner (R).	Shri P. K. Hirlekar.	B.A., L.S.G.D.	1-4-85 to 31-3-86	
5.	Officer on Special Duty Personnel Officer.	Shri V. S. Morye.	B. A. (Hons.).	1-4-85 to 31-3-86	
6.	Administrative Officer (Committee).	Shri D. D. Raje.	Matric, L.S.G.D.	1-4-85 to 31-3-86	
7.	Dy. City Engineer (Vigilance).	Shri G. A. Redkar.	B. E. (Civil)	1-4-85 to 31-3-86	
8.	Sr. Ward Officer (Spl. Officer B.C. Cell).	Shri Y. A. Nadkar.	D.C.E., A.M.I.E., M. I. E. I.	1-4-85 to 31-3-86	
9.	Officer on Special Duty (Mayor)	Shri H. S. Maniyar.	B. E. (Civil)	15-7-85 to 31-3-86	Appointed as O. S. D. (Mayor) with effect from 15-7-85
10.	A. O. (Personnel).	Shri N. M. Vaidya.	Inter Arts, L.S.G.D.	8-4-85 to 31-3-86	
11.	A. O. to D. M. C. (Z-I)	Shri S. B. Choubal	S. S. C.	1-4-85 to 31-11-85	Retired with effect from 1-12-85.
		Shri R. M. Bhagwat.	S. S. C.	1-12-85 to 31-3-86	
12.	A.O. to D.M.C. (Z-II)	Shri P. B. Adhikari.	S.S.C., L.S.G.D., L.G.S.	1-4-85 to 31-3-86	
13.	A.O. to D.M.C. (Z-IV)	Shri V. V. Chitre.	S.S.C., L.S.G.D., L.G.S.	1-4-85 to 30-11-85	
		Shri J. A. S. Pinto.	B. Sc. (Hons.)	1-12-85 to 31-3-86	
14.	A. O. to D.M.C. (Z-V)	Shri S. A. Ranade.	B.A., L.S.G.D.	1-4-85 to 31-8-85	Retired with effect from 1-9-85.
		Shri H. A. Deshmukh.	S.S.C., L.S.G.D.	2-9-85 to 31-3-86	Appointed as A. O. to D.M.C. (Z-V) from 2-9-85.
15.	A. O. to D. M. C. (P)	Shri P. V. Malshe.	M. A. (Hons.)	1-4-85 to 31-3-86.	

Sr. No.	Designation	Name of Officer and Qualification	Period		Remarks
			From	To	
1.	2.	3.	4.	5.	6.
1.	Municipal Chief Auditor	Shri R. G. Nabar, M.Com.	1-4-85	30-9-85	Superannuated from 1-10-85 after Office Hours.
2.		Shri T. K. Karve, B.Sc., D.Com., (I.M.C.) L.G.S.	1-10-85	23-3-86	He was on 13 days E. L. from 24-3-86 to 5-4-86.
		Shri B. B. Desai, B.Com., L.G.S.	24-3-86	31-3-86	
OTHER HEADS OF THE DEPARTMENTS					
1.	City Engineer	Shri S. M. Parulkar, B.E. (Civil), A.M.I.E.	1-4-85	31-1-86	He was on leave from 15-11-85 to 31-1-86 and retired voluntarily from 31-1-86 After duty hours.
		Shri P. M. Kale, B.E. (Civil)	1-2-86	31-3-86	He also looked after the work during leave period of Shri Parulkar.
2.	Chief Accountant	Shri V. W. Joshi, M.Com., L.G.S.	9-5-85	31-3-86	The post was vacant from 1-4-85 to 8-5-85 and the work was being attended by Shri V. W. Joshi during above period.
2A	Joint Chief Accountant	Shri V. W. Joshi, M.Com., L.G.S.	1-4-85	8-5-85	Appointed as Chief Accountant from 9-5-85 and the post of Jt. Chief Accountant was vacant from 9-5-85 to 31-3-1986.
3.	Hydraulic Engineer	Shri R. L. Amar, B.E. (Civil), A.M.I.E.	1-4-85	31-12-85	Retired on account of Superannuation w.e.f. 31-12-85 after office hours.
		Shri R. G. Deshpande, B.E. (Civil), M.E. (P.H.), A.M.I.E. (India).	1-1-86	31-3-86	Appointed as Ag. H. E. in place of Shri Amar, H. E. retired.
4.	Ex. Health Officer	Dr. S. S. Sabnis, M.B.B.S., D.P.H.	1-4-85	31-3-86	Throughout the year.
5.	Dean K. E. M. Hospital & G. S. M. College.	Dr. G. B. Parulkar, M. S., F.A.C.A., F.A.M.S., F.A.S.C.	1-4-85	31-3-86	Throughout the year.
6.	Dean B. Y. L. Nair Ch. Hospital & T.N.M. College.	Dr. B. R. Kalke, M.B. (Bom), M.S. F.C.P.S., F.I.C.A., Ph.D. (USA).	1-4-85	30-11-85	Retired from 1-12-85.
		Dr. (Mrs.) V. M. Divekar, B.Sc., M.B.B.S., D.A. (Loud) M.D. (Bom).	2-12-85	20-2-86	Looking after the work of Dean.
		Dr. (Mrs.) P. M. Pai, M.D., D.Ch.	21-2-86	31-3-86	
7.	Dean L.T.M.G. Hospital & L.T.M.M. College.	Dr. N. A. Dabholkar, M.D.,	1-4-86	23-2-86	From 24-2-86 Dr. N. A. Dabholkar was relieved off his additional charge of Dean.
		Dr. S. V. Nadkarni, M.S. (Gen. Surg).	24-2-86	31-3-86	
8.	Dean Nair Hospital Dental College.	Dr. D. R. Shahani, M.D.S., M.R.S.H. (England), F.I.C.D.	1-4-85	31-3-86	Through out the year.
9.	Chief Fire Officer	Shri V. B. Nikam, B.Sc. (Hons), Overseas, Sr. Com. Sc., (U.K.) A. M. N.F.S.C. (Hons), B.D.C. (Hons).	1-4-85	31-3-86	Through out the year
10.	Medical Supdt. (G.T.B. Hospital)	Dr. A. P. Rao, M.D., T.D.D., F.C.C.P. (U.S.A.), M.I.P.H.A. (Cal).	1-4-85	31-3-86	Through out the year.
11.	Assessor and Collector	Shri B. B. Pol, B.A. (Spl) Pravin L.S.G.D.	1-4-85	30-11-85	Retired from 30-11-85 after office hours.
		Shri M. M. Bhagwat, B.Sc. L.S.G.D., L.L.B., G.C.D.	1-12-85	28-2-86	Retired from 28-2-86 after office hours.
		Shri D. R. Joshi, B.A. (Spl), L.S.G.D.	1-3-86	31-3-86	
12.	Education Officer	Smt. K. N. Kamat, M.A., M.Ed.	1-4-85	30-11-85	She was retired from 1-12-85.
		Smt. S. V. Pandit, M.A., M.Ed., Ed. S. (U.S.A.)	2-12-85	31-3-86	1-12-85 being Sunday Smt. Pandit was appointed on 2-12-85.

1	2	3	4	5	6
13.	Law Officer	Smt. M. V. Shetty, B.A., LL.B.	1-4-85	31-3-86	Throughout the year.
14.	Chief Engineer (Water Supply Project)	Shri V. S. Navathe, B.E. (Civil)	1-4-85	31-3-86	Through out the year.
14A.	Chief Engineer (Sewerage Project)	Shri V. G. Sawant, B.E. (Civil)	1-4-85 15-9-85	4-8-85 31-3-86	He was on leave for 41 days from 5-8-85 to 14-9-85.
		Shri P. M. Kale, B.E. (Civil)	5-8-85	14-9-85	He was working as Ch. Eng. (SP) I/c.
14B	Chief Engineer (Common Service)	Shri J. D. Pradhan, B.E. (Civil) A.M.I.E.	1-4-85	30-11-85	Retired on 30-11-85 after-duty hours.
		Shri R. K. Awadhani, B.E. (Civil).	1-12-85	31-12-85	Substitute arrangement was made.
		Shri Y. V. Damle, B.E. (Civil), M.E. (Public Health).	1-1-86	31-3-86	
15.	Controller of Stores	Shri V. Y. Kale, B.E. (Civil).	1-4-85	31-3-86	Throughtout the year.
16.	Supdt. of Markets and Slaughter houses.	—	—	—	Vacant since 1975.
16A.	General Manager Deonar Abattoir	Dr. S. N. Brahme, BSc. (Vet)	1-4-85	3-5-85	He was on leave on Medical ground from 13-2-85. Expired on 4-5-85.
		Dr. A. A. Padalkar, B.Sc. (Vet)	13-2-85	31-3-86	He looked after the duties of General Manager during the Dr. Brahme's leave as above on charge allowance. He was appointed as General Manager from 17-10-85.
16B	Ward Officer (Market)	Shri M. D. Sharma, B.E. (Civil).	1-4-85	22-9-85	He was transfered to 'S' Ward from 23-9-85.
		Shri G. R. Khairnar, B. Com.	23-9-85	31-3-86	
17.	Administrative Officer (Enquiries).	Shri C. S. Karve, B.A. L.L.B.	1-4-85	31-3-86	Throughtout the year.
18.	Security Officer	Shri V. T. Davare, B.A. (Hons.) L.G.S.	1-4-85	31-3-86	Throughout the year.
19.	Sr. Ward Officer (Estate)	Shri R. B. Veturkar, B.A. (Hons).	1-4-85	30-4-85	He was transfered and appointed as P.S. to M.C. from 1-5-85.
		Shri D. D. Dighe, B.A., L.S.G.D., L.G.S.	1-5-85	31-3-86	
20.	Labour Officer	Shri N. G. Kalme, M.A. (S.W.).	1-4-85	31-3-86	Throughout the year.
21.	Public relation Officer & Editor Civic Journal.	Shri J. B. Mahajan, M.A., L.L.B.	1-4-85	31-3-86	Throughout the year.
22.	Additional Assessor & Collector.	Shri M. M. Bhahwat, B.Sc., L.S.G.D., L.L.B., G.C.D.,	1-4-85	30-11-85	He was promoted as A & C from 1-12-85
		Shri D. R. Joshi, B.A. (Spl.), L.S.G.D.	1-12-85 26-2-86	25-2-86 31-3-86	Vacant.
23.	Superintendent of Licence	Shri I. A. Chougule, S.S.C., L.S.G.D.	1-4-85	31-3-86	Throughout the year.
24.	Superintendent of Garden	Shri J. C. Garkhel, B.Sc. (Hons.) (Agri)	1-4-85	31-3-86	Throughout the year.
25.	Manager, Municipal Printing Press.	Shri M. M. Kamat, Printing Technology, D.B.M.	1-4-85	31-3-86	Throughout the year.
26.	Assistant Medical Officer (E.N.T. Hospital)	Dr. (Smt.) S. C. Basur, M.B.B.S., D.G.O.	1-4-85 3-11-85	2-10-85 31-3-86	She was on leave from 3-10-85 to 2-11-85.
		Dr. J. Z. Naik, M.B.B.S., M.S. (ENT).	3-10-85	2-11-85	During above leave period, Dr. J. Z. Naik was looking after the work of A. M. O.
27.	Curator, Dr. B.D. Lad, Musium & Chief Librarian	Shri V. N. Berve, B.A. (Hons.), L.S.G.D. (Pravin Hind)	1-4-85	28-2-86	Retired from Municipal Service on 28-2-86 after duty hours.
		Shri M. D. Mistry, S. S. C.	1-3-86	31-3-86	
28.	Manager, Mahatma Gandhi, Memorial Olympic Swimming Pool.	Shri R. S. Rane, S.S.C., L.S.G., L.G.S.	1-4-85	31-3-86	Throughout the year.
29.	Manager, Raja Baldevdas Birla Kreedas Kendra.	Shri b. P. Desai, B.A., L.L.B.	1-4-85	31-3-86	Throughout the year.

SUBURBS AND EXTENDED SUBURBS

Sr. No.	Designation	Name of the Officer & Qualification	Period		Remarks
			From	to	
1.	Dy. Ex. Health Officer (Western Suburbs).	—	—	—	Post vacant from 1-4-85
	Dy. Ex. Health Officer (Eastern Suburbs)	Dr. A. A. Shaikh, M.B.B.S., D.P.H.	1-4-85	31-3-86	Throughout the year.
2.	Dy. Assessor & Collector (Eastren Suburbs).	Shri S. D. Madiwale, S. S. C., Pravin L.S.G.D.	1-4-85	28-2-86	He was transferred to Western Suburbs from 1-3-86.
		Shri H. M. Shah, B.A., (Hons) L.L.B.	1-3-86	31-3-86	
3.	Dy. Assessor & Collector (Westren Suburbs)	Shri D. R. Joshi, B.A.(Spl) L.S.G.D	1-4-85	25-2-86	He was promoted as A & C from 1-3-86.
			26-2-86	28-2-86	Vacant.
		Shri S. D. Madiwale, S. S. C., Pravin, L.S.G.D.	1-3-86	31-3-86	
4.	Dy. Supdt. of market, (Westren Suburbs) III.	Shri B. V. Nevrekar, B.A.(Spl), L.S.G.D. L.G.S., S.I.	1-4-85	31-3-86	Throughout the year.
	Dy. Supdt. of Market, (Western Suburbs) IV.	Shri G. N. Malankar, B.A.(Spl), Meat Inspection Course.	1-4-85	31-3-86	Throughout the year.
5.	Dy. Supdt. of Market, (Eastren Suburbs).	Shri C. S. Bendre, S. S. C., C.I.	1-4-85	31-3-86	Throughout the year.

Sr. W. O./Ward Officer's upto 31-3-86.

Sr. No.	Name.	Designation.	Remarks.
1.	Shri K. M. Jogiekar.	Sr. Ward Officer.	
2.	Shri V. B. Kadam.	---	
3.	Shri V. Balchandran	---	
4.	Shri S. B. Muthalia.	---	
5.	Shri G. R. Khairnar.	---	
6.	Shri Y. A. Nadkar.	---	
7.	Shri S. R. Dange.	---	
8.	Shri D. D. Jadhav.	Ward Officer.	
9.	Shri C. K. Ghone.	---	
10.	Shri M. C. Gandhi.	---	
11.	Shri N. M. Puppalwar.	---	
12.	Shri S. R. Upadhyay.	---	
13.	Shri A. Y. Kulkarni.	---	
14.	Shri A. N. Dube.	---	
15.	Shri N. B. Salunke.	---	
16.	Shri V. S. Jadhav.	---	
17.	Shri G. B. Prasad	---	
18.	Shri H. L. Gangawani.	---	
19.	Shri M. D. Sharma.	---	
20.	Shri I. L. Darji.	---	
21.	Shri S. P. Ghaste.	---	
22.	Shri R. B. Veturkar.	---	Working as P. S. to M. C. from 2-5-85.
23.	Shri S. T. Todsam.	---	

CENTRAL CONTROL ROOM

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

The total number of complaints registered and followed up during the year under report was 2437 as detailed in the accompanying statement as against 1635 in the preceding year.

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

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

Complaints Officer
(Central Control Room)

(D. F. Ichhaporia)
Ward Officer 'B' Ward I/c.

BRIHANMUMBAI MAHANAGARPALIKA

Ward	Drain- age.	Buil- dings.	Water Works	Road	Refuse	P.C.O. (Rat & Mosquito)	Licence	Stray dogs.	Fire	Miscell- aneous (Carcass, Monkey, etc)	Flood- ing.	Total
A	28	59	5	2	18	3	2	8	12	50	11	198
B	122	85	4	7	46	1	6	1	10	67	7	356
C	40	114	9	7	29	—	4	3	7	7	13	233
D	79	91	9	8	23	—	2	8	10	37	29	296
E	43	88	5	7	29	1	6	2	21	26	18	246
F/South	23	37	2	6	6	—	1	2	12	19	18	126
F/North	24	12	3	13	14	2	2	10	7	34	16	137
G/South	40	24	8	2	4	2	3	3	6	21	24	137
G/North	29	46	1	4	8	—	4	8	6	21	8	135
H/East	2	4	—	1	—	—	3	5	3	11	—	29
H/West	18	12	7	—	6	2	2	2	4	25	6	84
K/East	3	10	3	2	5	1	1	6	15	14	4	64
K/West	12	14	3	6	1	—	2	6	9	19	6	78
L	4	17	—	1	—	2	—	2	10	8	1	45
M/East	3	2	1	—	—	1	4	1	5	6	—	23
M/West	2	10	3	1	—	—	3	1	3	13	1	37
N	4	7	3	1	2	1	—	1	6	13	1	39
P/South	—	4	3	1	2	—	1	1	11	3	—	26
P/North	3	17	2	—	—	—	—	—	12	4	2	40
R/South	1	6	1	—	—	—	2	1	4	—	—	15
R/North	—	11	2	—	—	1	1	2	10	7	1	35
S	1	7	1	1	2	—	2	3	2	11	—	30
T	2	2	2	1	—	1	1	1	8	9	1	28
Total	483	679	77	71	196	18	52	77	193	425	167	2437

PUBLIC RELATIONS DEPARTMENT & BRIHANMUMBAI MAHANAGARPALIKA PATRIKA

Shri J. B. Mahajan, M.A., L.L.B., was Public Relations Officer and Editor, Brihanmumbai Mahanagarपालिका Patrika, during the year 1985-86.

The department effected publicity about the various activities and services rendered by different Municipal departments, functioned as a liaison between the members of the public and the various civic departments and acted as a clearing house in respect of criticism and suggestions appearing in local newspapers. It also carried out Health Education work and dissemination of information about Municipal activities to the public through various media.

The information counter at the Municipal Head Office Extension building continued to give necessary guidance and information to the public in addition to the carrying out of sale of various civic publications.

The Civic Diary 1986 and the Civic Guide 1986 containing useful information on civic affairs were brought out with offset printing in attractive form in English and Marathi. Other publications included the list of Municipal Councillors and Officers and pocket book of important Telephone Numbers. In addition to this, P. R. O.'s department extended active co-operation to Municipal Secretary in bringing out multi-colour Municipal Year Book 1985-86 in an attractive form. Special publicity material, such as posters, folders, etc. on various civic activities were also prepared and distributed to the Institutions and individuals all over Greater Bombay.

PROTOCOL LIAISON AND EXHIBITIONS.

One of the major functions of this department is to make proper arrangements of V. I. P. visitors visiting the Metropolis of Mumbai.

During the year under report as many as 374 Dignitaries from India as well as from foreign countries have visited this Corporation. Amongst them to mention a few were 8 members of Parliamentary Delegation of Finland headed by Mr. Per Stenback, Senior citizens of the City of Toronto, Canada, 4 Leningrad Medical Specialists from U. S. S. R. A team of eleven Japanese garden experts from the City Council of Yokohama headed by Shri Mikiya Imazeki, City Official and Mr. Seiji Kojima, Director was in this city for about two months for constructing a Japanese Garden at Veermata Jijabai Bhosle Udyan as an exchange programme of Sister City Relationship. Necessary arrangements were made for this team as well as for Massao Iwamoto, Vice President of Yokohama who had come to Mumbai for the inauguration of the Garden on 7th February 1986.

This department also participated in Silver Jubilee Celebration of the Maharashtra State by presenting a civic float in the parade at Shivaji Park on 1st May 1985. It again took part in the Republic Day Parade 1986 at Shivaji Park by presenting a civic float which was awarded third prize. In addition to this the department organised an health exhibition at the Mount Mary Fair, Bandra in September 1985. So also six exhibitions were arranged at the sites of Health Camps organised by the Health Department in the month of February-March 1985. The Civic Health Museum established by this department at Birla Kreedha Kendra, Chowpatty was visited by a large number of citizens of Mumbai. However, the same has now been handed over to the Education Department and shifted to the Manmala Tank Municipal School, Mahim for maintenance.

PRESS RELEASE

A Press room equipped with lockers, telephone, typewriter etc. was continued to be provided for the use of press reporters. During the year 1985-86, 50 Press Conferences and 16 Press Visits to the Municipal Institutions and installations were arranged for dissemination of information relating to civic services, activities, programmes etc. Press handouts giving information about various civic matters and rejoinders in reply to the criticism suggestions etc. appearing in newspapers, were also issued promptly.

SPECIAL ACTIVITIES

In addition to the usual cleansing campaigns, special campaigns for Civic Health Camps were carried out extensively and sustained educative propaganda was undertaken through various media of publicity. Besides, the department also assisted the Municipal Secretary in organising the annual Clean Mumbai, Green Mumbai competitions so also the open tournaments in Kabaddi, Kho-kho and Wrestling for the Mayor's Shield and Executive Committee Meeting of the All India Mayor's Council. Similarly due publicity was given to various civic functions.

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

BRIHANMUMBAI MAHANAGARPALIKA PATRIKA

Shri J. B. Mahajan, M.A.L.L.B., the Public Relations Officer of the Corporation worked also as Editor of Brihanmumbai Mahanagarpalika Patrika during the year 1985-86.

The nomenclature of the 'Bombay Civic Journal', an official monthly journal of the Corporation established since March 1954 was changed as 'Brihanmumbai Mahanagarpalika Patrika' during this year in November 1985.

Efforts were made to extend the scope of the journal and widen the appeal by replacing old features with new ones. Marathi Section of the journal was given more importance and tried to cover all Municipal events with photo-features. The Patrika is read by non-Maharashtrians and also subscribed by Municipalities and various institutions outside Maharashtra hence English coverage was also given due place in its English Section.

Multi-colour cover printing was a characteristic feature of the patrika during this year. A multi-colour miniature painting from Bhau Daji Lad Museum and award winning float of the Corporation were given on the covers of Patrika in the month of November 1985 and January 1986. Photographs of old Mumbai are also being given on the second and third cover pages of Patrika since January 1986.

(1) Municipal General Elections 1985, (2) Silver Jubilee of the formation of Maharashtra State, (3) Introducing of Japanese style garden at Bhosle Udyan and (4) Beautification of the Hutatma Chowk were among the important events published in the Patrika during the year under review.

Municipal General Elections 1985 were held on 25th April 1985 to elect 170 Municipal Councillors from Brihanmumbai. An historical account of the elections from 1973 to 1985 was published in the Marathi Section of the Patrika. In English Section the results were published giving the details of the votes polled, percentage of voting etc. Photographs of all elected Councillors were published in Patrika for the information of the readers.

Maharashtra State celebrated Silver Jubilee of its formation on 1st May 1985. The Patrika published in full details the progress made by Mumbai Corporation for 25 years from 1960 to 1985 in providing amenities to the citizens.

A Japanese Style Garden first of its kind in Mumbai constructed by Yokohama City Landscape Consortium on behalf of City of Yokohama at the centrally located Veermata Jijabai Bhosle Udyan, Byculla and jointly inaugurated on 7-2-1986 by the Mayor of Mumbai, Shri Chhagan Bhujbal and Dr. Massao Iwamoto, Vice President of the City Council of Yokohama was given due coverage in the Patrika.

Beautification of the surroundings of the Hutatma Chowk, a major event in making 'Sundar Mumbai — Green Mumbai' was highlighted in details.

In other issues of the Patrika various articles pertaining to civic affairs and details of other events were published in Patrika to enlighten the readers of the activities of the Corporation. Besides, other events such as, World Environment day, Out-reach Health Services Scheme, Civic reception to Baba Amte, Centenary celebration of Indian National Congress, Civic reception to Shri S. M. Joshi, Clean Mumbai — Green Mumbai Competition, Conference of All India Mayors' Council and Mayor's Shield All India Tournaments of Kabbadi, Kho-Kho and Wrestling were given due publicity in the patrika.

BACKWARD CLASS CELL

The Backward Class Cell has come into existence and is put under the control and supervision of D. M. C. (P) with a Special Officer in charge of the Cell with a view to checking whether the Government policies with regards to reservation of vacancies for Backward Class Communities as per prescribed percentage in the matter of recruitment and at the stage of promotion are being implemented effectively in the Corporation.

During the year under report, the statistical information regarding total number of employees working in the Corporation including No. of Scheduled Caste, Scheduled Tribe, D. T./N. T. and other Backward Class employees therein working in the Corporation was collected gradewise (computerised and non-computerised) and submitted to Legislature Committee on the welfare for Scheduled Caste in their meeting held on 25th February 1986 as desired by the Committee. The details of No. of employees and Scheduled Caste, Scheduled Tribes, Denotified Tribe/Nomadic Tribe and Other Backward Class employees working in the Corporation computerised and non-computerised are at appendices 1 to 6.

Besides, the department collects periodical and other information regarding recruitment and promotion of Backward Classes from various departments of the Corporation as required by the Government from time to time and quarterly report is submitted to the Government periodically. Similarly six-monthly reports regarding appointment of Backward Class persons by recruitment and promotion in the Corporation are also submitted to the Corporation periodically.

During the year under report, 221 proposals involving the question of reservation, were referred to the Cell for advice, scrutiny etc.

22 complaints and grievances of Backward Class employees about the reservations, promotion, seniority etc. were attended to by the department.

Ward Officer (Special Officer for Backward Classes) serves as a member on the panel of recruitment of Apprentice Clerk, Teacher etc.

SR. WARD OFFICER
(SPECIAL OFFICER FOR BACKWARD CLASSES)

APPENDIX—1.

Statement showing the total No. of employees on Computerised Pay Roll and Scheduled Caste, Scheduled Tribe, Denotified Tribe-Nomadic Tribe and Other Backward Class employees therein and their percentage.

Total No. of Employees.	S. C.	Per-centage.	Back-log.	S. T.	Per-centage.	Back-log.	D. T./N. T.	Per-centage.	Back-log.	O. B. C.	Per-centage.	Back-log.
110417	26575	24.07	+11.07	558	0.51	-6.49	275	0.25	-3.75	0	—	-10.00

APPENDIX—2.

Statement showing the backlog in staff on Non-Computerised Pay Roll in Govt. Pay Scales of Family Welfare Unit.

Sr. No.	Name of the post and Grade	Total posts	Posts filled in	Reservation re-quired			No. of B. C. per-appointed			Backlog			Remarks
				S.C.	S.T.	D.T./N.T.	S.C.	S.T.	D.T./N.T.	S.C.	S.T.	D.T./N.T.	
1.	Full Time Medical Officer. (Rs. 325—880)	62	58	8	5	3	—	—	—	8	5	3	
2.	Female Field Worker. (Rs. 180—215)	58	52	7	4	2	7	—	—	—	4	2	
3.	Co-ordinator (Rs. 145-240)	63	40	5	3	2	8	0	0	—	3	2	
4.	Clerk-cum-Store-Keeper-cum-Accountant (Rs. 115-215).	65	65	9	5	3	4	—	—	5	5	3	
5.	Auxilliary Nurse (male). (Rs. 180—215)	9	8	2	1	1	2	—	—	—	1	1	

APPENDIX—3.

Statement showing the backlog in staff on Non-Computerised Pay-Roll in Govt. Pay Scales of Secondary Schools.

Sr. No.	Name of the post and Grade	Total posts	Posts filled in	Reservation required sons			No. of B. C. per- appointed			Backlog			Remarks
				S.C.	S.T.	D.T./ N.T.	S.C.	S.T.	D.T./ N.T.	S.C.	S.T.	D.T./ N.T.	
1.	Head Master. (Rs. 950—1150)	50	50	7	4	2	4	1	1	3	3	1	
2.	Asstt. Head Master. (Rs. 600—950).	52	52	8	5	2	2	—	1	6	5	1	
3.	Supervisor—Teacher. (Rs. 365—760) (Rs. 290—570).	2507	2507	326	176	101	116	15	10	210	161	91	
4.	Sr. Clerk — Jr. Clerk. (Rs. 335-680) (260-495).	155	155	20	11	7	13	1	0	7	10	7	
5.	IVth Class employees.	406	406	53	29	17	140	13	4	—	16	13	

APPENDIX—4.

Statement showing the backlog in staff on non-computerised Pay-Roll in U. G. S. Scales.

Sr. No.	Name of the post and Grade	Total posts	Posts filled in	Reservation re- quired sons			No. of B. C. per- appointed			Backlog			Remarks
				S.C.	S.T.	D.T./ N.T.	S.C.	S.T.	D.T./ N.T.	S.C.	S.T.	D.T./ N.T.	
1.	Deans. (Rs. 1500—2500)	4	4	—	—	—	—	—	—	—	—	—	
2.	Professors. (Rs. 1500—2500)	100	85	11	6	4	1	—	—	10	6	4	50% vacan- cies filled in
3.	Asso. Professors. (Rs. 1200—1900).	53	28	4	2	2	—	—	—	4	2	2	by promotion
4.	Readers. (Rs. 1200—1900)	193	169	22	12	7	3	—	—	19	12	7	
	Lecturers. (Rs. 700—1600).	312	284	37	20	12	4	—	—	33	20	12	

APPENDIX—5.

Statement showing the consolidated backlog in staff on Non-Computerised Pay-Roll.

Sr. No.	Name of the post and Grade	Total posts	Posts filled in	Reservation re- quired sons			No. of B. C. per- appointed			Backlog			Remarks
				S.C.	S.T.	D.T./ N.T.	S.C.	S.T.	D.T./ N.T.	S.C.	S.T.	D.T./ N.T.	
1.	Family Welfare Unit.	257	223	31	18	11	21	—	—	13	18	11	
2.	Secondary Schools.	3170	3170	414	225	129	275	30	16	226	195	113	
3.	Medical Colleges.	662	570	74	40	25	8	—	—	66	40	25	
	Total	4089	3963	519	283	165	304	30	16	305	253	149	
							(+90)						

APPENDIX—6.

Statement showing the number of vacant posts as on 30/9/1985.

Category	Total posts	Filled in posts.	Vacant posts.
Superior staff	54,411	49,248	5,163
Labour Staff.	86,687	79,886	6,801
Grand Total.	1,41,098	1,29,134*	11,964

* Including Daily paid posts.

Sub. : Municipal Commissioner's administrative report for the year 1985-1986.

Ref. : MCP/5841 of 26-5-1986.

The special technical cell of the Municipal Commissioner's office/establishment works under the direct control of the Municipal Commissioner. This cell is put in charge of a technical head who is designated as Dy. C. E. (Vigilance).

The cell has two sections viz (i) Technical section (ii) Administrative section.

The technical section has three Assistant Engineers and three sub Engineers who are designated as Asstt. Engineer (Vigilance) and Sub Engineer (Vigilance) respectively. Each Asstt. Engineer is given charge of one of the three zones i.e. (i) City (2) Western Suburbs (3) Eastern Suburbs and outside city.

The organisational set up is as under :—

Municipal Commissioner
Dy. City Engineer (Vigilance)

Asst. Eng. (V) I Sub. Eng. (V) I (City)	Asst. Eng. (V) II Sub. Eng. (V) II (Western Suburbs)	Asst. Eng. (V) III Sub. Eng. (V) III (Eastern Suburbs out side city)	Clerk Record Asst. Peon	Steno Peon
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Main function :—

The most important and the prime function of the cell is to keep an overall check and vigilance over all the technical matters of the corporation concerning mainly Civil Engineering works being executed by the various contract agencies. These works include road constructions, building constructions, Bridge constructions, Drainage construction, water supply and Sewerage project works and the maintenance works of existing amenities.

The irregularities, discrepancies, lapses, Omissions etc., are looked into and the findings are submitted to the Municipal Commissioner suggesting corrective as well as disciplinary actions to be taken against the erring agencies/contractors and the concerned supervisory staff.

Surprise inspections at intervals are carried out of the Civil Engineering Works like road construction, building construction, drainage, W. S. S. D. projects etc., which are being executed through contracting agencies. During the inspections it is verified whether these works are being executed as per the design, specifications, terms of contract etc., It is also verified whether the materials used in the construction are of specified standards and the completed works are of required quality/standards. The cases of any deviations/irregularities/lapses etc., are noted down and these observations are conveyed to the head of the concerned department and the Municipal Commissioner for taking remedial and corrective actions and for proposing penalties, rebates, warning degradations of the contractors depending upon the seriousness of the lapse/irregularity.

Municipal Commissioner forwards to Dy. C. E. (V) complaints received from the public, Municipal Councillors, M. L. A. etc., which need technical scrutiny for investigation and then submitting a report with suggestions thereon. These cases are looked into and investigation reports thereof are submitted to the M. C. alongwith suggestions and replies to the complainants. Several times, the M. C. forwards the reports submitted by the departmental Heads like Zonal Dy. C. E.s for scrutiny and remarks of Dy. C. E. (V). These cases are also scrutinized and remarks are submitted to the M. C. thereon.

The Municipal Commissioner desired that the Building Proposal files should be subjected to technical audit at random by Dy. C. E. (V). As such this office started technical scrutiny of B. P. files selected at random to verify whether these files were disposed off/dealt with as per the prevailing rules/regulations as per the provisions of B. M. C. Act, M. R. T. P. Act, B. M. R. D. A. and other statutory acts. The report of the said scrutiny is then submitted to the Municipal Commissioner.

Dy. C. E. (Vigilance) also acts as an advisor to the M. C. (as and when so desired by the M.C.) on all the technical matters relating to Civil Engineering Works and interpretation of relevant provisions of several relevant statutory acts.

Dy. C. E. (Vigilance) also acts as the co-ordinating agency amongst all the different engineering sections and assists the M. C. in the matters which need policy revision or framing new policies and implementation of them.

This cell also keeps watch on the material test results obtained at the Municipal testing laboratory. Construction materials to be used on various Civil Engineering works are sent for testing in the Municipal Testing Laboratory before use. These are allowed to be used in work if the test results indicate that they meet the required standards. The materials tested are cement, bricks, steel, concrete cubes, asphalt pre. mixes etc., If found necessary this office direct the concerned department to carryout the load tests, Hammer tests etc.

The surprise element involved in the visits of the vigilance staff on various construction sites, goes far way in keeping the supervisory staff and the work executing agencies alert on the work and give quality works.

The technical scrutiny at random has also an element of surprise. As such the staff take an adequate care while dealing with the relevant B. P. file since a noted failure/lapse on their part may lead to punishment.

The feeling in the minds of the staff that their work/behaviour is likely to be checked and questioned by the vigilance staff (as a surprise check) keeps the said staff and the relating executing agencies alert to extract and deliver quality works respectively.

Some of the works done during the year 1985-86 are detailed below :—

1) No. of inspections carried out :—	
(i) Building construction.	79
(ii) Road construction.	62
(iii) W. S. S. D. Works.	100
(iv) Slum Improvement works.	23
(v) P. W. C. (works)	302
2) No. of final Bills checked.	42
3) No. of cases investigated received from the M. C./D. M. C./Director (E. S. & P.).	334
4) Miscellaneous inspection cases.	153
5) Amount of recoveries from the Civic contractors by way of rebates, penalties, sub-standard work, detection of excess payment etc.	Rs. 14,70,056.80

**ADMINISTRATIVE REPORT OF THE LABOUR DEPARTMENT
FOR THE YEAR 1985-86.**

High lights :—

(1) Expenditure—	
(i) Establishment	— Rs. 13,29,241.00
(ii) Other than Estt.	— Rs. 4,45,376.04
(2) Recognised Unions	— 43
(3) Joint Councils	— 9
(4) Welfare Centres	— 51
(5) Grievance attended	— 19514
(6) Average daily attendance of Welfare Centres	—
(i) Adults	— 6225
(ii) Children	— 7350

Trade Unions :—

The Trade Union activities among Labour and other staff members were mostly confined to 43 unions recognised by the Municipal Commissioner as per rules and covers about 1.40 lack employees.

Labour Relations :—

With a view to promote cordial relations between the employees and the Administration the following steps were continued :—

(i) **Grievance procedure** :—The periodical meeting of the Grievance Committee were arranged to look into the problems of all the departments and wards as well as individual grievances. The Committee consisted of Labour Officer as a Chairman. P. O. and the concerned Head of the Department/Ward or his representative is also being called to explain the departments action. whenever the meeting of the Grievance Committee are held the representative of the concerned union and the representative of the concerned union and the employees are also requested to remain present. 27 meetings were held from to time in L. O.'s chamber. The efforts are made by the Committee to settle the grievances existing at the shop/unit level where was no deviation from the existing policies.

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

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

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

Disputes :—

During the Year under report 29 disputes were referred to the various authorities such as Govt. Labour Officer, Asstt. Commissioner of Labour, Commissioner of Labour, Conciliation Officer, Labour/Industrial Courts etc. Out of these 29 disputes, 15 disputes were referred to the Conciliation Officer (Appendix A). The remaining 14 disputes were referred to the Labour/Industrial Courts. Out of 15 disputes referred to Govt. authorities 8 have been decided and closed. References of 14 disputes were made to the Industrial/Labour Courts (Appendix B) and still pending before them.

Scholarshing to the children of the Municipal employees :—

During the year 1985-86, 191 Municipal employees applied for scholarships for various studies prosecuted by the Wards of Municipal employees. However, the matter is yet to be finalised and likely expenditure of Rs. 30,580 of scholarships is to be incurred. After finalisation, the necessary circular will be issued to all H. Ds. and W.Os and meeting in this respect will be fixed shortly.

Medical Assistance scheme for Municipal employees :—

Under the above scheme 10 Municipal employees suffering from T. B. were given financial assistance of Rs. 1200.00. In addition 89 employees or their dependants suffering from major illness were given the financial assistance during the year under report. The total expenses incurred under this scheme is Rs. 2,30,067 only.

Immediate Cash Assistance :—

Under the scheme for granting Immediate Cash Assistance of Rs. 500/- to the direct dependants of the Municipal employees who die while in service, the amount of Rs. 3,32,000 only was spent during the year under report. Thus 664 employees have availed this facility.

Inetr Ward/Inder Departmental Drama Competitions :—

18 Wards/Departments took part in the Inter Ward/ Inter departmental drma Competitions held at the Bal Gandharva rang Mandir, Bandra.

First three dramas were awarded with rotating toophies. Besides the trophies 5 individual prizes of Rs. 251/- each were awarded to the Best Actor. The best Actress. The Best Director, Best lighting arrangement and best setting as done annually. 3 Prizes for the second best of the participants in drams were given cash prize of Rs. 151/- for acting and direction (two for acting and one for direction) and 2 individual 3rd best prizes of Rs. 101/- in cash were awarded for acting to male and female participants. Similarly 30 consolation prizes of Rs. 51/- each were awarded for acting. Ten consolation prizes of Rs. 51/- each were also awarded for direction, setting, lighting Music and to the Municipal Author.

The prize winning departments and individual best prize winners are as follows :—

- | | |
|----------------------------|--|
| (1) First Prize for drama | — H. E. Nishpaap. |
| (2) Second Prize for drama | — Dy. A & C — Jivant Sakshidar Havay |
| (3) Third prize for drama | — Dy. M.C.A. — Ashi Pakhare Yeti |
| (4) Best Actor. | — (1) Ganesh Daristekar — Khelia.
(2) Milind Nadkarni — Miki Ani Memsaab |
| (5) Best Actress | (1) Smt. Prathibha Patil—Maran Rang
(2) Smt. Pratiba Amrute — Jivant Sakshidar Havay |
| (6) Best Direction | (1) Manohar Surve — Jivant Sakshidar Havay
(2) Datta Kumar Desai—Nishpaap
Prakash Mayekar — Nishpaap
Digambar Satav — Jivant Sakshidar Havay. |
| (7) Best Seeting | |
| (8) Lighting effects. | |

Recruitment of Telephone Operator :—

The work of recruitment, promotion, confirmation of Telephone Operators required by various departments, is entrusted to this department.

During the year under report—

- (1) 28 Telephone Operators 'B' Grade are appointed.
- (2) 7 Telephone Operators 'B' Grade are promoted to the Post of Telephone Operator 'A' Grade.
- (3) Eleven Telephone Operators 'B' Grade are regularised.

Recruitment of P. T. candidates for sub-clerical & class IV posts.

18 P. T. candidates have been appointed as Part time Registration Asstts. where required and 18 registration Asstts. have been taken as Full Time Registration Asstts. 17 P. T. candidates have been absorbed in the other sub-clerical posts. 244 P. T. candidates have been absobed in the posts of Labourer/Ayah/Sweeper Hamal etc. 141 persons are appointed on preberontial Treatment basis in the post of school peon & other clerical posts.

Welfare Branch :—

51 Welfare Centres are run by this department. On an average daily attendance of the Adult Male/Female participants and children at the different Welfare centres is about 6225 and 7350 respectively. The activities which are conducted regularly at the Welfare Centre are as under :—

For females : sewing, Embroidery, knitting, Cooking Handicraft, Indoor and outdoor games, Music Dance etc.

For males :—Indoor & outdoor games gymnasium Dramatics Debating etc.

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

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

(ii) Inter Centre one Act play Competitions :—Inter Centre/One Act Play competitions were help and 22 Welfare Centre have participated in the one Act, Play competition during the period. The competition was held during 17th February 1986 to 21st February 1986 and prizes distributed on 3rd March 1986 by Shri Ramjanak Singh Municipal Councilllor to the Best Sctor, Best PLayer etc.

(iii) Film Shows : Documentary and full length feature films of the Educational and Social Importance were shown daily at the different Welfare Centres during the year when other functions are not there. This office has exhibited a feature film at centres at Pise and Agra Road at interval of 3 months as recreation measure.

(iv) Excursion for Nursing staff : The excursion to Bangalore for Nursing staff was organised during 12th March 1986 to 21st March 1986. 42 nurses of different hospitals and Maternity Homes participated in the excursion.

(v) Balwadi :—Balwadies are conducted at the following Welfare Centres regularly:

- (1) Bapty Road Welfare Centre.
- (2) Palton Road Welfare Centre.
- (3) Colaba Welfare Centre.
- (4) Chembur Welfare Centre.
- (5) Dadar Welfare Centre (Gujarathi)
- (6) Gautam Nagar Welfare Centre (Marathi).
- (7) Fire Brigade Welfare Centre.

325 children of the Municipal employees take advantage of the Balwadies.

(vi) Different Functions :—

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

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

(C) BUddha Jayanti function were organised at 11 Welfare Centres.

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

(vii) Television sets, Forty two welfare centres are provided with the television sets for the use of participants at the centres under control of L.O. under the Cotributory Community T. V. Scheme in the year under report, through the Director of Rural Broadcasting, Govt. of Maharashtra. In all 7 T. V. sets have been provided at 7 Centres situated in City Suburbs, extended suburbs and outside City division of Water Works deptt.

Statistical Cell :—

The statistical cell of the Corporation is working under Labour Department. The statistical information in respect of total work-wages, grades etc., are collected paysheetwise from various deptts. of the Corporation.

(2) Certain statistical information required by the state/Central Govt., and Corporation such as categories of posts in the Municipal Corporation etc. has been collected by this department during the year under report.

APPENDIX 'A'

Sr.	Authority	Subject	Remarks
1.	Asstt. Commissioner of Labour	Withdrawal of concession i.e. Shraavan Monday etc.	Failure, report sent to Govt.—Pending.
2.	Asstt. Commissioner of labour	Payment of Medical Allowance and other demands of F. W. Unit Staff.	Failure, report sent to Govt.—Pending.
3.	Asstt. Commissioner of Labour	Reinstatement of Smt Gawande with backwages.	Failure, report sent to Govt.—Pending.
4.	Asstt. Commissioner of Labour	Reinstatement of Shri V. G. Deorukhkar with backwages.	Failure, report sent to Govt.—Pending.
5.	Asstt. Commissioner of Labour	Reinstatement of Shri S. B. Shinde with backwages.	Failure, report sent to Govt.—Pending.
6.	Asstt. Commissioner of Labour	Revision of grades of painters under E. O.	Closed.
7.	Asstt. Commissioner of Labour	Payment of arrears to Shri Mohite, ex-Security Asstt.	Closed.
8.	Asstt. Commissioner of Labour	Reinstatement of Smt. Karande with backwages for Family Welfare Unit.	Failure, report sent to Govt.—Pending.
9.	Asstt. Commissioner of Labour	Withdrawal of concession for late report for duty. Subordinate Staff Union & others.	Pending with Government.
10.	Asstt. Commissioner of Labour	Notice of change under Section 9-A of I. D. Act, regarding promotion as Clerk from lower cadre.	Settled at our level but pending with Asstt. Commissioner of Labour.
11.	Asstt. Commissioner of Labour	Payment of arrears during suspension period to Gokhale, Pharmacist H. O.'s Deptt.	Closed.
12.	Asstt. Commissioner of Labour	Change of duty hours of the Security Guards in C. S.'s Deptt.	Closed.
13.	Asstt. Commissioner of Labour	Request from Smt. Outino for reinstatement in service with full back wages.	Pending.
14.	Asstt. Commissioner of Labour	Reduction of Security Guards in S. O.'s Deptt.	Pending.
15.	Asstt. Commissioner of Labour	Spread over duty to the Labourers in Supdt. Garden's Deptt.	Closed.

APPENDIX 'B'

Sr. No.	Name of the Union	Department concerned	Categories	Referred to	Nature of Disputes.	Remarks.
1	2	3	4	5	6	7
1.	(i) Bombay Municipal Subordinate Staff Union. (ii) Bombay Municipal Executive Staff Union. (iii) Engineers Union.	All Deptts.	Clerk, Inspectorial Staff, H.Cs. and Sub-clerical staff.	Industrial Tribunal	The dispute in respect of Amendment of Municipal Services Conduct & Disciplinary Rule No. 23.	Pending
2.	Municipal Mazdoor Union.	E.E.T. City	Cleaners	Industrial Tribunal	The provision of cleaners on Refugee vehicles.	Pending
3.	Municipal Karmachari Sangh Mumbai.	Family Welfare Unit.	Drivers	Industrial Tribunal	Continuation of services.	Pending
4.	Individual Shri S. S. Gawde.	S. O.	Security Guard	Labour Court	Approval under Section 33(2)(b) of I.D. Act, 1947.	Pending
5.	Individual.	Dy. C. E. (P & D)	Stenographer	Labour Court	Grant of increment for passing H.C.'s Exam.	Pending
6.	Shri S. B. Shinde.	H. S. (SWM)	Head Clerk	Industrial Tribunal	Approval under Section 33(2)(b) of I.D. Act, 1947.	Pending
7.	Shri V. G. Deorukhkar	Dy. A. & C. (Octroi)	Inspector	Industrial Tribunal	Approval under Section 33(2)(b) of I.D. Act, 1947.	Pending
8.	Smt. V. N. Vartak.	Family Welfare Unit.	Female Field Worker	Industrial Tribunal	Approval under Section 33(2)(b) of I.D. Act, 1947.	Pending
9.	Smt. C. M. Gawande.	Family Welfare Unit.	Female Field Worker	Industrial Tribunal	Approval under Section 33(2)(b) of I.D. Act, 1947.	Pending
10.	Shri D. G. Nerkar.	Clerk	H.E.	Industrial Tribunal	Approval under Section 33(2)(b) of I.D. Act, 1947.	Pending
11.	Shri R. D. Desai.	H.C.	A. & C.	Industrial Tribunal	Approval under Section 33(2)(b) of I.D. Act, 1947.	Pending
12.	Shri L. G. Wakankar.	H.C.	H.O.	Industrial Tribunal	Approval under Section 33(2)(b) of I.D. Act, 1947.	Pending
13.	Shri S. S. Kondkar.	Clerk	C. E.	Industrial Tribunal	Approval under Section 33(2)(b) of I.D. Act, 1947.	Pending
14.	Shri C. S. Joshi.	Jr. Stenographer.	C. E.	Vth Labour Court.	Payment of arrears.	Pending

MUNICIPAL CORPORATION OF GREATER BOMBAY
LEGAL DEPARTMENT.
ADMINISTRATIVE REPORT—1985-86.

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

	Outstanding at the close of last year.	Received during the year under report	Total	Disposed during the year under report	Balance at the end of the year under report.
	1.	2	3	4	5
I Supreme Court	2147	70	2217	17	2200
II High Court					
1. First Appeal	315	41	356	22	334
2. Appeals from order	364	108	472	79	393
3. Letters patent Appeals	9	6	15	5	10
4. Civil Application	404	104	508	126	382
5. Civil Revision Application	14	7	21	4	17
6. Writ Petition (Appellate Side)	125	56	181	24	157
7. Long Cause Suit	122	37	159	10	149
8. Arbitration Suit	11	2	13	—	13
9. Insolvency Matter & Company Petition	102	3	105	—	105
10. Appeal before Division Bench (O.S.)	175	65	240	26	214
11. Writ Petition (O.S.)	1522	332	1854	172	1682
12. Chamber summons in Original Side including Division Bench	5	25	30	30	—
13. Notice of Motion	85	52	137	36	101
14. Land Acquisition Reference	36	1	37	—	37
15. Nagpur High Court Bench	3	—	3	—	3
16. Andhea-Hyderabad High Court	1	—	1	—	1
17. Delhi Metropolitan Court	2	—	2	—	2
III CITY CIVIL COURT					
1. Suit filed by the Corporation	48	4	52	—	52
2. Suit filed against Corporation	3642	1510	5152	584	4568
3. Misc. Appeals	170	51	221	64	157
IV SMALL CAUSES COURT					
1. Suits filed by the Corporation	24	3	27	—	27
2. Suits filed against the Corporation	180	72	252	6	245
3. Garnishee notices	4	5	9	1	8
4. Notice in suits	50	10	60	5	55
5. Full court Applications (Appeals)	2	2	4	—	4
6. Licences and setback appeals	84	17	101	17	84
7. Appeals against Rateable Value	2816	259	3075	131	2944
8. References under Section 503 of B. M.C. Act.	192	63	255	43	212
V LABOUR AND INDUSTRIAL TRIBUNAL COURTS.					
1. Labour Court Applications Workmens' Compensation & Authority under Payment of Wages Act.	19	25	44	1	43
2. Motor Accidents	85	18	103	—	103
VI POLICE COURT					
1. Case under B. M. C. Act.	58989	26277	85266	20255	65011
2. High Court Criminal Appeal	27	23	50	2	48
3. High Court Criminal Writ Petition	5	4	9	5	4
4. High Court Criminal Application	3	25	28	24	4
5. High Court Criminal Revision Application	37	—	37	1	36

	1	2	3	4	5
6. Sessions Court Crim. Appln.	52	1	53	4	49
7. Session Court Criminal R.A.	51	2	53	4	49
8. Case under Shops and Establishment Act.	12	4	16	—	16
9. Criminal P. Code	3	9	12	2	10
10. I. P. C.	63	12	75	4	71
11. P. F. A.	324	38	362	6	356
12. Traffic	16	—	—	—	16
13. Cruelty to Animal Act.	—	—	—	—	—
14. Under Section 515 of B. M. C. Act.	80	13	93	3	90
15. Contested cases under B. M. C. Act.	49	58	107	19	88
16. M. R. T. P.	71	3	74	—	74
17. Lunatic Cases	13	4	17	1	16
18. Protection of Civil Rights	2	—	2	—	2
19. Tree Cutting cases	7	4	11	1	10
20. Slum Tribunal	1	—	1	—	1
21. Total amount of fine imposed during the year					Rs. 30,21,639.00.
VII Municipal Enquiries Courts					
(Section 105B of the B. M. C. Act).					
1. Pending cases as on 1-4-85					1518
2. New cases referred to Enquires Officer from 1-4-85 to 31-3-86.					3191
3. Total number of cases disposed of during the year under report.					3988
4. Total number of cases pending as on 31-3-1986.					721
VIII DOCUMENTS COMPLETED DURING THE YEAR.					
1. Deed of Conveyance and Agreement (F. S. I.)					191
2. Certificate of Sale.					20
3. Deed of Confirmation					2
4. Agreement					52
5. Indemnity Bond					14
6. Cases for compensation for set back (Sub.)					191
7. Cases for compensation for set back (City)					20
8. Advice matter in respect of stamp duty, Agreement, Lease, Town Planning, Set-back, P.F. Claim etc.					2231
9. Indenture of Deed of Mortgage, Deed of Receipt (Municipal Corporation Housing Society)					28
10. Further Charge (Municipal Corporation Housing (Society)					7
11. Appeal Matter before charity Commissioner					1
12. Appeal matter before Addl. Commissioner (B S B)					6
13. Appeal matter before Co-operative Society's Court					3
14. Appeal at Thanne Civil Court					3
15. Appeal matter before Sub-Division Officer (B. S. B.)					7
16. Appeal matter before Dy. Collector (BSD) in N.A. Assessment					6
17. Appeal matter before Tahasildar (Mulund)					2
18. Appeal matter at Shahapur Civil Court					1
19. Appeal matter before Supdt. of Land Record					1
20. Assignment					26
21. Indemnity bonds					32
22. Draft Leases					2
23. Draft Licence & Deed of Govenants					9
24. Power of Attorney					14
25. Probate					10
26. Declaration					6
27. Letters of Administration					2
28. Draft Licence to Assign.					12
29. Release Deed					3
30. Rectification					2
31. Reconveyance					1
32. Consent Decree					11
33. Gift Deed					1
34. Partition					2
35. Appointment of New Trustees and Settlement					7
36. Partnership & Retirement					7
37. Legal Notice					42
38. Total Receipts					836
39. Opinion on references from Department and parties					362
40. Opinion on documents and drafting documents Legal notices.					284

CENTRAL STORES

The Stores Department acts as a Central Purchasing and Stores Agency of the Corporation for procuring, storing and supplying various items to all the departments. There are about 298 schedules covering 3150 items. The purchases are made by inviting tenders by public Advertisement and/or by circular letters to the known dealers.

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

During the year under report the expenditure incurred on Establishment was Rs. 31,55,250/- Advertisement Rs. 1,17,985/- Printing and Stationery Rs. 20,000/- Misc. viz., Clothing, Books and Dead Stock, electricity and telephones charges etc. Rs. 1,53,762/- and Maintenance and Repairs was Rs. 3,98,052/-.

During the year all together tenders invited were 254 Quotations invited were 133, Contracts executed were 203 and purchase orders placed were 2190.

During the year 243 notices were served on defaulting suppliers and in 4 cases tender deposits were forfeited. For delayed supplies, penalties were also recovered as per terms of contracts.

FUTURE PLANNING

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

The computer formats were introduced from 1-11-1983 for trial and training purpose. The computerisation was started on trial basis from 1-4-1985 in the Central Stores and two Sub-stores in F/S Ward. Three more sub-stores namely K/E, DI & DII were taken on computer from June, July and August 85 respectively and the concerned staff was trained for the procedure to be followed for computerisation.

Parallel runs are proposed to be started from April 86 and at the same time two sub-stores of ward are proposed to be taken over for computerisation per month. In the final phase of computerisation, the ward stores and other departmental stores will be brought under control of Central Stores Department.

STATEMENT 'A'

Showing the transactions made during the year 1985-86.

Particulars.	Capital - Stores.	General Stores.	Total of Columns 2 & 3.
Value of Stores as on 1st April 1985.	24,11,067.85	43,71,274.43	67,82,342.28
Value of Stores received including transfer during the year 1985-86.	11,16,66,595.96	2,61,95,163.29	13,78,61,759.25
Total	11,40,88,663.81	3,05,66,437.72	14,46,44,101.53
<i>Less</i> : Value of Stores issued including transfers during the year 1985-86.	10,30,33,257.97	2,60,49,082.00	12,90,82,339.97
Closing Balance as on 31st March 1986.	1,10,44,405.84	45,17,355.72	1,55,61,761.56
Average annual inventory.	14,38,889.60	8,76,486.01	23,15,375.61
Ratio of Average inventory level to monthly issue.	0.130	0.194	0.324

ADMINISTRATIVE OFFICER (ENQUIRIES)

Year 1985-1986.

The department carried out the following functions :

(1) (a) Detection of malpractices indulged in by municipal employees of all categories including officers, such as acceptance of illegal gratification, defalcation, misappropriation of municipal money or property and other misconducts;

(b) Conduct of departmental enquiries against the municipal employees.

(c) Giving advice and instructions in the matter of investigation and departmental enquiries to the 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 702 investigations, paid 984 surprise visits to various municipal institutions and mustering places and disposed off 4358 cases of miscellaneous nature including some important cases of confidential nature. The details of investigations are as under :

(a) Cases of alleged acceptance of illegal gratification and misappropriation of municipal money.	51
(b) Cases of irregularities of major nature.	85
(c) Cases of irregularities of minor nature.	566
	702

In all 543 departmental enquiries were held against whom prima facie cases were established.

The details of action taken are as under :—

	No. of cases.
1) Dismissal.	4
2) Removal.	14
3) Demotion.	1
4) Withholding of increments.	145
5) Fines imposed.	82
6) Censure, caution and warnings.	55
7) Suspension for 3 days.	16
8) Recovery on account of loss to the corporation.	18
9) Exonerated as the charges were not proved.	13
	348

Salient Features.

1) Surprise raids were arranged and carried out by intercepting the vehicles after they had surreptitiously entered into Bombay City Limits and/or passed through certain octroi nakas and cases involving evasion of octroi duty were detected. As a result of such raids, an amount to the tune of Rs. 1,89,740.10 towards the octroi duty was recovered at the instance of this department.

2) The alleged modus operandi of syphoning of municipal funds by the exporters and/or by licensed octroi refund dalals was investigated and the results of the investigations so far achieved were encouraging briefly as under.

(a) M/s. Jaiman Textiles, exporters received payment of Rs. 72,460/— by a submission of alleged bogus octroi refund claims. The said amount was recovered from them.

(b) A prima facie case was established against 5 licensed octroi refund dalals for lodging alleged bogus octroi refund claims and further action is in final stage of completion.

(3) Cases of unauthorisedly transporting beef carcasses out of Deonar Abattoir were detected and a sum of Rs. 20,280/— was recovered from the concerned persons.

4) Major cases of defalcation of municipal money which are under investigation are briefly as under :

(a) a sum of Rs. 1,72,000/— is alleged to have been misappropriated and/or not accounted by the staff of accounts unit of D-Ward. Preliminary investigations are in the final stage of completion.

(b) Fraudulent payment of Rs. 7 lacs approximately through the G. P. S. No. 7 & 8 of labour staff of K. E. M. Hospital spread over for 28 months, has been unearthed and preliminary investigations are in the final stage of completion.

(c) Cases in which recoupment and thereafter misappropriation of municipal fund of Rs. 1,34,260.90 alleged to have been done by another Pay Master attached to G/S Ward Accounts Unit have been investigated and appropriate actions against the said Pay Master and other staff have been suggested to the competent authority.

MUMBAI MUNICIPAL SECURITY FORCE

SALIENT FEATURES :

I. Income & Expenditure :

(i) Income	Rs. Nil
(ii) Expenditure	Rs. 3,75,21,083.90

II. Departmental Enquiries completed.

From the year 1984, Departmental Enquiries in respect of employees of other depts. ordered on the basis of P. Es. conducted by this deptt. are transferred to Administrative Officer (Enquiries). However, the Departmental Enquiries against the employees of Security Deptt. are conducted by Dy. Security Officers of this deptt.

Preliminary Enquiries completed : 143.

III. Theft etc. cases reported	329
IV. Value of Municipal Property involved	Rs. 2,33,540
V. Cases detected	47
VI. Value of property recovered	Rs. 66,776/-

VII. Formation of Security Cell for Water Supply and Sewerage Deptt.

Departmental Information :

There are 3371 men working on the Establishment of Security Force. A separate Security Force Wing guarding the installations of Water Supply & Sewerage Department has been formulated. This Unit is functioning under the administrative control of Security Officer (WSSD) and functional control of Ch. Engineer (C. S.).

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

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

The Security Asstts. have completed 143 Preliminary Enquiries during the year in the cases of desertion of duty, sleeping while on duty, unauthorised absence from duty for long periods, theft, pilferages and assaults etc.

The classification of Preliminary Enquiries is as under :—

Cases of desertion of duty, sleeping while on duty, unauthorised absence etc.	Theft & Pilferage cases.	Other cases such as assault, misbehaviour.	Total
86	20	37	143

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	106	50,619/-	23	34,252/-
Other	223	1,82,921/-	24	32,524/-
Total	329	2,33,540/-	47	66,776/-

The Security Force has also been engaged in special Bandobast at Corporation Meeting at the Corporation Hall. The officers of the Security Force are called on Spl. Duty round the clock in case of emergencies like Strikes, Bandh etc.

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

The Security Force has got its own Training School and during the year 1985-86 Security Guards (including recruits) were imparted training.

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

There were 3371 men working on The Establishment which includes Officers, Subordinates and Labour Staff. The Security Force recruited 65 candidates as Security Guards during the year.

MUNICIPAL PRINTING PRESS

HIGH LIGHTS:

(1) Expenditure:—		
(a) Establishment		— Rs. 92,13,748.06
(b) Other Items		— Rs. 95,89,998.40
(2) Jobs :—		
(a) Printing		— 6831
(b) Supply of Stationery		— 1523
(3) Printed pages for Corporation and their various Committees		— 23496
(4) Amount Charged :—		
(a) To Departments :		— Rs. 1,58,45,918.00
(b) To Private Parties		— Rs. 1,64,645.00

During the year, the Press carried out 6831 Printing Jobs both Departments and Private in addition to supply of Stationery Jobs at a total cost of Rs. 1,58,45,918.00. Department undertook 19 Private Printing Jobs and 5 Jobs of Stationery and earned R. 1,64,645.00. There was a working Deficit of Rs. 16,50,016.93 against the last year's profit of Rs. 21,56,092.00. In order to meet the requirements, department purchased 529 Metric Tons of various kinds of Paper from the market and consumed total quantity of 432½ Metric Tons which included old stocks.

The comparative statement of jobs carried out and paper consumed during the year 1984-85 and 1985-86 is furnished as below :—

Statement I (Jobs carried out).

Description	1984-85		1985-86	
	Jobs	Pages	Jobs	Pages
(i) Departmental (Printing)	9363	...	6812	...
(ii) Departmental (Stationery)	1689	...	1518	...
(iii) Private Parties (Printing)	19	...	19	...
(iv) Private Parties (Stationery)	5	...	5	...
(v) B.E.S. & T. Undertaking	10	...	10	...
(vi) Corporation & Committees	...	16870 (E)	...	14158 (E)
	...	3886 (M)	...	3789 (M)
(vii) Corporation (Record)	...	13923 (E)	...	4596 (E)
	...	2059 (M)	...	953 (M)

('E' denotes English and 'M' denotes Marathi).

Statement II (Paper consumed).

Description	1984-85 in M. T.	1985-86 in M. T.
(1) White	337.½	271.½
(2) Nepa	104.¾	56
(3) Other kinds	61.½	105
Total ...	503.¾	432.½

Certain jobs were carried out through Outside Agencies at a cost of Rs. 1,64,838.13 as against Rs. 1,56,670/- in the previous year. In addition to regular work, the Press carried out printing of (i) Marathi Budget and Establishment Schedule comprising of 4312 pages and (ii) Budget 'G' both Marathi and English against heavy odds.

In response to Incentive Bonus Scheme for C. L. no workers responded against nil in the previous year. The Press is working in two shifts with a total strength of the 501 workers as on 28th February 1986 as against 452 workers as on 28th February 1985. 13 Apprentices under Apprenticeship Act 1961 were engaged in this year as against 37 on 28th February 1985. The labour relations were cordial and their grievances were redressed on the spot wherever practicable.

Workload Summary as per Performance Budget:—

Sr. No.	Description of Activity	Unit of Measurement	Budget Estimates 1985-86	Actual 1985-86
(1)	(2)	(3)	(4)	(5)
(1)	(A) Agenda of Meetings of Corporation and various Committees	Pages	45,000	14,158
	(B) Agenda of meetings of Corporation and various Committees.	Pages	8,000	3,789
(2)	Departmental Printing Works such as forms & registers, etc.	Jobs	10,000	6,812
(3)	Supplying stationery items to various departments.	Jobs	2,000	1,518
(4)	Record of Proceedings of Corporation Committee.	Pages	10,000	5,549
(5)	Printing of Administrative Report.	Pages	400	
(6)	Budget Estimates in English & Marathi	Pages	4,000	4,312
(7)	Supply of stationery items and printing Private Parties jobs.	Jobs	50	24

Due to late reconstitution of the Corporation i.e. from 1st May 1985 and expansion of Municipal Commissioner's powers, the printed pages of Corporation and its various Committees in the year 1985-86 are less as compared to the Performance Budget.

During the previous years Municipal Printing Press was supplying paper to Private Contractors for printing Municipal Agenda, Accompaniments and Proceedings, etc. This practice was stopped from the year 1985-86 and contractors were asked to use their own paper. Similarly departments were allowed to purchase Semi Stiff Covers and Flap Boards from open market as they were not available in Municipal Printing Press. This has resulted in less consumption of various kinds of papers during the year 1985-86.

**ADVANCES DEPARTMENTAL WORK
MUNICIPAL PRINTING PRESS (RECOVERY)
PROFIT & LOSS ACCOUNT.**

Opening Balance of outstanding Bills as on 31-3-1985.	65,52,046.79	Recovery during the year 1985-86	2,15,53,185.66
Expenditure during the year 1985-86.		Misc. Revenue.	74,933.76
I—Establishment	92,13,748.06	Credit against stock-in-hand and work in progress of 85-86.	84,60,369.23
II—Contingencies	5,57,803.11	Dr. to Cr. against Stock in hand at 84-85.	72,27,491.08
III—Repairs	6,43,481.54	Credit against Loss	16,50,016.93
IV—Stores.	63,24,341.50	Outstanding Bills as on 31-3-86	8,44,778.74
V—Elect. Power	2,01,438.37		
VI—Work through outside agencies.	1,64,838.13		
VII—P. P. Charges.	1,33,974.16		
VIII—Debit charges.	14,94,623.73		
IX—Transport charges.	69,497.85		
	1,88,03,746.46		
	<u>2,53,55,793.24</u>		<u>2,53,55,793.24</u>

ROTA PRINTING UNIT

No. MMP/752/Rota of 23-9-86.

ADMINISTRATION REPORT

1985-86

IMPORTANT FEATURES

The Rota Printing Unit carries out the work of printing and supplying copies of the Municipal Commissioner's and Municipal Chief Auditor's Administration Report in Marathi, urgent items and accompaniments of the Agenda of the Corporation and its various Committees, Agendas and proceedings of the Tree Authority in English and also in Marathi.

During the reporting year this unit has undertaken the work of the Improvements Committee & Works Committee (City) which was previously carried out by the Municipal Printing Press. This Unit also undertakes Standing Committee proceedings in emergency from Municipal Printing Press.

This Rota Printing Unit has carried out various special type of work e.g. Mayor's speech in All India Mayor's Conference at New Delhi, V. I. P.'s schedules in Bombay, Mayor's speech in various special programmes.

The Civic Journal which is published every month and which is a publication of Municipal Corporation of Greater Bombay published by the P. R. O., Diwali Greeting Cards in various colours and designs, of Municipal Commissioner, Mayor, of Mumbai and also all Committee Chairman in booklet form, which were formerly printed at the Municipal Printing Press on letter Press.

During the reporting year, the Rota Printing Unit has printed various jobs which were previously got printed through outside agencies on contract basis. The Rota Printing Unit has printed approximately 6000 pages of the Municipal Corporations Jobs and meeting proceeding in accurate time. The work of printing of cover pages of the 'Year Book' also the 'Civic Diary' has also been carried out by the Rota Printing Unit. During the year, 'Know Your Ward' list of Designation (पदनाम सूची) in Marathi & English and other books were printed by this Unit. The Planning Section of Municipal Printing Press, is carrying out the work of preparing plates of various jobs, the printing of 70% of which has been carried out by the Rota Printing Unit, in addition to the Printing work of the Department.

The Rota Printing Unit also undertakes the work of printing Question papers of Primary & Secondary Schools of the Corporation, in 11 different languages viz., Marathi, Gujarati, Hindi, English, Urdu, Kannad, Tamil, Telugu, Sindhi, Devnagari, Sindhi, Arabic and Malayalam and printing work of other departmental jobs such as Reports, different formats, circulars, H.C.'s examination question papers, Asstt., Supdt. (A. & C.) Question papers and lower cadre examination question papers and hand-outs for the above Departmental Examinations.

Expenditure

(a) Establishment	Rs. 12,84,881.49
(b) Other Expenditure	Rs. 15,50,810.00

Work-load summary	Pages	Cost
(a) Printing of Administration Report of M. C.'s & M. C. A.'s in Marathi.	522	1,34,008.08
(b) Departmental printing jobs such as formats, circulars, reports etc.	1219	7,67,228.95
(c) Urgent items & accompaniments and the Agenda of the Corporation and its various Committees.	1102	1,85,393.40
(d) Annual Examination question papers of Primary & Secondary Schools of E.O.'s Department.	10952485	16,67,764.80

In the Reporting year, there were 56 employees on the Establishment of the Rota Printing Unit.

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

The printing work of Annual Examination etc., papers of E. O.'s department is of Confidential nature and the same is executed very punctually and accurately.

FINANCE

(Budgets, A, B & E)

Report from the Chief Accountant on the accounts of the General Municipal Administration, the Improvement Schemes and the Education Fund for the year 1985-86.

GENERAL MUNICIPAL ADMINISTRATION.

(Budget 'A').

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

Revenue Account Budget 'A'	1985—86		1984—85	
	Budget Estimates. Rs.	Revised Estimates Rs.	Actuals Rs.	Actuals Rs.
Opening Balance.	—1,66,16,000	12,53,091	12,53,091	4,45,695
Income.	3,10,97,50,410	3,02,71,71,390	2,93,53,27,839	2,66,79,34,699
Expenditure.	3,09,27,84,040	2,80,29,39,880	2,74,86,46,241	2,55,71,27,630
Surplus (+) or Deficit (—) during the year.	+ 1,69,66,370	+ 22,42,31,510	+ 18,66,81,598	+ 11,08,07,069
Balance.	+ 3,50,370	+ 22,54,84,601	+ 18,79,34,689	+ 11,12,52,764
Increase (—) Decrease (+) in Reservation for Advances etc.		—2,00,00,000	+1,56,16,148	—10,99,99,673
Closing Balance.	+3,50,370	+20,54,84,601	+20,35,50,837	+12,53,091

2. The details of Reservation for Advances etc.

	Rs.
Increases—	
In Reserve Stores.	3,81,230
In Renewed Grant.	5,87,00,000
Total.	5,90,81,230
Decreases—	
In Misc. Advances.	7,46,97,378
Total	7,46,97,378
Net Decrease.	1,56,16,148

Comparative Statement showing the actual position of Surplus Cash Balance as on 31st March, 1986 and that as shown in the Revised Estimates for 1985—86 in Corporation Budget.

(Rs. in lakhs).

Revenue Account Budget 'A'	As adopted by the Corporation (R. E.)	Actuals	Variation compared with Revised Estimates of the Corporation
	Rs.	Rs.	Rs.
Opening Balance.	12.53	12.53	...
Income.	3,02,71,71	2,93,53,28	9,18,43 (Decrease)
Expenditure.	2,80,29,40	2,74,86,46	5,42.94 (Decrease)
Deficit (—) Surplus (+) for the year.	22,42.31	18,66.82	3,75.49 (Decrease)
Deficit/Surplus.	+22,54.84	+18,79.35	—3,75.49
Deduct—Increase (—) Decrease (+) in Reservation for Advances etc.	—2,00.00	+1,56.16	+3,56,16
Net Deficit/Surplus (—) (+)	+ 20,54.84	+ 20,35.51	— 19.33

3. The net unhypothecated Surplus Cash Balance on 31st March, 1986 was as under :

Liabilities	Rs.	Assets	Rs.
Reserve Stores Account.	55,72,273	Surplus Fund as per Appendix No. 2.	59,46,15,769
Miscellaneous Advances,	38,54,92,659		
Minimum required by Law.	1,00,000		
Surplus Cash Balance.	20,34,50,837		
	<u>59,46,15,769</u>		<u>59,46,15,769</u>

RESERVE STORES AND CAPITAL STORES.

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

Name of the account	Opening Balances as on 1-4-1985	Receipts during the year	Total	Issues during the year	Closing Balances as on 31-3-1986.
	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Advances Reserve Stores.	1,09,73,974	2,68,64,180	3,78,38,154	2,86,39,595	91,98,559*
(2) Advances Reserve Stores F. R. D.	—35,228	10,47,944	10,12,716	8,94,526	1,18,190*
(3) Advances Capital Stores.	3,16,36,885	10,69,88,192	13,86,25,077	10,65,94,260	3,20,30,817
(4) Advances Capital Stores F. R. D.	2,40,455	3,27,967	5,68,422	4,72,580	95,842
Total	4,28,16,086	13,52,28,283	17,80,44,369	13,66,00,961	4,14,43,408

* The differences of Rs. 46,60,201/— and Rs. 9,15,725 as per the books of C. S. and E. E. Mech. (South), respectively have been shown under respective unadjusted Reserve Stores Accounts.

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

Budget 'A'	Outstanding Debt as on 1st April 1985	Laon raised during the year	Repayment during the year	Loan-out-standing as on 31st March 1986.
	Rs.	Rs.	Rs.	Rs.
Division—I.	1,26,55,04,393	29,46,28,469	6,05,63,898	1,49,95,68,964
Division—II.	1,26,88,21,148	22,00,00,000	3,82,06,518	1,45,06,14,630
Division—III.	9,00,00,000	20,00,00,000	...	29,00,00,000
Total	2,62,43,25,541	71,46,28,469	9,87,70,416	3,24,01,83,594

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

	Rs.	Rs.
(1) Division—I	5,46,00,000	
Division—II.	22,00,00,000	27,46,00,000
(2) Division—I.	20,00,00,000	
Division—II.	20,00,00,000	40,00,00,000
(3) Division—I.	8,27,742	8,27,742

Being the Loan issued at par with the currency of 13 years at 9 3/4 per cent interest per annum and Sinking Fund improving at 7 per cent basis per annum raised by Public subscription out of Rs. 2,966 lakhs Loan sanctioned under G.R. No. LLB/1085/1133/C.R./229/85-UD-13, dated 20th November 1985 and 4th December, 1985 in response to Corporation's Loan application for Rs. 10,000 lakhs under lying C. R. No. 350 of 17th October 1985.

Being the Loan amount towards Rs. 2000 Lakhs issued at par with a currency of 25 years at 9 3/4 percent interest per annum and Sinking Fund improving at 7 per cent basis per annum interest per annum raised by internal fund cut of Rs. 4500 Lakhs loan sanctioned under G.R. No. LLB/1085/1133/CR/229/- 85 UD-13, dated the 6th March 1986.

Being the Loan received from World Bank through B. M. R. D. A. out of total Loan of U. S. Dollars, 65,00,000 (Approximate Rs. 5,20,00,000 at Rs. 8 per dollar) at the rate of 9.2 per cent interest per annum vide C.R. No. 772 dated the 29th November, 1976 and 828 of 17th December, 1976 and G. R. No. BMC/7676/313 UD-3, dated the 18th January 1977.

(4) Division—I. (BUDP-I)	3,16,00,727	Being the loan of Rs. 3,00,00,000 out of Rs. 51.97 Crores received from Government of Maharashtra for Affordable Low Income Shelter programme B.U.D.P. I under Budget A, B, & G and Rs. 16,00,727/- interest at the rate of 8.5 per cent per annum for the year 1985-86 being capitalised vide G. R. No. WBP/1083/1192 (71) D-X dated 12th April 1984 and under subsidiary Loan agreement vide C. R. No. 90 of 25-7-1985.
(b) Division—I.	76,00,000	Being the Loan received from General Insurance Corporation of India through Govt. of Maharashtra for purchase of Capital Fire fighting Equipments at the rate of 9.75 per cent per annum allocated to Bombay Municipal Corporation vide G. R. No. FFS/1085/480/CR-92/85/UD-24 dated 11th June 1985.
Total	71,46,28,469	

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

		Rs.	
Division—I.	(1)	36,69,389	Repayment of 9.2 per cent I.B.R.D. (World Bank) Loan through B. M. R. D. A. for Traffic Operations.
	(2)	3,56,28,222	Repayment of 6 per cent Rs. 400 lakhs B.M.C. Loan 1973 excluding Rs. 83,71,778.56 pertained to Budget 'G'.
	(3)	1,10,00,000	Repayment of 6¼ percent Rs. 100 lakhs B.M.C. Loan 1975-76.
		1,02,66,287	Repayment of 4¼ percent Rs. 170 lakhs B.M.C. Loan 1960-61 excluding Rs. 67,33,712.61 of Budget 'G'.

Repaid to Debenture Holders out of Sinking Fund Investment.

Division—II & III.			
Sub.	(1)	5,27,860	4 1/4% Rs. 10 Lakhs Internal Loan 1960-61.
Ext. Sub.	(2)	6,19,230	4 1/4% Rs. 10 Lakhs Internal Loan 1960-61.
Sub.	(3)	61,06,920	6% Rs. 100 lakhs Public Loan 1973-74.
Ext. Sub.	(4)	34,52,508	6% Rs. 100 Lakhs Public Loan 1973-74.
Sub.	(5)	1,10,00,000	6 1/4% Rs. 100 Lakhs Public Loan 1985-76.
Ext. Sub.	(6)	1,65,00,000	6 1/4% Rs. 150 Lakhs Public Loan 1975-76.
Total		9,87,70,416	

SINKING FUND

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

Budget 'A'	Amount of Fund on 1st April 1985.	Interest etc. realised.	Sinking Fund Instalments	Withdrawn for repayment of Loans.	Excess accumulation Tr. to Rev.	Amount of Fund on 31st March 1986.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Div.—I.	37,22,44,730	2,12,03,394	4,64,91,043	7,20,00,000	...	36,79,39,167
Div.—II.	28,57,96,225	1,22,45,829	5,91,80,959	5,15,00,000	...	30,57,23,013
Div.—III.	6,32,421	47,430	14,22,947	...	...	21,02,798
Total	66,86,73,376	3,34,96,653	10,70,94,949	12,35,00,000	...	67,57,64,978*

* Out of this 22,42,73,504 pertaining to Div. I-18,93,27,477, Div. II-1,91,54,327 and Div. III-1,57,91,700 respectively related to Budget 'G'

Budget 'A'	Book Value of Securities and cash as on 31-3-1986.	Market Value of Securities interest accrued upto 31-3-86 & Cash as on 31-3-1986.	Amount of Sinking Fund which should have accumulated upto 31-3-1986.	Excess in Sinking Fund as on 31-3-1986.
	Rs.	Rs.	Rs.	Rs.
Division—I.	36,79,39,167	37,14,34,323	36,01,91,936	1,12,42,387
Division—II.	30,57,23,013	30,90,84,058	30,87,01,975	3,82,083
Division—III.	21,02,798	21,03,236	21,00,046	3,190
Total	67,57,64,978	68,26,21,617	67,09,93,957	1,16,27,660

REVENUE INCOME.

6. The estimated income for the year was Rs. 3,10,97,50,410 and Revised Estimates was Rs. 3,02,71,390. The actuals amounted to Rs. 2,93,53,27,839 resulting in decrease of Rs. 17,44,22,571 on the Budget Estimate and of Rs. 9,18,43,551 on the Revised Estimates.

OCTROI

6A. The gross collections for the year were estimated at Rs. 2,25,26,36,000 the refunds and Commission charges at Rs. 15,76,84,600 and the net revenue at Rs. 2,09,49,51,400. The revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 2,12,02,48,184 and after deducting the amount to Rs. 20,24,92,290 (on account of refunds Rs. 19,21,48,123 and on account of Commission for collection Rs. 1,03,44,167 credited to the separate Revenue Head, the net receipts amounted to Rs. 1,91,77,55,894 showing an increase of Rs. 18,85,48,125 as compared with the actuals of the previous year (i.e. Rs. 1,72,92,07,769.).

REVENUE EXPENDITURE.

7. The final sanctioned grants amounted in the aggregate to Rs. 3,63,34,83,979.

Budget Grants.	Rs. 3,09,27,84,040
Unexpended Grants for previous years renewed for expenditure.	21,43,00,000
Additional Grants.	32,63,99,939
Final Sanctioned grants.	<u>3,63,34,83,979</u>

The transfers from one Budget Head to another without affecting the total Budget Provision for the year amounted to Rs. 1,21,55,730.

8. Against the final sanctioned grants for the year aggregating to Rs. 3,63,34,83,979 as stated above the actuals amounted to Rs. 2,74,86,46,241 leaving an unexpended balance of Rs. 88,48,37,738 at the close of the year. Out of this balance the amount of Rs. 27,30,00,000 is being renewed for expenditure during 1986-87 as against Rs. 21,43,00,000 in 1985-86 and the remaining balance of Rs. 61,18,37,738 is being allowed to lapse.

9. The percentage of establishment expenditure to the total expenditure for 1985-86 and the previous year is as given below :

Budget 'A'	Establishment cost.	Percentage of Establishment cost to total Expenditure during.	
	Rs.	%	%
Division—I.	70,11,51,982	38.04	36.87
Division—II.	26,39,37,571	48.66	43.70
Division—III.	18,49,94,751	50.96	49.29
Total	1,15,00,84,304	41.84	39.71

LOAN FUND AND LOAN WORKS EXPENDITURE.

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

Budget 'A'	O. B. as on 1-4-1985	New Loans raised during 1985-86	Reimbursement of loan from B.M.R.D.A.	Repayment of advance granted for purchase of P. & M.	Central Govt. Assistance for flood damage
	1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.	Rs.
Division—I.	—6,43,65,321	29,38,00,727	8,27,742	3,21,93,745	8,86,96,780
Division—II.	9,14,08,208	22,00,00,000	...	44,09,538	...
Division—III.	—18,10,92,755	20,00,00,000	...	4,16,545	...
Total	—33,68,66,284	71,38,00,727*	8,27,742	3,70,19,828	8,86,96,780

Grant-in-aid from Govt.	Total Loan fund available.	Total Expenditure incurred.	Advance for Financing Capital Stores.	C. B. as on 31-3-1986.
6	7	8	8	10
Rs.	Rs.	Rs.	Rs.	Rs.
...	+35,11,53,673	21,12,41,616	34,084	13,98,77,973
...	+13,30,01,330	11,00,32,041	...	2,29,69,289
...	+1,93,23,790	8,35,88,659	...	—6,42,64,869
...	+50,34,78,793	40,48,62,316	34,084	9,85,82,393

* (1) Rs. 3,00,00,000 from Government of Maharashtra for Affordable Low Income Shelter Programme B. U. D. P. I. under Budget A, B & G, Rs. 16,00,727 interest capitalised at the rate 8.5% per annum.

(2) Loan of Rs. 76,00,000 from General Insurance Corporation of India through Government of Maharashtra for purchasing Capital Fire Fighting Equipments.

(3) Rs. 40,00,00,000 internal Loans.

(4) Rs. 27,46,00,000 Public Loans. (through Open Market).

The percentage of actual expenditure to Funds available works out to 80.

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

Year	LOAN FUNDS			Percentage of Actuals to Budget Estimates	Percentage of Actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
1983-84	Rs.	Rs.	Rs.	%	%
Div. I	33,83,22,640	47,17,69,600	21,50,02,648	64	46
Div. II	21,25,13,800	33,60,22,000	18,47,74,534	87	55
Div. III	12,39,48,000	21,54,11,700	9,08,46,052	73	42
Total	67,47,84,440	1,02,32,03,300	49,06,23,234	73	48
1984-85					
Div. I	38,87,10,900	34,50,73,900	21,21,63,319	55	61
Div. II	32,51,91,350	23,59,55,600	13,92,76,618	43	59
Div. III	21,04,65,500	15,53,36,500	8,05,74,957	38	52
Total	92,43,67,750	73,63,66,000	43,20,14,894	47	59
1985-86					
Div. I	40,64,51,200	45,90,51,000	21,12,41,616	52	46
Div. II	29,59,92,900	26,58,75,700	11,00,32,041	37	41
Div. III	17,33,87,000	21,32,34,500	8,35,88,659	48	39
Total	87,58,31,100	93,81,61,200	40,48,62,316	46	43

TRUST FUND AND EXPENDITURE**Under Trust Fund.**

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

	O.B. as on 1-4-1985	Receipts during 1985-86	Total Funds available	Expenditure during 1985-86	C.B. as on 31-3-1986
	Rs.	Rs.	Rs.	Rs.	Rs.
Div. I	48,272	20,00,000	20,48,272	...	20,48,272
Div. II	97,808	...	97,808	...	97,808
Div. III	...	...	...	...	...
Total	1,46,080	20,00,000	21,46,080	...	21,46,080

INVESTMENT.

11. The position of Investment was as under :—

	Investment in Fixed Deposit	Investment in current A/c Deposits	Aggregate investment	Interest on Fixed Deposits	Interest on current A/c Deposit	Total interest realised
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Division I	2,36,38,69,300	18,76,74,90,891	21,13,13,60,191	8,54,17,908	2,57,089	8,56,74,997
Division II (W.S.)	...	5,212	5,212	...	9	9
Division III (E.S.)	...	67,20,45,880	67,20,45,880	...	11,427	11,427
Total	2,36,38,69,300	19,43,95,41,983	21,80,34,11,283	8,54,17,908	2,68,525	8,56,86,433

STREET IMPROVEMENT

12. The expenditure incurred on acquisition of set back was as under :

	provision in the Revised Loan Works Budget Estimates for 1985-86 for acquisition of set backs.	Expenditure during 1985-86	Balance out of the provision	Amount of undischarged Commitment upto 31-3-1986.
	Rs.	Rs.	Rs.	Rs.
Div. I (City)	49,61,000	11,27,758	38,33,242	97,74,279
Div. II (W. S.)	30,25,000	8,57,081	21,67,919	...
Div. III (E. S.)	68,97,000	10,94,966	58,02,034	...
Total	1,48,83,000	30,79,805	1,18,03,195	97,74,279

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 1-4-1985	Amount of Loans granted during the year	Repayments of Loans during 1985-86	Loans Balance as on 31-3-1986.
Rs.	Rs.	Rs.	Rs.
16,10,45,387	3,27,11,925	1,07,96,850	18,29,60,462

BOMBAY URBAN DEVELOPMENT PROJECT—I.

13-A. The Corporation *vide* resolution No. 592, dated 3rd October, 1983 approved Municipal Commissioner's proposal to carry out the works of providing off-site infra-structural facilities to the sites and service projects, undertaken by the Government of Maharashtra through Maharashtra Housing & Area Development Authority. Accordingly, the Corporation entered into the Subsidiary Loan Agreement for the above project known as B. U. D. P. I. with the Govt. 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', and 'B' and 'G' and also to maintain separate Account at one Central place, as the same is to be audited by the Accountant General Maharashtra.

Three instalments of Loan amount to Rs. 3 Cross have been received upto 31st March 1986 and the same are credited to Budget 'A' (Division I), Capital A/c. receipt side. Expenditure of Rs. 16,78,197.00 inclusive of Supervision Charges a 12½ and Rs. 1,67,78,832.49 exclusive of Supervision Charges have already been incurred upto 31st March 1986 under Budget 'A' & 'G' respectively. Thus, expenditure incurred against the Loan receipt of Rs. 3 Cross amounted to Rs. 1,84,57,029.49 during the year under report. The expenditure of Rs. 1,67,78,832.49 initially met out from Budget 'G' will be transferred to Budget 'A' Division-I in the year 1986-87.

BUDGET 'B'.**General Account.**

14. The position of General Account during the year 1985-86 was as under :—

	Income	Expenditure	Surplus	Deficit
	Rs.	Rs.	Rs.	Rs.
Improvement Schemes	5,63,84,522	8,80,79,500	...	3,16,94,978
Slum Clearance (City)	44,79,002	81,65,279	...	36,86,295
Slum Clearance (Subs.)	9,81,444	69,27,240	...	59,45,796
Slum Improvement.	* 8,85,45,960	8,85,45,960	...	**
Total :	15,03,90,928	19,17,17,997	..	4,13,27,069

* Rs. 6,08,55,451 Contribution from Budget A and Rs. 2,76,90,509 Income from Hutment Colonies inclusive of Rs. 44,00,000 received from Government of Maharashtra on Service Charges.

** Deficit of Rs. 6,08,55,451 had been met from contribution from Budget 'A'.

CAPITAL ACCOUNT.

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

	Opening balance as on 1-4-1985	Receipt on A/c of sale proceeds of lands and buildings.	New Loan raised during the year	Total funds available	Expenditure during the year	Deficit of Gen. A/c. Transferred to Capital A/c.	Closing Balance as on 31-3-1986.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Improvement Schemes.	—11,37,39,124 (Deficit)	4,85,675	...	—11,32,53,449	18,79,175	3,16,94,978	—14,68,27,602 (Deficit)
Slum Clearance (City).	—3,20,00,711 (Deficit)	...	...	—3,20,00,711	4,43,744	36,86,295	—3,61,30,750 (Deficit)
Slum Clearance (Subs.)	—2,88,41,658 (Deficit)	1,24,388	...	—2,87,17,270	58,318	59,45,796	—3,47,21,384 (Deficit)
Slums Improvement	—830,41,187 (Deficit)	2,28,16,941**	...	6,04,24,248	5,38,30,148	...	—11,42,54,394 (Deficit)
Total :	—25,76,22,880 (Deficit)	2,32,27,004	...	—23,43,95,676 (Deficit)	5,82,11,386	4,13,27,069	—33,19,34,130† (Deficit)

** Rs. 1,44,16,941 Reimbursement of Capital Expenditure from Bombay Housing and Area Development Board and Rs. 82,00,000 Receipt from Collector of Bombay Suburbs District & Govt. of Maharashtra.

† The deficit was met by an advance from Surplus monies of Budget 'A' Div.-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 1985.	Loan raised during the year.	Repayment of Loan during the year	Loan outstanding on 31st March 1986.
	Rs.	Rs.	Rs.	Rs.
Improvement Scheme	11,59,28,000	...	1,40,00,000	10,19,28,000
Slum Clearance (City)	5,36,45,461	...	2,42,716	5,34,02,745
Slum Clearance (Subs.)	5,23,22,308	...	1,38,316	5,21,83,992
Slum Improvement	2,00,00,000	...	...	2,00,00,000
Total :	24,18,95,796	...	1,43,81,032	22,75,14,737

SINKING FUND

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

	Amount of Sinking Fund as on 1-4-1985.	Interest etc. Realised during the year.	Sinking Fund Instalments.	Withdrawn for repayment of Loans.	Amount of Sinking Fund as on 31-3-1986.
	Rs.	Rs.	Rs.	Rs.	Rs.
Improvement Schemes.	7,06,43,447	42,79,439	23,18,388	1,40,00,000	6,32,41,274
Slum Clearance (City)	2,00,57,696	12,60,930	9,59,452	...	2,22,78,078
Slum Clearance (Suburbs)	1,91,27,762	12,59,352	9,85,606	...	2,13,72,720
Slum Improvement	36,34,983	2,48,552	3,64,534	...	42,48,069
Total :	11,34,63,888	70,48,273	46,27,980	1,40,00,000	11,11,40,141

	Book value of Securities cash as on 31-3-1986.	Market value of Securities interest accrued upto 31-3-1986 and cash as on 31-3-1986.	Amount of Sinking Fund which should have accumulated upto 31-3-1986.	Excess in Sinking Fund as on 31-3-1986.
	Rs.	Rs.	Rs.	Rs.
Improvement Schemes.	6,32,41,274	6,36,77,344	4,73,53,915	1,63,23,429
Slum Clearance (City).	2,22,78,078	2,24,21,395	1,94,20,442	30,00,953
Slum Clearance (Suburbs).	2,13,72,720	2,14,56,852	1,92,68,783	21,88,069
Slum Improvement	42,48,069	42,48,852	41,89,677	59,175
Total :	11,11,40,141	11,18,04,443	9,02,32,817	2,15,71,626

V. W. JOSHI
Chief Accountant.

EDUCATION FUND

18. (i) The following Statement summarises the transactions for the year pertaining of Revenue Budget and the Actuals for the preceding year :—

Revenue Budget (B)	1985—86			
	Budget Estimates	Revised Estimates	Actuals	Actuals for 1984—85
	Rs.	Rs.	Rs.	Rs.
Opening Balance	20,377	20,676	20,676	20,377
Income	59,90,88,020	57,87,84,380	52,33,83,196	55,38,94,500
Expenditure	59,90,88,020	57,87,84,380	53,66,61,146	54,39,61,980
Surplus or Deficit during the year. (+) (—)	...	...	—1,32,77,950	+99,32,520
Balance.	+20,377	+20,676	—1,32,57,274	+99,52,897
Add : Decrease or Increase in Reservations as shown in (ii) below.	...	...	+1,32,78,076	—99,32,221
Closing Balance.	+20,377 (Surplus)	+20,676 (Surplus)	+20,802 (Surplus)	+20,676 (Surplus)

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

Increase/Decrease (+) (—)	1985—86	1984—85
	Rs.	Rs.
In Miscellaneous Advances.	—22,44,076	—45,64,779
In Renewed Grants.	—1,10,34,000	+1,44,97,000
Net Increase or Decrease. (+) (—)	—1,32,78,076	+99,32,221

(iii) The net unhypothecated Surplus Cash Balance on 31st March 1986 was as under :—

Liability	Assets.		
Miscellaneous Advance.	93,27,580	Surplus Revenue Fund as per Appendix No. 59.	93,48,382
Minimum required by Law.	20,000		
Surplus Cash Balance.	802		
Surplus Cash Balance.	802		
Total	93,48,382	Total	93,48,382

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

Opening Debt on 1st April 1985.	Loan raised during the year.	Repayment of debt during the year.	Outstanding Debt on 31st March 1986.
Rs.	Rs.	Rs.	Rs.
26,25,50,000	6,10,00,000	1,75,00,000	30,60,50,000

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

Amount of Fund on 1st April 1985	Interest etc. realised.	Sinking Fund Instalments.	Total Sinking Fund.	Withdrawal for Repayment of Loans.	Amount of Fund on 31st March 1986.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
6,61,00,988	43,20,626	1,19,07,316	8,23,28,930	1,75,00,000	6,48,28,930

Book value of securities and cash as on 31-3-1986	Market value of securities with interest accrued upto 31-3-1986 and cash as on 31-3-1986.	Amount of Sinking Fund which should have accumulated upto 31-3-1986.	Excess in Sinking Fund as on 31-3-1986.
Rs.	Rs.	Rs.	Rs.
6,48,28,930	6,55,42,638	6,33,45,415	21,97,223

The value of securities held in Sinking Fund Account on the basis of Market rates, prevailing on 31st March 1986 including accrued interest and cash exceeded the actual amount of the Sinking Fund by Rs. 21,97,223 which is held in the Sinking Fund Account.

Income

(vi) Position of the Income excluding the Special Contribution from Budget 'A' during the year 1985—86 is as shown below :—

Budget Estimates.	Revised Estimates.	Actuals.	Increase (+) Decrease (—) Compared with	
			Budget Estimates.	Revised Estimates.
Rs.	Rs.	Rs.	Rs.	Rs.
26,98,88,020	24,95,84,380	21,67,83,196	—5,31,04,824	—3,28,01,184

To cover the deficit, an amount of Rs. 30,66 Crores (as against Budget Estimates and Revised Estimates of Rs. 32,92,00,000 has been taken from Budget 'A' as Specials Contribution during the year. The rates of Education Cess are varying from 1/2 per cent on slab basis of Retesable value.

Expenditure.

(vii) The final sanctioned Grants amounted in the aggregate to Rs. 64,52,49,340 as follows :—

Budget Grants.	Rs. 59,90,88,020
Unexpended Grants for previous years renewed for Expenditure.	3,70,97,000
Additional Grants.	90,64,320
Final sanctioned Grants.	64,52,49,340

There is no transfer from one Budget Grant to another without affecting the total Budget provision during the year 1985-86.

A/c. 5326

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

Final Grant 1985-86	Actuals 1985-86	Balance Grant as on 31-3-1986	Amount Reserved for Renewal during the year 1986-87	Balance of Grant treated as saving.
Rs.	Rs.	Rs.	Rs.	Rs.
64,52,49,340	53,66,61,146	10,85,88,194	2,60,63,000	8,25,25,194

(ix) The percentage of Establishment cost inclusive of expenditure on Dearness Allowance, Provident Fund and Pension etc. charges to the total expenditure for 1985-86 as compared with the previous year's percentage is given below :—

Establishment.	Establishment Cost	Percentage to the total expenditure during.	
	1985-86	1985-86	1984-85
	Rs.	Rs.	Rs.
Budget—E.	45,69,46,930	85.15	85.77

Loan Funds

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

Opening Balance as on 1-4-1985	Loan Receipts.	Total	Loan Works expenditure.	Closing Balance as on 31-3-1986.
Rs.	Rs.	Rs.	Rs.	Rs.
—4,10,07,911	6,11,28,500*	2,01,20,589	3,02,14,005	—1,00,93,416

Deficit under Loan Fund has been met by taking advance from surplus monies pending raising of new Loan.

* This includes amount of Rs. 1,28,500.00 being Central Govt. Assistance for flood damage.

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

Year.	Loan and Trust Fund			Percentage of Actuals to Budget Estimates.	Percentage of Actuals to Revised Estimates.
	Budget Estimates	Revised Estimates	Actuals.		
	Rs.	Rs.	Rs.	Rs.	Rs.
1983—84	5,12,89,000	9,71,67,500	4,53,01,014	88.3	46.6
1984—85	6,47,02,500	4,46,94,000	3,14,96,918	48.7	70.5
1985—86	5,82,37,500	5,24,01,750	3,02,14,005	51.9	57.7

A/c. 5326

V. W. JOSHI.
Chief Accountant.

APPENDIX No. 1.

(Consolidated)

General Financial Statistics.

Particulars.	1981—82.	1982—83.	1983—84.	1984—85.	1985—86.
General.					
1. Area of the Greater Bombay (in sq. Kms.)	466.35	466.35	466.35	466.36	466.36
Population.	††82,27,332	†††82,43,405	†††82,43,405	†††82,43,405	*95,65,000
Rates and Assessments.					
3. Rateable value Rs.	1,65,66,84,247	1,75,81,40,007	1,88,21,97,578	2,01,14,75,756	2,21,23,66,719
4. Rateable value Rs. per head of population.	Rs. 201.36	Rs. 213.27	Rs. 228.33	Rs. 244.01	Rs. 231.30
5. Properties registered in the Assessment Book.	2,08,748	2,15,870	2,19,312	2,21,129	2,19,105
Income.					
	Rs.	Rs.	Rs.	Rs.	Rs.
6. General Tax (@24% of R.V.)	36,90,69,740	38,89,43,002	40,20,27,912	44,14,10,665	46,33,99,911
7. Income from other sources.	1,22,05,27,684	1,39,84,86,890	1,92,23,84,758	2,22,65,24,034	2,47,19,27,928
Total Income.	1,58,95,97,424	1,78,74,29,892	2,32,44,12,670	2,66,79,34,699	2,93,53,27,839
8. Incidence of Taxation per head.	** 156.73	** 184.31	** 238.96	** 270.01	** 255.43
Loans.					
	Rs.	Rs.	Rs.	Rs.	Rs.
9. Debt outstanding.	1,89,53,91,379	2,08,25,74,885	2,28,99,34,636	2,62,43,25,541	3,24,01,83,594
10. Redemption and Sinking Funds in hand or invested.	42,12,71,539	44,83,60,539	45,59,93,448	42,33,42,466	45,14,91,474
11. Net Loan Debt.	1,47,41,19,840	1,63,42,14,346	1,83,39,41,190	2,20,09,83,075	2,78,86,92,120
12. Net Debt per head of population.	179.17	198.24	222.47	267.09	291.55
Expenditure.					
	Rs.	Rs.	Rs.	Rs.	Rs.
13. Primary Education.	21,96,02,120	27,88,99,660	30,47,55,900	43,20,30,310	39,08,44,240
14. Medical Relief.	33,03,92,650	36,06,97,404	41,12,76,531	42,15,96,822	48,89,99,579
15. Other Civic services.	82,10,24,953	91,75,87,784	1,10,86,63,720	1,41,27,58,023	1,53,53,78,825
16. Debt Charges.	19,58,36,570	23,32,51,011	27,51,73,824	29,07,42,475	33,34,23,597
Total Expenditure.	1,56,68,56,293	1,79,04,15,859	2,09,98,69,976	2,55,71,27,630	2,74,86,46,241

Div.—I

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

† As per Census 1981 as intimated by H. O.

†† As finally intimated by the Director of Census.

††† As intimated by H. O.

* Mid-year Population, census. 1981 as intimated by H. O.

APPENDIX No. 2.

(Consolidated)

Revenue/Account for the year ended 31st March 1986

Particulars	Total		Particulars.	Total.	
	Rs.	P.		Rs.	P.
To Revenue Expenditure.	2,74,86,46,241.72		By Revenue Receipts.	2,93,53,27,839.68	
Surplus for the year.	18,66,81,597.96				
	<u>2,93,53,27,839.68</u>			<u>2,93,53,27,839.68</u>	
	Rs.	P.		Rs.	P.
			By Surplus Revenue Fund as at 1st April 1986.	46,66,34,170.91	
			By Surplus for the year.	18,66,81,597.96	
To Revenue Expenditure to be incurred in 1986-87 and provided for as renewed grants. 27,30,00,000.00				<u>65,33,15,768.87</u>	
		27,30,00,000.00			
To Balance being Surplus Revenue Fund as at 31st March 1986 as per Appendix No. 5 of Division.					
i+ 3,17,24,77,772.29			By Revenue of previous years reserved for the year 1985-86.		
ii —1,97,20,58,451.36			21,43,00,000.00	21,43,00,000.00	
iii —60,58,03,252.06					
		<u>59,46,15,768.87</u>		<u>21,43,00,000.00</u>	
		<u>86,76,15,768.87</u>		<u>86,76,15,768.87</u>	

Appendix No. 5 (Contd.)
Revenue & Suspense Account, Balance Sheet as at 31-3-1986. (Contd.)
Budget 'A'
(Consolidated)

Liabilities		Amount		Assets		Amount	
		Rs.	P.			Rs.	P.
Total—B.O.				Total—B.O.			
			342,54,27,280.86				342,54,27,280.86
G Surplus Revenue Fund A/c.				Investment of Surplus Revenue Fund			
Budge. A Div	I	317,24,77,772.29		General Revenue Stores Account Stock—App. 17			55,72,273.12
—	II (Deficit)	197,20,58,451.36		Advance out of S. C. B.—			
—	III (Deficit)	60,58,03,552.06		Budget 'A' Div.	I	19,69,59,997.77	
			59,46,15,768.87	—	II	11,82,06,955.88	
				—	III	7,03,28,706.36	
							38,54,92,660.01
				Investment of Balance held—			
				In Securities			
				In Fixed Deposits		20,30,00,000.00	
				Interest bearing Current A/c.			
				In Cash with S. B. I.		5,50,835.74	
			59,46,15,768.87				20,35,50,835.74
				Total Surplus Revenue Fund			59,46,15,768.87
Grand Total		402,00,43,049.73		Grand Total			402,00,43,049.73

Investment of Surplus Fund.

Budget 'A'	Securities		Fixed Deposit		Interest bearing Current A/c.		State Bank of India. Cash Deposits		Total	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Division I	1,66,44,771.96		98,53,50,800.00		10,32,00,662.62		17,59,994.27		1,10,69,56,228.87	
Division II (W.S.)	15,80,927.20		—		1,733.25		86,810.38		16,78,470.83	
Division III (E.S.)	8,97,300.00		—		44,14,715.23		98.00		53,12,113.23	
Total :	1,91,22,999.16		98,53,50,800.00		10,76,17,111.10		18,55,902.65		1,11,39,46,812.93	

APPENDIX No. 7

CAPITAL ACCOUNT BALANCE SHEET AS AT 31ST MARCH 1986 (Budget 'A')
(Consol dated)

PARTICULARS	LIABILITIES								TOTAL		
	Div. I		Div. II		Div. III				Rs.	P.	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	
Loans Outstanding Due to Public	1,49,95,68,963.00		1,45,06,14,630.00		29,00,00,000.00					3,24,01,83,593.55	
Advances from Surplus Monies											
Trust Fund Account—	...		...		6,42,64,869.17					6,42,64,869.17	
Donation from — The Trustees of the late Justice Baddrudin Tyabji Memorial Funds for the Construction of Orchard House at Victoria Garden.	1,694.50		...		...			1,694.50			
Reserve Bank of the India for construction of a ward of 38/40 beds for accommodating their of sick employees 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			20,48,271.89
SURPLUS—											
Capital Assets at Original Cost Over Liabilities Sinking Fund on Loans	36,79,39,166.93		30,57,23,012.25		21,02,798.00		67,57,64,977.18				
Contribution from Special Fund.	8,03,171.93		...		...		8,03,171.02				
Do. Revenue for the 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 Building Fund	43,05,043.42		...		...		43,03,043.42				
Do. Development Fund	1,29,89,110.46		...		...		1,29,89,110.46				
Do. Revenue towards Bai Jorbai Wadia Hospital for Children.	7,00,000.00		...		...		7,00,000.00				
Do. Trust Fund	88,23,829.47		4,25,215.69		...		87,49,045.16				
Do. Trustees Gokuldas Tejpal Charges	18,123.64		...		...		18,123.64				
Do. Budget 'A' Division I	...		3,00,000.00		...		3,00,000.00				
Grant-in-aid from Govt. for widening the the Road in Colaba Division	12,975.87		...		...		12,975.87				
Grant in Aid from Infrastructure Compost Plant	26,36,152.00		...		...		26,56,152.00				
Central Govt. Assistance for flood damage	8,86,96,780.00		...		...		8,86,96,780.00				
Loan Redemption Fund	47,36,05,636.98		30,33,38,838.01		...		77,69,44,474.99			1,57,26,83,457.72	
Grand Total :	2,46,24,10,829.21		2,06,04,01,895.95		35,83,67,667.17					4,87,91,80,192.33	

ASSETS									
PARTICULARS	Div. I		Div. II		Div. III		Total		
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	
BLOCK ACCOUNT—									
Loan Funds—									
Property and Assets at original cost	1,90,81,85,718.68		1,73,12,84,179.50		35,42,64,869.17		3,99,37,34,767.35		
TRUST FUND—									
Expenditure	83,23,829.47		3,27,408.00				86,51,237.47		
MUNICIPAL LAND AND BUILDING FUND—									
Land purchased and Buildings erected	43,03,043.42		...		...		43,03,043.42		
INVESTMENTS—									
SINKING FUND	38,78,168.93		30,67,23,012.25		21,02,798.00		87,57,64,977.18		
LOAN AND TRUST FUNDS—									
Amount reserved for Capital Stores	3,17,32,826.31		...		...		3,17,32,826.31		
BALANCE HELD IN—									
In Securities	...		2,30,67,000.00		...		2,30,67,000.00		
In Fixed Deposits	14,19,26,200.00		...		...		14,19,26,200.00		
In Current Account Deposits	...		...		...		...
In Cash	44.40		96.20		...		140.68		
	14,19,244.40		2,30,67,094.20		...		16,49,93,340.68		
Grand Total :	2,46,24,10,829.21		2,06,24,01,695.95		35,68,67,667.17		4,87,91,80,192.33		

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

CAPITAL ACCOUNT	TOTAL CAPITAL WORKS EXPENDITURE : UPTO 31ST MARCH 1985				CAPITAL WORKS EXPENDITURE DURING THE YEAR 1985-86				TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1986			
	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.
(I) Loan Funds—												
I—General Supervision etc.	7,29,11,668	4,22,47,486	6,48,769	11,58,07,923	1,04,19,602	34,65,051	...	1,38,82,653	8,33,31,270	4,57,10,537	6,48,769	12,96,90,576
Education, Primary	27,98,012	1,24,024	...	29,22,036	...	...	...	...	27,98,012	1,24,024	...	29,22,036
II—Free Reading Rooms etc.	15,68,199	67,040	...	16,35,239	...	...	...	...	15,68,199	67,040	...	16,35,239
III—Street Cleansing and Conservancy etc.	4,11,81,084	2,51,37,438	49,46,940	7,12,65,462	4,89,741	2,04,675	20,53,784	27,48,200	4,16,70,825	2,53,42,113	70,00,724	7,40,13,682
IV—S. W. Drains etc.	30,63,02,237	37,97,80,135	1,46,95,045	70,07,77,417	56,78,684	74,85,910	58,45,680	1,90,274	31,19,80,921	38,72,66,045	2,05,40,725	71,97,87,691
V—Mechanical	23,84,296	67,576	...	24,51,872	...	...	...	...	23,84,296	67,576	...	24,51,872
VI—Bldgs. Land Acqn. etc.	15,93,01,636	6,09,98,567	39,72,080	22,42,72,283	47,54,282	12,05,884	12,07,903	71,67,769	16,40,55,918	6,22,04,151	51,79,983	23,14,40,052
VII—Fire Brigade	1,47,42,648	3,46,79,155	3,56,668	4,97,78,471	15,73,092	51,22,705	...	66,95,797	1,63,15,740	3,98,01,680	3,56,668	5,64,74,268
VIII—Licensing, Removal of Encroachments	12,96,652	...	...	12,96,652	...	...	...	...	12,96,652	...	...	12,96,652
IX—Gardens & Open Spaces	3,90,86,714	8,81,25,044	5,46,44,656	18,18,56,414	1,03,41,736	2,82,90,354	1,16,50,072	5,02,82,162	4,94,28,540	11,64,15,398	6,62,94,728	23,21,38,576
X—Markets & Slaughter Houses.	6,77,65,286	3,43,72,510	9,97,184	10,31,34,980	26,30,162	1,68,288	8,07,458	36,05,908	7,03,95,448	3,45,40,798	18,04,642	10,67,40,888
XI—Deonar Abattoir.	5,70,51,212	...	39,92,079	6,10,43,291	...	...	1,19,90,917	1,19,90,917	5,70,51,212	...	1,59,82,996	7,30,34,208
Slum Service	50,75,492	...	...	50,75,492	...	...	...	...	50,75,492	...	...	50,75,492
XII—Village Amenities.	...	82,49,456	14,14,895	96,64,351	...	13,49,007	...	13,49,007	...	95,98,463	14,14,895	1,10,13,358
Measures for Civil Defence	1,87,148	...	...	1,87,148	...	...	...	...	1,87,148	...	...	1,87,148
Greater Bombay	2,81,069	...	...	2,81,069	...	...	...	...	2,81,069	...	...	2,81,069
XIII—Industrial Estates.	1,29,79,372	80	...	1,29,79,452	1,56,292	...	...	1,56,292	1,31,35,664	80	...	1,31,35,744
XIV—Centenary Celebration Works.	...	2,71,90,237	65,80,356	3,37,70,593	...	9,58,546	15,74,247	25,32,793	...	2,81,48,783	81,54,603	3,63,03,386
Municipal Power Laundry	2,23,935	...	...	2,23,925	...	...	...	...	2,23,925	...	...	2,23,935
Discount & Other charges on Loan	1	45,223	...	45,224	...	...	...	...	1	45,223	...	45,224
XV—Traffic Operations.	48,00,34,844	66,55,62,647	15,69,06,386	1,30,25,03,877	8,46,67,544	3,51,95,359	4,43,81,103	16,42,44,006	56,47,02,368	70,07,58,006	20,12,87,489	1,46,67,47,883
XVI—Works under B.U.D.P.I.	...	...	...	...	16,78,197	...	...	16,78,197	...	...	...	16,78,197
XXI—Public Health Department	2,61,68,916	4,19,81,020	40,67,571	7,22,17,507	21,15,221	20,81,802	6,60,393	48,57,416	2,82,84,137	4,40,62,822	47,27,964	7,70,74,923
XXII—Medical Relief & Education	33,97,13,621	16,85,28,643	1,45,47,845	52,27,90,109	6,00,72,487	1,67,46,640	20,64,528	7,88,83,655	39,97,86,108	18,52,75,283	1,66,12,373	60,16,73,764
XXIII—Measures to control environmental air pollution in Greater Bombay.	1,29,78,642	...	...	1,29,78,642	4,12,773	...	...	4,12,773	1,33,91,415	...	...	1,33,91,415
Suspense Account, Mechanical Transport and compost plant	62,59,746	7,26,79,772	88,875	2,90,27,893	11,71,578	48,64,669	...	60,36,247	74,31,324	2,75,43,941	88,875	3,50,64,140
Plant and Machinery out of defferent Special Fund.	58,823	...	...	55,823	...	...	...	...	55,823	...	...	55,823
Plant and Machinery of Loan Fund.	7,87,89,598	2,58,26,122	32,33,406	10,78,48,126	Cr. 21,13,520	Cr. 15,14,086	9,36,029	Cr. 76,91,577	7,16,26,078	2,43,12,036	41,89,435	10,01,57,549
Total (I) Loan Fund	1,72,91,37,851	1,62,56,61,675	27,10,92,675	3,62,58,92,281	17,90,47,871	10,56,22,504	8,31,72,114	36,78,42,489	1,90,81,85,722	1,73,12,84,179	35,42,64,179	3,99,37,34,770
Trust Fund Works executed	83,23,829	3,27,408	...	86,51,237	...	...	...	...	83,23,829	3,27,408	...	86,51,237
Land Bldg. Fund	...	...	...	...	...	...	...	...	...	...	...	...
Land purchased & Bldgs. erected.	43,03,044	...	...	43,03,044	...	...	...	...	43,03,044	...	...	43,03,044
Grand Total :	1,74,17,64,724	1,62,59,89,083	27,10,92,755	3,63,88,46,582	17,90,47,871	10,56,22,504	8,31,72,114	36,78,42,489	1,92,08,12,595	1,73,16,11,587	35,42,64,869	4,00,66,89,051

APPENDIX No. 11
(Consolidated)
Outstanding Balance of Loans on 31st March 1986 pertaining to Budget 'A'.

Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1986	Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1986
1	2	3	4	1	2	3	4
			Rs.				Rs.
BUDGET 'A' DIV. I				BUDGET 'A' DIV. II			
Loans raised Public				(Subs.)			
				Loans raised from Public			
1	Rs. 225 lakhs Loan 1961-62	4½%	2,25,00,000.00	40	Rs. 50 lakhs Loans 1961-62	4½%	50,00,000.00
2	Rs. 150 lakhs Loan 1962-63	4½%	1,50,00,000.00	41	Rs. 50 lakhs 1963-64	4¾%	50,00,000.00
3	Rs. 235 lakhs Loan 1963-64	4¾%	2,35,00,000.00	42	Rs. 70 lakhs Loans 1964-65	4¾%	70,00,000.00
4	Rs. 100 lakhs Loan 1964-65	4¾%	1,00,000.00	43	Rs. 50 lakhs Loan 1965-66	6%	50,00,000.00
5	Rs. 300 lakhs Loan 1965-66	6%	3,00,000.00	44	Rs. 50 lakhs Loan 1966-67	6%	50,00,000.00
6	Rs. 200 lakhs Loan 1965-66	6%	2,00,000.00	45	Rs. 50 lakhs Loan 1967-68	6%	50,00,000.00
7	Rs. 400 lakhs Loan 1966-67	6%	4,00,00,000.00	46	Rs. 50 lakhs Loan 1968-69	6%	50,00,000.00
8	Rs. 250 lakhs Loan 1966-67	6%	2,50,00,000.00	47	Rs. 100 lakhs loan 1972-73	6%	1,00,00,000.00
9	Rs. 300 lakhs Loan 1967-68	6%	8,00,00,000.00	48	Rs. 100 lakhs Loan 1973-74	6%	1,00,00,000.00
10	Rs. 325 lakhs Loan 1968-69	6%	3,25,00,000.00	49	Rs. 100 lakhs Loan 1974-75	6%	1,00,00,000.00
11	Rs. 200 lakhs Loan 1972-73	6%	2,00,00,000.00	50	Rs. 300 lakhs Loan 1974-75	6½%	2,50,00,000.00
12	Rs. 400 lakhs Loan 1972-73	6%	4,00,00,000.00	51	Rs. 200 lakhs Loan 1976-77	6¼%	2,20,00,000.00
13	Rs. 250 lakhs Loan 1973-74	6%	2,50,00,000.00	52	Rs. 300 lakhs Loan 1976-77	6¼%	3,00,00,000.00
14	Rs. 250 lakhs Loan 1974-75	6¼%	2,50,00,000.00	53	Rs. 250 lakhs Loan 1976-77	6¼%	2,50,00,000.00
15	Rs. 100 lakhs Loan 1975-76	6¼%	1,00,00,000.00	54	Rs. 600 lakhs Loan 1977-78	6¼%	6,60,00,000.00
16	Rs. 225 lakhs Loan 1976-77	6¼%	2,47,50,000.00	55	Rs. 450 lakhs Loan 1978-79	6¼%	4,95,00,000.00
17	Rs. 300 lakhs Loan 1976-77	6¼%	3,00,00,000.00	56	Rs. 250 lakhs Loan 1978-79	6¼%	2,50,00,000.00
18	Rs. 400 lakhs Loan 1977-78	6¼%	4,40,00,000.00	57	Rs. 850 lakhs Loan 1979-80	6½%	9,35,00,000.00
19	Rs. 400 lakhs Loan 1977-78	7½%	4,00,00,000.00	58	Rs. 450 lakhs Loan 1980-81	7%	4,95,00,000.00
20	Rs. 80 lakhs Loan 1978-79	6½%	88,00,000.00	59	Rs. 250 lakhs Loan 1980-81	6¾%	2,50,00,000.00
21	Rs. 150 lakhs Loan 1978-79	6½%	1,50,00,000.00		Total Div. II		47,75,00,000.00
22	Rs. 500 lakhs Loan 1978-79	8%	5,00,00,000.00		BUDGET 'A' DIV. III		
23	Rs. 150 lakhs Loan 1979-80	6¾%	1,65,00,000.00		Loan raised from Public		
24	Rs. 550 lakhs Loan 1979-80	6½%	5,50,00,000.00	60	Rs. 25 lakhs Loan 1964-65	4¾%	25,00,000.00
25	Rs. 450 lakhs Loan 1980-81	7%	4,95,00,000.00	61	Rs. 50 lakhs Loan 1965-66	6%	50,00,000.00
26	Rs. 800 lakhs Loan 1980-81	6¾%	8,00,00,000.00	62	Rs. 40 lakhs Loan 1966-67	6%	40,00,000.00
27	Rs. 600 lakhs Loan 1981-82	7¼%	6,60,00,000.00	63	Rs. 20 lakhs Loan 1967-68	6%	20,00,000.00
28	Rs. 500 lakhs Loan 1981-82	7%	5,00,00,000.00	64	Rs. 100 lakhs Loan 1972-73	6%	1,00,00,000.00
29	US 6.50 Millions Loan from World Bank (I B R D) thro. BMRDA.	9.2%	4,32,77,404.83	65	Rs. 50 lakhs Loan 1973-74	6%	50,00,000.00
30	Rs. 600 lakhs Loan 1982-83	7½%	6,60,00,000.00	66	Rs. 50 lakhs Loan 1974-75	6¼%	50,00,000.00
31	Rs. 600 lakhs Loan 1982-83	7½%	6,00,00,000.00	67	Rs. 50 lakhs Loan 1975-76	6¼%	50,00,000.00
32	Rs. 600 lakhs Loan 1982-83	8¾%	6,60,00,000.00	68	Rs. 150 lakhs Loan 1976-77	6¼%	1,50,00,000.00
33	Rs. 700 lakhs Loan 1983-84	8¾%	7,00,00,000.00	69	Rs. 125 lakhs Loan 1976-77	6¼%	1,37,50,000.00
34	Rs. 1100 lakhs Loan 1984-85	9%	12,10,00,000.00	70	Rs. 75 lakhs Loan 1976-77	6¼%	75,00,000.00
35	Rs. 700 lakhs Loan 1984-85	9%	7,00,000.00	71	Rs. 400 lakhs Loan 1977-78	6¼%	3,30,00,000.00
36	Rs. 546 lakhs Loan 1985-86	9¾%	5,46,00,000.00	72	Rs. 300 lakhs Loan 1978-79	6½%	3,30,00,000.00
37	Rs. 2000 Lakhs Loan 1985-86	9¾%	20,00,00,000.00	73	Rs. 425 lakhs Loan 1979-80	6¾%	4,67,50,000.00
38	Rs. 76 Lakhs Loan from Genra Insurance Corporation of India through G. O. M. Purchase of Capital Fire Fight Equipments 1985-86.	9¾%	76,00,000.00	74	Rs. 450 lakhs Loan 1980-81	7¾%	4,95,00,000.00
39	Rs. 51.97 Cross Loans for Affordable Low Income Shelter Programme B.U.D.P.I.	8½%	3,16,00,727.00	75	Rs. 150 lakhs Loan 1980-81	6¾%	1,50,00,000.00
	Total :		1,73,81,08,131.83		Total Div. III		26,30,00,000.00
	Less : Amount transferred to Budget 'G'		-23,85,59,168.28		Budget 'A' Div. II (Subs./Ext. Subs.)		
	Total Div. I		1,49,95,68,963.55	76	Rs. 650 lakhs Loan 1981-82	7¼%	7,15,00,000.00
				77	Rs. 100 lakhs Loan 1981-82	7¼%	1,10,00,000.00
				78	Rs. 500 lakhs Loan 1981-82	7%	5,00,00,000.00
				79	Rs. 775 lakhs Loan 1982-83	7½%	8,52,50,000.00
				80	Rs. 500 lakhs Loan 1982-83	7	5,00,00,000.00
					Total Div.		26,77,50,000.00
					Total		1,00,82,50,000.00
					Less : Amount transferred to Budget 'G'		-3,0635,370.00
					Total Div. II & III		97,76,14,630.00
					Budget 'A' Div. II (W.S.)		
				81	Rs. 800 lakhs Loan 1983-84	8¾%	8,80,00,000.00
				82	Rs. 1500 lakhs Loan 1984-85	9½%	16,50,00,000.00
				83	Rs. 2200 lakhs Loan 1985-86.	9%	22,00,00,000.00
					Total Div. II (W.S.)		47,30,00,000.00
					Total Div. II (W.S.)		47,30,00,000.00
					Budget A Div. III (E.S.)		
				84	Rs. 400 lakhs Loan 1983-84	8¼%	4,00,00,000.00
				85	Rs. 500 lakhs Loan 1984-85	9%	5,00,00,000.00
				86	Rs. 2000 lakhs Loan 1985-86	9¾%	20,00,00,000.00
					Total Div. III (E.S.)		29,00,00,000.00
					Grand Total Budget 'A'		3,34,01,83,593.55

APPENDIX—15
(Consolidated)
Budgets 'A' and 'B'

Statement showing Receipts and Expenditure during the year 1985-86 and balance to the credit of the Municipal General Fund at the close of the year i.e., 31st March 1986.

Account Heads	Division (City)		Division III (W.S.)		Division III (E.S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' (Part I)								
RECEIPTS								
(A) Revenue Account Receipts								
1 General Tax, Indirect Taxation and Miscellaneous Revenue.								
A—General Tax.	19,90,64,578.69		19,72,75,756.03		6,70,59,575.94		46,33,99,910.66	
B—Octroi.	1,93,89,80,924.03		...		...		1,93,89,80,924.03	
BB—Theatre Tax.	18,59,457.20		11,23,190.61		5,36,495.55		35,19,143.36	
C—Other Receipts								
(a) Grant-in-Aid of Fees for land conveyance, Music etc. Licences	8,529.00		...		...		8,529.00	
(b) Grant-in-Aid in of Fires for Officers against the Law.	36,52,419.00		...		...		36,52,419.00	
(c) Interest land Profit on Investment of Surplus Loan and Other Balances.	2,12,64,792.17		11,36,490.95		1,88,605.27		2,25,89,888.39	
(d) Miscellaneous	1,64,32,220.34		18,36,035.58		12,34,020.00		1,95,02,275.92	
(e) Receipt on account of Municipal Journal	11,014.00		...		...		11,014.00	
D—Receipt on account of proportionate Cost of Collection of Education Cess	6,91,869.69		3,89,681.91		2,21,054.40		13,02,606.00	
D—Rebate from Govt. on account of collector of Education Cess	...		...		...		...
D—Rebate from Govt. on account of collector of Education Cess	...		...		...		...
	2,18,19,65,904.12		20,17,81,155.08		6,92,39,751.16		2,45,29,66,710.36	
2. Museums								
	1,10,069.60		...		...		1,10,069.60	
3. Free Reading Rooms and Libraries								
	21,795.99		9,151.00		3,240.00		34,186.99	
4. Municipal High School								
	4,71,82,841.90		...		...		4,71,82,841.90	
5. Street Cleansing Cinservancy and Halalkhore Service								
	94,60,565.17		21,67,700.42		12,33,825.90		1,28,62,091.49	
6. S.W. Drains etc								
	8,982.90		2,121.50		1,804.00		10,908.40	
7. Mechanical and Electrical								
	4,34,184.20		4,34,176.55		...		8,68,260.75	
8. Buildings, Land Acquisition and Management								
A—Sale Proceeds of land	1,166.23		...		...		1,166.23	
B—Other Receipts.								
(a) Rent of Buildings.	53,87,787.10		4,02,571.33		55,896.40		58,46,254.83	
(b) Ground Rent	11,64,459.70		31,041.45		1,67,053.10		13,62,554.25	
(c) Miscellaneous	1,44,15,496.69		4,41,63,951.49		1,36,62,951.49		7,22,62,061.24	
C—Contribution from Capital Funds on account of Special Land Acquisition Staff.	2,73,430.32		...		...		2,73,430.32	
	2,12,62,340.04		4,45,97,564.27		1,38,85,562.56		7,97,45,466.87	
9. Fire Bridge								
A—Fire Tax.	1,24,58,774.70		1,23,43,636.08		97,58,334.52		3,45,60,745.30	
B—Other Receipts	1,02,137.36		1,05,838.80		45,565.39		2,53,541.55	
	1,25,60,912.06		1,24,49,474.88		98,03,899.91		3,48,14,236.85	
10. Licensing, and Removal of Encroachments on Public Streets.								
A—Licenses for Dangerous and Offensive Traders.								
	2,00,37,598.35		1,33,76,477.58		87,58,922.33		4,21,72,998.26	
B—Removal of Encroachments on Public Streets etc.								
	1,96,01,686.56		43,79,406.27		28,39,090.71		2,68,20,183.54	
C—Miscellaneous.								
	76,16,604.05		19,89,639.74		7,80,785.38		1,03,87,029.17	
	4,72,55,888.96		1,97,45,523.59		1,23,78,798.42		7,93,80,210.97	
11. Administration of Shops and Establishments Act 1948.								
	23,82,248.50		9,81,001.00		6,29,267.25		39,72,516.75	
12. Gardens and Open Spaces.								
	24,20,517.60		10,03,770.99		8,03,040.52		42,27,329.11	
13. Markets.								
	2,18,72,540.78		45,34,701.09		19,08,712.65		2,83,15,954.52	
14. Deonar Abattoir.								
	...		...		4,47,12,891.90		4,47,12,891.90	
15. Traffic Operations, Road and Bridges —								
A—Wheel Tax,	1,57,32,282.16		55,12,673.03		27,44,518.03		2,39,89,473.22	
B—Contribution from Govt. in lieu of Tolls,	24,927.00		20,637.00		...		45,564.00	
C—Other Receipts.	88,01,997.05		50,65,707.68		61,55,209.41		2,00,22,914.14	
D—Ferry Receipts.	...		8,12,282.04		...		8,12,282.04	
	2,45,59,206.21		1,14,11,299.75		88,99,727.44		4,48,70,233.40	

APPENDIX-15—(Contd.)
(CONSOLIDATED)

Account Heads	Improvement Scheme		Slum Improvement		Slum Clearance (City)		Slum Clearance (Western & Eastern Suburbs)		Total Budget 'B'		
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	
16. Contribution from Capital Funds to Revenue Account of Loan Works Staff.			50,27,673.94		28,83,783.01		21,50,117.29		1,00,61,574.24		
17. Extra Ordinary Receipts.			1,14,725.00		...		...		1,14,725.00		
18. Transfer from Government on Account of Collection of U. I. P. Tax, Education Cess levied Employment Guarantee, House Rep. etc.			2,00,00,000.00						2,00,00,000.00		
20. Receipt from Government on Account of Urban Immoveable Property Tax etc.			52,35,401.92		11,19,982.87		4,84,421.52		68,39,806.31		
21. Share in Entertainment Tax etc.				
			2,68,72,783.84		...		...		2,68,72,783.84		
Total—Part — I			2,42,87,46,482.73		30,30,81,406.00		16,61,35,060.52		2,89,79,62,949.25		
Budget 'A' (Part-II).											
31. Public Health Department.			33,95,840.25		37,92,657.72		10,09,885.37		81,98,383.34		
32. Medical Relief and Education.			1,79,64,413.55		32,41,781.72		28,38,410.18		2,40,44,805.45		
33. Measures to Control Environmental Air Pollution in Greater Bombay.			14,89,640.84		12,04,477.00		24,27,783.80		51,21,901.64		
				
Total — Part II			2,28,49,894.64		82,38,916.44		62,76,079.35		3,73,64,890.43		
Total — (A) Revenue Receipts.			2,45,15,96,377.37		31,13,20,322.44		17,24,11,139.87		2,93,53,27,839.68		
(B) Capital Account Receipts —											
Loan Funds — Capital Receipts —											
Debt Principal— New Loans of 1985-86.											
			38,33,25,248.80		22,00,00,000.00		20,00,00,000.00		80,33,25,248.80		
Advance from Surplus Monies for Financing Loan Works Expenditure Special Funds.											
			Dr. 6,43,65,321.48		Dr. 9,14,08,207.70		Dr. 11,68,27,885.88		Dr. 27,26,01,415.06		
Recoupment of Advances from Loan Funds for Purchase of Plant and Machinery.											
			3,21,93,744.97		44,09,537.50		4,16,544.80		3,70,19,827.27		
Non-recurring grant in aid for infrastructural Feed Compost Plant.											
				
Trust Fund —											
Donations.											
			20,00,000.00		...		...		20,00,000.00		
Total — (B) Capital Receipts I + II.			35,31,53,672.29		13,30,01,329.80		8,35,88,658.92		56,97,43,661.01		
(C) Suspense Account Receipts —											
I—Sinking and Special Fund Accounts —											
Sinking Fund Account (Municipal)											
			6,83,71,702.46		7,19,79,611.93		14,70,377.00		14,18,21,691.39		
Special Fund Account.											
			42,73,73,529.18		...		...		42,73,73,529.18		
Total — I (S and S. Funds)			49,57,45,231.64		7,19,79,611.93		14,70,377.00		56,91,95,220.57		
II—Paper and Cash Accounts —											
1. Sinking Fund.			8,93,04,855.20		3,43,91,016.63		...		12,36,95,871.83		
2. Special Funds.			10,57,93,164.89		...		...		10,57,93,164.89		
3. Surplus Fund.			64,42,49,130.11		7,72,87,092.71		20,14,70,300.00		92,30,06,522.82		
4. Loan Fund.			27.49		...		...		27.49		
5. State Bank of India and other Local Banks on Account of Sundry Deposits.			4,48,28,39,198.24		11,44,26,113.03		20,24,61,687.64		4,79,97,26,998.91		
Total — II (Paper & Cash)			5,32,21,86,375.93		22,61,04,222.37		40,39,31,987.64		5,95,22,22,585.94		
III—Other Suspense Accounts —											
Deposits Accounts.											
			6,58,22,63,785.13		41,51,83,143.98		31,89,06,046.91		7,31,63,52,976.02		
Reserve Stores Account.											
			8,76,71,430.63		...		...		8,76,71,430.63		
Capital Stores Accounts.											
			20,74,66,797.09		...		...		20,74,66,797.09		
Purchase of Petrol and Diesel Oil.											
			53,41,725.19		18,86,760.44		...		72,28,485.63		
Advances to Public including Co-operative for Housing purposes.											
			1,08,21,850.00		...		...		1,08,21,850.00		
Advances Departmental Works.											
			92,30,333.78		31,42,959.07		96,40,514.52		2,20,13,807.37		
Advances Dept. Works — Traffic Amenities.											
				36,86,980.50		...		
Advances Municipal Workshops.											
			56,95,992.71		5,00,253.83		...		98,83,227.04		
Municipal Foundry.											
			17,32,110.10		...		...		17,32,110.10		
Worth Crushers.											
				
Mechanical Transport.											
			4,80,95,903.54		2,77,23,677.87		...		7,58,19,581.41		
Asphalt Plant.											
			65,63,451.98		...		...		65,63,451.98		
Municipal Printing Press.											
			2,45,11,014.50		...		...		2,45,11,014.50		
Rota Printing Unit.											
			29,43,409.56		...		...		29,43,409.56		
Advances Private Works.											
			96,24,428.71		54,729.48		...		96,79,158.19		
Advances Private Works—Traffic Amenities											
				
Reinstatement of Trenches.											
			1,69,56,403.39		1,10,06,259.21		60,56,920.55		3,40,19,583.45		
Advances Special Funds.											
			44,64,155.17		29,000.00		...		44,93,155.17		

**APPENDIX—15— (Contd.)
(CONSOLIDATED)**

Account Heads	Division I (City)		Division II (Western Suburbs)		Division III (Eastern Suburbs)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Municipal Contractors.	2,54,450.31		52,071.45		28,704.67		3,35,226.43	
Municipal Tenderers.	17,217.51						17,217.51	
Sundry Advances Miscellaneous.	33,13,49,910.94		7,70,11,956.65		5,93,42,276.23		46,77,04,142.82	
Advances for Demolition of Unauthorised Structures and for removal of unsafe Buildings.	57,80,662.05		11,430.00		2,33,733.18		60,25,825.23	
Advances for conversion of Basket Privies etc.								
Advances to Municipal Officers.	11,17,832.13		8,924.45		Dr. 4,000.00		11,30,756.58	
Interest accrued But Not paid.	35,87,000.00		48,57,500.00		12,500.00		84,67,000.00	
Interest receivable Account.	6,973.75						6,973.75	
Provident Fund.	22,20,94,454.83		75,44,801.00		55,96,318.72		23,52,35,574.55	
Welfare Fund.					33,500.00		33,500.00	
Fines Fund.	12,386.21						12,386.21	
Fidelity Gurantee Insurance Fund.	3,160.36						3,160.36	
B.M.C. Loans Interest Warrapts Payable A/c.	3,90,27,382.27		6,92,37,885.03				10,82,65,267.30	
Dishonoured Cheques.	5,45,24,203.93		1,87,44,079.94		68,81,234.36		8,01,49,518.23	
Cash Bills Outstanding Accounts.	8,39,313.86		1,02,354.57		8,809.65		9,50,478.08	
Cheques Payable.	11,17,52,15,795.31		81,13,70,575.59		60,25,20,992.67		12,58,91,07,363.57	
Wages Deposit Account.								
Loan Redumption Fund Municipal.	6,05,63,698.13		3,82,06,518.00				9,87,70,416.13	
Repayment Loans.			1,32,93,482.00				1,32,93,482.00	
Interest on B.M.C. Loans Payable Account.			3,81,971.09				3,81,971.09	
Municipal Power Laundry.	76,57,638.37						76,57,638.37	
Advances from Surplus Monies for financing Loan Works Expenditure.	6,43,65,321.48		9,14,08,207.70		11,68,27,885.88		27,26,01,415.06	
Plant & Machinery Purchase out of Surplus Cash Balance.								
Pension Fund.	16,68,35,827.97						16,68,35,827.97	
Gratuities Fund.	57,11,167.55						57,11,167.55	
Amounts transferred within Bundget 'A'								
Divisions.	80,89,55,315.48		57,81,77,972.89		44,53,44,593.45		1,83,24,77,881.80	
Amounts transferred to Budget 'G'.	1,48,89,82,906.47						1,48,89,82,906.47	
Improving Common House Gullies.	4,61,259.13						4,61,259.13	
Contribution Receivable from Budget 'E'.	58,37,80,973.58						58,37,80,973.58	
Advance for Deposit with outside bodies.			2,000.00				2,000.00	
Unadjusted Reserve Stores Account Stock.	66,63,427.78						66,63,427.78	
Halalkhore Services.								
Advances Special Funds for Purchase of Plant and Machinery.								
Municipal Debt Interest			9,34,56,075.53				9,34,56,075.53	
Advance for unforeseen works during draught period	16,652.34						16,652.34	
Adv. for consolidation of passing in put compant	31,067.90						31,067.90	
Advances for Improvement of Private Streets.								
Total III—(Other Sup.)	22,05,12,38,991.10		2,26,34,04,588.77		1,57,51,25,011.29		25,88,97,68,591.16	
Total (C) Suspence Receipts	27,86,91,70,598.67		2,56,14,88,423.07		1,98,05,27,375.93		32,41,11,86,397.67	
Total Receipt Budget 'A'	30,67,39,20,648.33		3,00,68,10,075.31		2,23,65,27,174.72		35,91,62,57,698.36	
Tree Authority Budget	25,92,801.10						25,92,804.10	

APPENDIX—15—(Contd.)
(Consolidated)

Account Heads	Division I (City)		Division II (W. S.)		Division III (E. S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'B' RECEIPTS								
(A) General Account Revenue								
I Rent and other Proceeds of Properties.	1,86,68,818.19	2,76,90,509.03	44,79,001.86	8,61,758.65	5,17,00,087.73			
II Contribution from B. M. C. under section 125(2)(d) of the B.M.C. Act.	3,36,97,714.00	6,08,55,450.71	...	...	9,45,53,164.71			
IV Interest and Profit on Investments	...	...	...	...	...
V Miscellaneous Receipts.	40,17,989.51	...	...	1,19,685.16	41,37,674.67			
VI Grant Assistance from Govt. of India for Improvement Stums.	...	...	...	...	...
VII Appropriation from Capital Account to meet the deficit.	3,16,94,978.49	...	36,86,294.77	59,45,796.07	4,13,27,069.33			
Contribution from Budget 'A'	...	...	...	...	...
Total (A) General Revenue.	8,80,79,500.19	8,85,45,959.74	81,65,296.63	69,27,239.88	19,17,17,996.44			
(B) Capital Account Receipts								
Sale Proceeds of Lands, Building etc.	4,85,676.15	...	...	1,24,388.49	6,10,063.64			
Transfer of Revenue Surplus from General Account	...	...	...	...	...
New Loans raised during 1983-84.	...	...	...	...	...
Advance from Surplus Monies.	3,30,88,478.17	3,12,13,206.79	41,30,038.35	58,79,726.01	7,43,11,449.32			
Reimbursement from Maharashtra Slum Improvement Board	...	1,44,16,941.00	...	...	1,44,16,941.00			
Reimbursement from Collector of Bombay Suburbs District.	...	82,00,000.00	...	...	82,00,000.00			
Total (B) Capital Receipts	3,35,74,153.32	5,38,30,147.79	41,30,038.35	60,04,114.50	9,75,38,453.96			
(C) Suspense Account Receipts								
1. Sinking and Special Funds Accounts								
(a) Sinking Fund Account.	66,16,454.45	6,13,086.00	22,30,670.23	22,46,784.34	1,17,07,025.00			
(b) Investment Reserve Fund Accounts	27,02,858.75	...	...	...	27,02,858.75			
(c) Rent Equalisation Fund Account	10,15,036.01	...	...	...	10,15,036.01			
(d) Amenities Fund Account	4,61,166.99	...	...	...	4,61,166.99			
Total 1 (S. and S. Funds)	1,07,95,546.00	6,13,086.00	22,30,670.23	22,46,784.34	1,58,86,086.75			
II Paper and Cash Account.								
(a) Sinking Fund.	1,53,39,193.37	61.50	14,59,338.20	8,96,219.20	1,76,94,812.82			
(b) Capital Fund.	...	...	...	...	...
(c) Investment Reserve Fund.	43.13	...	...	...	43.13			
(d) Rent Equalisation Fund.	53.37	...	...	...	53.37			
(e) Amenities Fund.	8.75	...	...	...	8.75			
Total II—(Papers & Cash)	1,53,39,298.62	61.50	14,59,338.75	8,96,219.20	1,76,94,918.07			
III—Other Suspense Accounts.								
Loan Redemption Fund	1,40,00,000.00	...	2,42,715.94	1,38,316.16	1,43,81,032.10			
B.I.T. Loans Interest Warrants Payable Account	...	...	...	...	...
Total—III (Other Susp.)	1,40,00,000.00	...	2,42,715.94	1,38,316.16	1,43,81,032.10			
Total (C) Suspense Receipts	4,01,34,844.80	6,13,147.50	39,32,724.92	32,81,319.70	4,79,62,036.92			
Total Receipts Budget 'B'	16,17,88,498.31	14,29,89,255.03	1,62,28,059.90	1,62,12,674.08	13,72,18,487.32			

APPENDIX — 15—(Contd.)
(Consolidated)

Account Heads	Division I (City)		Division II (W. S.)		Division III (E. S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' (Part I).								
EXPENDITURE								
A) Revenue Account—								
I—General Supervision, Collection of Revenue, etc.								
A—General Superintendence.	8,06,46,727.28		1,58,54,384.83		1,15,85,752.73		10,80,86,864.84	
B—Collection of Revenue.	4,54,85,644.14		1,28,84,490.25		72,55,110.06		6,56,25,244.45	
C—Upkeep and guarding of Municipal Offices.	75,73,954.62		23,04,215.32		15,96,379.85		1,14,74,549.79	
D—General Stores.	29,79,608.40		...		...		29,79,608.40	
B—Legal Department.	47,71,243.08		1,39,700.18		115.95		49,11,059.21	
F—Miscellaneous Charges.	18,18,972.48		1,41,532.00		1,83,562.40		21,44,066.88	
G—Election Expenses.	1,11,83,976.47		...		...		1,11,83,976.47	
H—Providens Fund Charges.	9,40,043.00		2,16,859.03		1,57,299.00		13,14,201.03	
I—Debt Charges.	74,60,878.78		31,92,208.37		15,88,677.16		1,22,41,064.31	
J—Encouraging Sports activities.	68,500.00		...		...		68,500.00	
K—Payment of Bank Commission Charges.	7,292.21		...		...		7,272.21	
	16,29,36,840.46		3,47,33,389.98		2,23,66,897.15		22,00,37,127.59	
Deduct : Proportion of General superintendence.	Cr. 4,05,40,736.46		Cr. 1,21,32,753.84		Cr. 73,21,569.93		Cr. 5,99,94,060.23	
	12,23,96,104.00		2,26,01,636.14		1,50,45,327.22		16,00,43,067.36	
II—Museums—								
A—Dr. Bhau Daji Lad Museum.	3,81,466.18		...		...		3,81,466.18	
B—Provident Fund Charges.	1,530.00		...		...		1,530.00	
C—Debt Charges.	...		...		...		...
	3,82,996.18		...		...		3,82,996.18	
III—Free Reading Rooms and Libraries—								
A—Municipal Free Reading Rooms & Libraries.	9,49,427.91		9,28,998.39		2,86,500.00		21,64,926.30	
B—Provident Fund Charges.	1,058.00		...		...		1,058.00	
C—Debt Charges.	1,11,812.05		1,443.87		...		1,13,255.92	
	10,62,297.96		9,30,442.26		2,86,500.00		22,79,240.22	
IV—Municipal High Schools.								
A—Municipal High Schools.	5,40,38,105.81		...		...		5,40,38,105.81	
B—Provision Fund Charges.	1,75,000.00		...		...		1,75,000.00	
C—Pension Fund.	5,30,379.42		...		...		5,30,379.42	
	5,47,43,485.23		...		...		5,47,43,485.23	
V—Street Cleansing, Conservancy and Halalkhore Service—								
A—Street Cleansing and Conservancy.	2,13,67,310.56		1,02,62,788.76		64,53,590.23		3,80,83,689.55	
B—Collection, Loading, Removal and Disposal of Town Refuse.	17,01,54,383.98		6,33,44,804.48		4,50,86,940.54		27,85,86,129.00	
C—Halalkhore Service.	1,18,02,835.24		1,35,32,980.93		70,55,896.70		3,23,91,712.87	
D—Provident Fund Charges.	5,97,744.00		1,98,402.00		1,77,105.00		9,73,251.00	
B—Debt Charges.	33,57,419.71		22,16,229.42		27,47,047.60		83,20,696.73	
	20,72,79,693.49		8,95,55,205.59		6,15,20,580.07		35,83,55,479.15	
VI—S. W. Drains—								
Maintenance of S. W. Drains.	79,00,982.48		1,40,78,535.96		1,51,84,685.84		3,71,64,204.28	
B—Provident Fund Charges.	...		841.81		8,800.00		9,641.81	
C—Debt Charges.	57,46,061.69		83,12,522.35		54,69,118.68		1,95,27,702.72	
	1,36,47,044.17		2,23,91,900.12		2,06,62,604.52		5,67,01,548.81	
VII—Mechanical and Electrical.								

APPENDIX—15—(Contd.)
(Consolidated).

Account Heads	Division I City		Division II (W. S.)		Division III (E. S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE (Contd.)								
A—Mechanical Engineer's Office Establishment.	45,10,184.50		3,86,618.22		716.31		48,97,519.03	
B—Maintenance of Electric Installations	...		7,45,916.46		71,688.75		8,17,605.21	
C—Provident Fund Charges.	1,01,000.00		6,590.00		...		1,07,590.00	
D—Debt Charges.	Cr. 1,42,164.40		22,071.00		...		Cr. 1,20,093.40	
B—Contribution to Motor Vehicle (T.P.) Insurance Fund.	5,54,302.85		...		...		5,54,302.85	
	50,23,322.95		11,61,195.68		72,405.06		62,56,923.69	
VIII—Building, Land Acquisition and Management.								
A—City Engineer's Central Office Establishment.	65,47,524.00		43,11,083.33		28,90,018.87		1,37,48,626.20	
B—Inspection and Supervision of Private Buildings.	62,45,725.03		14,35,206.57		9,60,996.33		86,41,927.93	
C—Architectural.	6,02,631.22		...		...		6,02,631.22	
D—Land Acquisition and Management.	64,87,190.79		2,44,769.10		10,219.72		67,42,179.61	
E—Inspection and Supervision of Factories, Workshops and Work Places.	6,65,561.49		7,80,115.52		3,37,374.51		17,83,051.52	
F—Industrial Estates.	5,98,434.30		...		...		5,98,434.30	
G—Provident Fund Charges.	4,09,028.00		10,000.00		38,710.00		4,57,738.00	
H—Debt Charges.	1,00,35,818.59		52,17,282.61		20,94,500.84		1,73,47,602.04	
	3,15,91,913.42		1,19,98,457.13		63,31,820.27		4,99,22,190.82	
Deduct—2½ Percent Supervision chargeable to Imp. Scheme A/c.	Cr. 42,414.95		...		...		Cr. 42,414.95	
	3,15,49,498.47		1,19,98,457.13		63,31,820.27		4,98,79,775.87	
IX—Fire Brigade—								
A—Maintenance.	1,88,30,862.19		31,36,786.58		36,78,523.26		2,56,46,172.03	
B—Provident Fund Charges.	91,000.00		11,747.00		8,409.00		1,11,156.00	
C—Pension, Gratuities and Compassionate Allowances.	6,510.00		...		...		6,510.00	
D—Proportion of General Supervision and Collection of Revenue.	12,89,063.04		3,70,707.96		2,14,220.99		18,73,991.99	
E—Debt Charges.	73,95,643.67		64,92,251.71		11,30,981.16		1,50,18,876.54	
F—Contribution to Fire Brigade Employees Accident Compensation Fund.	1,00,000.00		...		...		1,00,000.00	
	2,72,13,078.90		1,00,11,493.25		60,32,134.41		4,27,56,706.56	
X—Licensing and Removal of Encroachments on Public Streets.								
A—Licensing Establishment.	51,68,395.17		21,19,357.75		14,64,874.77		87,52,627.69	
B—Removal of Encroachment on Public Streets.	65,84,770.78		18,95,475.32		14,05,313.37		98,85,559.47	
C—Provident Fund Charges.	1,53,000.00		54,070.00		31,303.00		2,38,373.00	
D—Debt Charges.	1,37,773.08		...		...		1,37,773.08	
	1,20,43,938.03		40,68,903.07		29,01,491.14		1,90,14,333.24	
XI—Administration Shops and Establishment Act. 1948.								
A—Administration of Shops and Establishment Act 1948.	25,39,495.43		10,47,308.16		5,42,105.00		41,28,908.59	
B—Provident Fund Charges.	74,000.00		13,860.00		13,218.00		1,01,078.00	
	26,13,495.43		10,61,168.16		5,55,323.00		42,29,986.59	

APPENDIX — 15—(Contd.)
(Consolidated)

Account Heads	Division I (City)		Division II (W. S.)		Division III (E. S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
XII—Gardens, Recreation Centres and Open Spaces.								
A—Gardens.	1,54,32,232.08		76,62,480.87		46,26,468.40		2,77,20,181.15	
B—New Gardens, Recreation Grounds, etc.	80,674.81		24,421.99		1,22,857.30		2,27,954.10	
C—Open Air Theatres.	2,24,862.94		2,74,680.62		...		4,99,543.56	
D—M. G. M. O. Swimming Pool.	3,92,297.80		...		...		6,92,297.80	
E—Krida Kendra and Social Welfare Centres.	3,30,042.40		...		...		3,30,042.40	
F—Sardar V. P. S. Pool Kandivali.	...		3,18,302.05		...		3,18,302.05	
G—Ghatkopar Lion's Municipal Swimming Pool.	...		...		4,34,694.96		4,34,694.96	
H—L. Dinanath Mangeshkar Natya Mandir.	...		7,99,232.46		...		7,99,232.46	
I—S. Pool Siddharth Nagar Goregaon.	...		6,22,281.84		...		6,22,281.84	
J—Provident Fund Charges.	47,732.00		9,428.00		10,676.00		67,836.00	
K—Debt Charges.	29,49,882.02		69,26,029.50		47,57,683.87		1,36,32,595.39	
L—Sportscomplex Swimming Pool Mulund	...		...		3,50,737.04		3,50,737.04	
	1,97,57,724.05		1,56,36,857.13		1,03,02,117.57		4,56,95,698.75	
XIII—Markets.								
A—Markets.	2,57,43,693.22		70,81,301.61		22,71,546.12		3,50,96,540.95	
B—Provident Fund Charges.	64,597.00		23,346.00		10,270.00		98,213.00	
C—Pension, Gratuities and Compansionate Allowance.	18,970.00		24,000.00		11,000.00		53,970.00	
D—Proportion of General Supervision.	35,16,988.36		9,89,475.36		3,52,549.30		48,59,013.62	
E—Debt Charges.	52,10,326.02		29,05,610.76		4,25,569.30		85,41,506.08	
	3,45,54,574.60		1,10,23,733.73		30,70,934.72		4,86,49,243.05	
BUDGET 'A' EXPENDITURE (Contd.)								
XIV—Deonar Abaitor.								
A—Deonar Abaitor.	...		...		3,96,04,029.31		3,96,04,029.31	
B—Provident Fund Charges.	...		...		63,641.00		63,641.00	
C—Pension, Gratuities and Compansionate Allowance.	...		...		10,500.00		10,500.00	
D—Proportion of General Supdt.	...		...		7,09,873.87		7,09,873.87	
E—Debt Charges.	...		...		36,90,562.64		36,90,562.64	
	...		...		4,40,78,606.82		4,40,78,606.82	
XV—Traffic Operations, Roads and Bridges								
A—General.	83,10,316.67		54,62,785.69		43,22,400.96		1,80,95,503.32	
B—Traffic Planning and Operation.	37,69,186.38		6,59,938.05		32,046.07		44,51,170.50	
C—Road, Bridge Planning and Design	13,763.97		43,182.65		4,127.25		61,073.87	
D—Road and Bridge Maintenance	11,24,67,547.76		6,85,64,001.10		3,51,85,122.49		21,62,16,671.35	
E—Rebate on account of compounded wheel tax permissible under section 185 of the B. M. C. Act.	...		...		...		...
F—Provident Fund Charges.	1,55,930.92		89,084.55		57,639.68		3,02,655.15	
G—Debt Charges.	7,32,19,314.30		5,61,60,930.46		2,75,51,537.98		15,69,31,782.74	
H—Proportionate Cost of Collection of Wheel Tax.	11,53,116.15		6,49,469.85		3,68,424.00		21,71,010.00	
I—Lumpsum provision for payment of Commission charges and interest on I.B.R.D. Loan.	...		...		...		...
I—Lumpsum provision for repayment of I.B.R.D. Loan No. 1336 I, N.	...		...		...		...
	19,90,79,176.15		13,16,29,392.35		6,75,21,298.43		39,82,29,866.93	

APPENDIX — 15. — (Contd.)

(CONSOLIDATED)

Account Heads	Division I (City)		Division II (W. S.)		Division III (E.S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
XVI—Contribution to—								
(a) Budget 'B' under section 125 (2)(d) of the Bombay Municipal Corporation Act.	1,48,24,944.00		1,38,45,280.00		50,27,490.00		3,36,97,714.00	
(b) Budget 'E' under section 126(c) of the Bombay Municipal Corporation Act.	3,70,62,360.00		3,46,13,170.00		1,25,68,710.00		8,42,44,240.00	
(c) Budget 'E' (Special Contribution) under section 126C (c.1) of the Bombay Municipal Act.	30,66,00,000.00		...		...		30,66,00,000.00	
(d) Fines and Welfare Fund.	40,15,787.42		...		...		40,15,787.42	
(e) Tree Authority Fund.	20,10,139.56		...		...		20,10,139.56	
(f) Contribution to P.F. to meet the difference in interest allowed and that actually realised on investment of P.F.	90,00,000.00		27,00,000.00		14,00,000.00		1,31,00,000.00	
(g) Special Contribution to Slum Improvement to meet deficit in General Account.	6,08,55,450.71		...		...		6,08,55,450.71	
(h) Special Contribution to Budget B to meet deficit in General Account.	...		...		...		...
	43,43,68,681.69		5,11,58,450.00		1,89,96,200.00		50,45,23,331.69	
XVII—Miscellaneous—								
(a) Pension Fund.	14,05,00,000.00		...		2,00,000.00		14,07,00,000.00	
(b) Gratuity Fund.	12,72,140.02		6,96,480.44		3,01,000.00		22,69,620.46	
Deduct : Proportionate Share.	Cr. 25,480.00		...		...		Cr. 25,480.00	
	14,17,46,660.02		6,96,480.44		5,01,000.00		14,29,44,140.46	
XVIII—Measures for Civil Defence.	1,92,953.87		...		...		1,92,953.87	
XIX—Contribution to Bombay Building Repairs and Reconstruction Board.	3,60,00,000.00		...		...		3,60,00,000.00	
XX—Village amenities.								
A—Maintenance.	...		...		...		...
XXI—Lump-sum provision for Staff Contingencies.	...		...		...		...
XXII—Lump-sum Provision for up-keep of old and Historical monumental Bldgs. in the City.	...		...		...		...
XXIII—Lump sum provision for Deposit linked Insurance Scheme.	8,46,207.96		6,40,000.00		2,94,268.51		17,80,476.47	
XXIV—Lump-Sum provision for unforsee on works at Rs. 1,00,00 in each constituency.	4,09,378.64		4,61,167.97		3,37,178.46		12,07,724.17	
XXVI—Lump-sum Provision for Past Liabilities.	8,960.80		...		...		8,960.80	
XXVII—Lump Sum Provision for payment of Arrears on A/c. of Revision of Grades.	3,02,75,459.68		2,53,38,511.74		21,10,793.98		5,77,24,765.40	
Total—Part—I.	1,37,56,94,733.27		40,03,63,993.86		25,96,20,584.18		2,03,56,79,311.31	

BUDGET 'A' EXPENDITURE (Contd.)
Budget 'A' (Part II).

XXXI—Public Health Department—								
A—General Superintendence.	3,85,21,602.98		2,11,98,954.28		1,25,24,219.02		7,22,44,776.28	
B—Supply of Milk to the under nourished needy children attending Municipal Schools.	42,91,647.80		33,23,967.76		32,81,628.88		1,08,97,244.44	
C—Provident Fund Charges.	2,35,500.00		1,30,232.00		85,770.48		4,51,502.48	
D—Malaria Eradication Programme.	9,82,294.83		18,62,767.35		5,74,970.44		34,20,022.62	
E—Impounding Stray Cattle.	5,45,736.70		24,50,631.46		...		19,96,368.16	
G—Census.	...		...		...		...
H—Filaris Programme.	...		3,58,869.90		3,27,132.54		6,84,002.44	
I—Debt Charges.	16,84,840.34		27,11,953.37		13,68,493.54		56,65,387.25	
	4,81,722.65		3,10,36,366.12		1,81,62,214.90		9,53,69,303.67	

APPENDIX—15—(Contd.)
(Consolidated)

Account Heads	Division I (City)		Division II (W. S.)		Division III (E. S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
XXXII—Medical Relief and Education—								
A—Hospitals.	26,54,48,521.71		7,81,20,461.42		6,46,35,321.60		40,82,04,304.73	
B—maternity Homes.	1,65,37,269.46		1,01,87,602.47		81,29,064.86		3,48,53,936.79	
C—Dispensaries.	1,32,70,789.41		74,86,444.03		51,45,271.41		2,59,02,504.85	
D—Medical Education.	5,30,00,781.55		...		...		5,30,00,781.55	
E—Statutory Contributions to Government Medical Institutions.	...		...		...		...
P—Clinic for treatment of Leprosy Cases.	22,23,625.00		25,490.00		12,745.00		22,61,860.00	
G—Grant-in-Aid to Public Institutions.	1,56,71,295.71		9,75,036.75		3,20,000.00		1,69,66,332.46	
H—Provident Fund Charges.	6,98,501.00		40,170.00		71,971.00		8,10,642.00	
I—Debt Charges.	4,85,20,020.69		1,42,00,835.75		68,85,104.37		6,96,05,960.81	
	41,53,70,804.53		11,10,36,040.42		8,51,99,478.24		61,16,06,323.19	
XXXIII—Measures to Control Environmental Air Pollution in Greater Bombay—								
A—Dy. City Engineer (Mech. & Elec.) Air pollution prevention office.	2,53,751.44		...		...		2,53,751.44	
B—Airpollution Prevention cell.	28,97,979.03		...		...		28,97,979.03	
C—Health Survey Unit.	81,350.91		...		...		81,350.91	
D—Debt Charges.	27,68,222.17		...		...		27,68,222.17	
	60,01,303.55		...		...		60,01,303.55	
Total—Part—II.	46,75,33,830.73		14,20,71,406.54		10,33,61,693.14		71,29,66,930.41	
Total—(A) Revenue Expenditure.	1,84,32,28,564.00		54,24,35,400.40		36,29,82,277.32		2,74,86,46,241.72	
(B) Capital Account—								
I—General Supervision, Collection of Revenue, etc.	1,04,19,602.40		34,63,050.91		...		1,38,82,653.31	
II—Free Reading Rooms and Libraries.	4,89,741.09		2,04,674.46		20,53,783.94		27,43,199.49	
IV—S. W. Drains etc.	56,78,634.28		74,85,910.42		58,45,679.58		1,90,10,284.28	
V—Mechanical and Electrical.	...		...		...		...
VI—Building Land acquisition and Management.	47,54,281.59		12,05,584.10		12,07,903.35		71,67,769.04	
VII—Fire Brigade.	15,73,091.75		51,22,705.28		...		66,95,797.03	
VIII—Licensing, Removal of Encroachment etc.	...		...		...		...
IX—Gardens and Open Spaces.	1,03,41,736.28		2,82,90,354.23		1,16,50,071.37		5,02,82,161.88	
X—Markets.	26,30,161.48		1,68,288.28		8,07,458.00		36,05,907.76	
XI—Deonar Abattoir.	...		...		1,19,90,916.82		1,19,90,916.82	
XII—Village Amenities.	...		13,49,007.16		...		13,49,007.16	
XIII—Industrial Estates.	1,56,292.45		...		...		1,56,292.45	
XIV—Centenary Celebration Works.	...		9,58,545.44		15,74,247.31		25,32,792.75	
XV—Traffic Operations, Roads and Bridges.	8,46,67,544.30		3,51,95,358.65		4,43,81,103.31		16,42,44,006.06	
XVI—Works under B.U.D.P.I.	16,78,197.47		...		...		16,78,197.47	
Power Laundry.	...		...		...		...
Plant and Machinery out of Loan Funds.	1,63,23,968.64		23,84,576.45		2,71,021.90		1,89,79,566.89	
Supsense Account Mechanical Transport.	11,71,577.69		48,64,669.28		...		60,36,246.97	
Plant and Machinery Purchased out of different Special Funds.	...		...		...		...
Assets written off.	...		...		...		...
Recoupment of Advance for Purchase of Capital Stores.	34,084.06		...		...		34,084.06	
Printing Press.	...		...		...		...
Compost Plant.	...		...		...		...
Total—Part—I.	13,99,18,963.38		9,08,92,724.66		7,97,82,185.38		31,03,93,873.42	
XXI—Public Health Department.	21,15,220.53		20,81,801.50		6,60,393.34		48,57,415.37	
XXII—Medical Relief and Education.	6,00,72,486.72		1,67,48,640.50		20,64,528.41		7,88,83,655.63	
XXIII—Measures to Control Environmental Air Pollution in Greater Bombay.	4,12,773.06		...		...		4,12,773.06	
Plant and Machinery out of Loan Fund.	87,56,256.09		5,10,874.63		10,81,551.79		1,03,48,682.51	
Total—Part—II.	7,13,56,736.40		1,93,39,316.63		38,06,473.54		9,45,02,526.57	
Total—(B) Capital Expenditure.	21,12,75,699.78		11,00,32,041.29		8,35,88,658.92		40,48,96,399.99	

APPENDIX — 15 — (Contd.)

(CONSOLIDATED)

Account Heads	Division I (City)		Division II (W.S.)		Division III (E.S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE —(Contd.)								
C) Suspense Account								
I—Sinking and Special Fund Accounts.								
Sinking Fund Account — Municipal	7,26,77,265.88		5,20,52,824.36		...		12,47,30,090.24	
Special Fund Account.	36,49,10,086.80		...		...		36,49,10,086.90	
Loan Redemption Fund.	...		...		...		...
Total — I (S. and S. Funds)	43,75,87,352.68		5,20,52,824.36		...		48,96,40,177.04	
II—Paper and Cash Account.								
Sinking Fund.	8,49,99,291.78		5,43,17,804.20		14,70,377.00		14,07,87,472.98	
Special Fund.	50,86,12,207.27		...		...		50,86,12,207.27	
Surplus Fund.	60,99,79,727.74		6,63,91,018.63		20,00,00,000.00		87,63,70,744.37	
State Bank of India and Other Local Banks on account of Sundry Deposits.	4,81,22,85,778.31		11,44,48,988.12		20,04,86,912.81		5,12,72,21,679.24	
Total — II (Papers and Cash)	6,01,58,77,005.10		25,81,27,097.46		40,19,57,288.81		6,67,59,61,392.37	
III—Other Suspense Accounts								
Deposit Account.	6,52,60,97,115.00		35,87,96,939.94		29,58,49,021.72		7,18,07,43,076.66	
Reserve Stores Account.	11,10,21,598.36		...		...		11,10,21,598.36	
Capital Stores Account.	19,03,66,221.86		...		...		19,03,66,221.86	
Capital Stores Account (Foras Road Depot)	1,49,270.35		...		...		1,49,270.35	
Advances for purchase of Petrol and Diesel Oil.	57,90,852.39		30,71,783.95		...		88,62,636.34	
Advances for Departmental Works.	88,56,499.95		30,64,707.66		58,33,756.26		1,77,54,963.87	
Advances for Private Works.	46,59,137.34		69,729.74		...		47,28,867.08	
Advances Private Works — Traffic Amenities.	...		73,796.98		2,00,000.00		2,73,796.98	
Advances Departmental Works Traffic Amenities.	...		...		19,72,250.81		19,72,250.81	
Municipal Workshop.	80,02,387.25		29,75,382.22		...		1,09,77,769.47	
Municipal Foundry.	15,71,774.25		...		...		15,71,774.25	
Worli Crusher.	...		...		...		...
Mechanical Transport.	4,75,85,957.86		2,44,93,812.02		...		7,20,79,769.98	
Asphalt Plant.	60,96,749.33		...		...		60,96,749.33	
Municipal Printing Press.	2,00,36,624.60		...		...		2,00,36,624.60	
Rota Printing Unit.	36,33,821.67		...		...		36,33,821.67	
Advances Special Funds.	44,64,155.17		...		...		44,64,155.17	
Municipal Contractors.	3,98,985.71		3,924.63		43,046.45		4,45,956.79	
Municipal Tenderers.	...		...		...		...
Advances for Demolition of Unauthorised Structures and Removal of unsafe Buildings.	55,38,208.59		1,99,250.33		3,00,000.00		63,37,458.92	
Advances to Public including Co-operatives for Housing purposes.	3,27,11,925.00		...		...		3,27,11,925.00	
Municipal Power Laundry.	77,18,327.28		...		...		77,18,327.28	
Advances to Municipal Officers.	12,64,867.00		25,550.00		83,600.00		13,74,017.00	
Advances, Sundry Advances Miscellaneous.	22,40,26,201.24		9,10,18,370.07		7,79,21,527.60		39,29,66,098.91	
Provident Fund.	22,20,94,454.83		75,44,801.00		55,96,318.72		23,52,35,574.55	
Pension Fund.	16,68,35,827.97		...		...		16,68,35,827.97	
Gratuity Fund.	57,11,167.55		...		...		57,11,167.55	
Welfare Fund.	...		28,000.00		33,500.00		62,500.00	
Fines Fund.	12,386.21		...		...		12,386.21	
Fidelity Guarantee Insurance Fund.	3,160.36		...		...		3,160.36	
Reinstatement of Trenches.	1,09,15,035.15		25,89,950.36		47,21,798.53		1,82,26,784.04	
Advances from Surplus Monies for Financing Capital Works Expenditure.	7,43,11,449.32		...		...		7,43,11,449.32	
Total — (C) — III — (Other Susp.) C/F.	7,68,98,74,159.69		49,39,56,998.90		39,25,54,820.09		8,57,63,85,978.68	

Appendix — 15 (Contd.)
(CONSOLIDATED)

Account Heads	Division I (City)		Division II (W.S.)		Division III (E.S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Total — (C) III (Other Susp.) B/F.	7,68,98,74,159.69		49,39,56,998.90		39,25,54,820.09		8,57,63,86,978.68	
Dishonoured cheques.	5,45,24,203.93		1,87,44,079.94		68,81,234.36		8,01,49,518.23	
Advances for Halalkhore Service.	...		...		...		...
Improving common House Gullies in the city.	...		...		...		...
Advances for Improvement of Private streets.	...		...		...		...
Advances for Deposit with Outside Bodies.	38,290.20		21,600.00		6,900.00		64,790.29	
Advance for Security Deposit with S. B. I.	...		...		...		...
Interest accrued but not paid.	9,31,374.32		5,67,859.80		...		14,99,234.12	
Interest receivable Account.	...		...		...		...
Interest on Loans Payable Account.	2,25,490.00		3,26,923.25		...		5,52,413.25	
B.M.C. Loans Interest Warrants Payable Account.	3,89,45,803.27		6,92,79,661.53		...		10,82,25,464.80	
Repayment of B.M.C. Loans.	6,05,63,898.13		5,15,00,000.00		...		11,20,63,898.13	
Cash Bill Outstanding Account.	9,43,849.47		1,16,394.22		6,841.10		10,66,884.79	
Cheques Payable.	11,15,95,02,462.42		80,97,62,914.77		60,87,22,845.30		12,87,79,88,222.49	
Wages Deposit Account.	...		...		...		...
Amount Transferred from Mun. General Fund Budget A Div. I to Budget 'E'.	55,33,48,492.59		...		...		55,33,48,492.59	
Amount transferred to Budget 'G'.	1,61,07,78,192.14		...		...		1,61,07,78,192.14	
Amount transferred within Budget 'A' Divisions.	98,91,17,975.30		49,56,09,836.06		36,71,50,070.45		1,83,24,77,881.80	
Unadjusted Reserve Stores Account Stock.	46,60,201.12		...		...		46,60,201.12	
Unadjusted Reserve Stores (Foras Road Depot).	...		...		...		...
Municipal Debt. Interest.	...		9,34,56,075.53		...		9,34,56,075.53	
Advances Suspense Account accumulated Surplus Balance payable to Budget 'G'.	...		...		...		...
Compost Plant debt Charges.	...		...		88,237.41		88,237.41	
Advances for consolidation of Passage in Pvi. Compounds.	...		...		...		...
Total — III (Other Susp.)	22,14,34,52,132.58		2,03,33,42,343.99		1,37,60,10,948.71		25,55,28,05,425.28	
Total (C) Suspense Expenditure.	28,59,69,16,490.36		2,34,35,22,265.81		1,77,79,68,238.52		32,71,84,06,994.69	
Total Expenditure Budget 'A'.	30,65,14,20,754.14		2,99,59,89,707.50		2,22,45,39,174.76		35,87,19,49,636.40	
Tree Authority Budget.	25,92,804.10		...		...		25,92,804.10	

Appendix — 15 (Contd.)
(CONSOLIDATED)

Account Heads.	Improvement Scheme		Slum Improvement		Slum Clearance (City)		Slum Clearance (Western & Eastern Suburbs)		Total Budget 'B'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'B' EXPENDITURE										
IMPROVEMENT SCHEME ACCOUNT										
(A) General Account Expenditure.										
A—Maintenance of Properties and Streets.	7,93,97,742.19		8,69,31,425.74		38,56,755.65		27,01,500.88		17,28,87,424.46	
B—Cost of Management and Establishment.	2,14,79,733.32		...		...		...		2,14,79,733.32	
C—Proportionate Charges on account of Municipal Supervision. Deduct — Proportionate Share of Cost of Management & Establishment.—	91,34,186.85		...		...		...		91,34,186.85	
(a) General Account.	Cr. 3,04,31,343.19		...		...		...		Cr. 3,04,31,343.19	
(b) Capital Account.	Cr. 1,82,576.98		...		...		...		Cr. 1,82,576.98	
D — Debt Charges.	86,81,758.00		16,14,534.00		43,08,540.98		42,25,739.00		1,88,30,571.96	
E— Lumpsum Provision for Deposit linked Insurance Scheme.	...		...		...		...		...
Total (A) General Account Expenditure	8,80,79,500.19		8,85,45,959.74		81,65,296.63		69,27,239.88		19,17,17,996.44	
(B) Capital Account Expenditure, Improvement and Street etc., Schemes Expenditure.										
Proportionate Share of Cost of Management and Establishment.	1,82,576.98		...		...		...		1,82,576.98	
Deficit in General Account —	3,16,94,978.49		...		36,86,294.77		59,45,796.07		4,13,27,069.33	
Total (B) Capital Expenditure.	3,35,74,163.32		5,38,30,147.79		41,30,038.35		60,04,114.50		9,75,38,453.96	
(C) Suspense Account Expenditure.										
I—Sinking etc. Fund Account.										
(a) Sinking Fund Account.	1,40,18,657.49		...		10,287.94		1,825.91		1,40,90,771.34	
Total — I (S. Fund).	1,40,18,657.49		...		10,287.94		1,825.91		1,40,30,771.34	
II — Papers and Cash Accounts.										
(a) Sinking Fund.	79,37,020.31		6,13,147.50		36,79,721.04		31,41,177.63		1,53,71,066.48	
(b) Capital Fund.	...		...		...		...		...
(c) Investment Reserve Fund.	27,02,901.88		...		...		...		27,02,901.88	
(d) Rent Equalisation Fund.	10,15,089.38		...		...		...		10,15,089.38	
(e) Amenities Fund.	4,61,175.74		...		...		...		4,61,175.74	
Total—II (Papers and Cash)	1,21,16,187.31		6,13,147.50		36,79,721.04		31,41,177.63		1,95,50,233.48	
II—Other Suspense Account.										
Repayment of B.I.T. etc. Loans.	1,40,00,000.00		...		2,42,715.94		1,38,316.16		1,43,81,032.10	
B.I.T. Interest Warrants Payable Account.	...		...		...		...		...
Total—III (Other Susp.)	1,40,00,000.00		...		2,42,715.94		1,38,316.36		1,43,81,032.10	
Total—(C) Suspense Expenditure.	4,01,34,844.80		6,13,147.50		39,32,724.92		32,81,319.70		4,79,62,036.92	
Total Expenditure Budget 'B'	16,17,88,498.31		14,29,89,255.03		1,62,28,059.90		1,62,12,874.08		33,72,18,487.32	

Appendix No. 15 Concl.
(Consolidated)

RECEIPTS						
Division - I (City)		Division - II (W. S.)		Division - III (E. S.)		Total
Rs.	P.	Rs.	P.	Rs.	P.	Rs. P.
8,58,09,888.74		4,58,95,522.84		2,40,22,257.71		15,57,27,669.29
2,45,15,96,377.37		31,13,20,322.44		17,24,11,139.87		2,93,53,27,839.68
35,31,53,672.29		13,30,01,329.80		8,35,88,658.92		56,97,43,661.01
27,86,91,70,598.67		2,56,14,88,423.07		1,98,05,27,375.93		32,41,11,86,397.67
30,67,39,20,648.33		3,00,58,10,075.31		2,23,65,27,174.72		35,91,62,57,898.36
25,92,804.10						25,92,804.10
19,17,17,996.44						19,17,17,996.44
9,75,38,453.96						9,75,38,453.96
4,79,62,036.92						4,79,62,036.92
33,72,18,487.32						33,72,18,487.32
31,01,37,31,939.75		3,00,58,10,075.31		2,23,65,27,174.72		36,25,60,69,189.78
31,09,95,41,828.49		3,05,17,05,598.15		2,26,05,49,432.43		36,41,17,96,859.07

ACCOUNTS	DISBURSEMENTS							
	Division - I		Division - II (W. S.)		Division - III (E. S.)		Total	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Operating Balance as at 1st April 1985.								
Budget 'A'								
(A) Revenue Account.	1,84,32,28,564.00		54,24,35,400.40		36,29,82,277.32		2,74,86,46,241.72	
(B) Capital Account.	21,12,75,699.78		11,00,32,041.29		8,35,88,658.92		40,48,96,399.99	
(C) Suspense Account.	28,59,69,16,490.36		2,34,35,22,265.81		1,77,79,68,238.52		32,71,84,06,994.69	
Total — Budget 'A'	30,65,14,20,764.14		2,99,59,89,707.50		2,22,40,39,174.76		35,87,19,49,636.40	
Tree Authority Budget.	25,92,804.10						25,92,904.10	
Budget 'B'								
(A) General Account.	19,17,17,996.44						19,17,17,996.44	
(B) Capital Account.	9,75,38,453.96						9,75,38,453.96	
(C) Suspense Account.	4,79,62,036.92						4,79,62,036.92	
Total Budget 'B'	33,72,18,487.32						33,72,18,487.32	
Total Budgets 'A' + 'B' TA	30,99,12,32,045.56		2,99,59,89,707.50		2,22,45,39,174.76		36,21,17,60,927.82	
Closing Balance as at 31st March 1986 as reconciled below* with the Cash Position.	10,83,09,782.93		5,57,15,890.65		3,60,30,257.67		20,00,35,931.25	
GRAND TOTAL	31,09,95,41,828.49		3,05,17,05,598.15		2,26,05,49,432.43		36,41,17,96,859.07	
* Bank Reconciliation :								
Balance as per Bank's Pass Book	5,90,17,874.29		1,49,79,952.79		1,26,06,784.37		8,66,04,611.45	
Add : Revenue sent to the Bank of 31st March 1986 but acknowledged on 1st April 1986.	46,41,155.91		33,95,014.76		28,66,432.45		1,09,02,608.12	
Less : Uncashed Cheques.	14,88,16,818.38		1,39,69,260.66		52,55,823.95		16,80,41,902.99	
Total Bank Position.	Cr. 8,51,57,788.18		44,05,706.89		1,02,17,392.87		Cr. 7,05,34,688.42	
Balance in Bank as per Day Book (column No. 10)—								
Balance in Office. in Government Promisory Notes, etc.	4,71,690.00		19,55,805.00		3,47,080.00		27,74,525.00	
Balance in Office in Cash.	19,29,95,881.11		397.56		1,062.21		19,29,97,340.88	
Collection kept in office Treasury.			4,93,53,981.20		2,54,44,772.69		7,47,98,753.79	
Total—Office Position.	19,34,67,571.11		5,13,10,183.78		2,57,92,864.80		27,05,70,619.67	
Closing Balance as at 31st March 1986 as shown above*	10,83,09,782.93		5,57,15,890.65		3,60,10,257.67		20,00,35,951.25	

APPENDIX No. 27.
IMPROVEMENT SCHEMES
General Account for the year ending 31st March 1986.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 35.	8,80,79,500	By Revenue Receipts as per Appendix No. 31.	5,65,84,522
		Balance being deficit transferred to Capital Account Balance Sheet.	3,16,94,978
Total	8,80,79,500	Total	8,80,79,500

APPENDIX No. 28

Slum Clearance Account— (City) General Account for the year ending 31st March 1986.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix 36	81,65,297	By Revenue Receipts under — I—Rent and other proceeds of properties. II—Interest and Profits on Investments. IV—Transfer of excess in Sinking Fund.	44,79,002
		Balance being Deficit transferred to Capital Account Balance Sheet.	36,86,295
Total	81,65,297	Total	81,65,297

APPENDIX No. 29.

Slum Clearance Account —(Western and Eastern Suburbs) General Account for the ending 31st March 1986.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix 37.	69,27,240	By Revenue Receipts under — (a) Rents and other proceeds properties. (b) Receipts from Social Welfare Centre at S. G. Barve Nagar.	8,49,964
		II—Interest and Profits on Investments	11,795
		III—Miscellaneous Receipts.	1,19,685
		Balance being Deficit transferred to Capital Account Balance Sheet.	59,45,796
Total	69,27,240	Total	69,27,240

APPENDIX No. 30.

Improvement Schemes Account Slum Improvement General Account for the year ending 31st March 1986.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 38	8,85,45,960	By Revenue Receipts as per Appendix No. 34 under	
		(i) Hutment Colony.	2,76,90,509
		(ii) Contribution from Budget 'A'.	
		(ii) Contribution from Budget 'A'.	6,08,55,451
		(iii) Subsidy for Meeting the deficit.	...
Total	8,85,45,960	Total	8,85,45,960

APPENDIX No. 39.
IMPROVEMENTS SCHEMES
Capital Account Balance Sheet—as on March 1986.

LIABILITIES		AMOUNT		ASSETS		AMOUNT		
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Loan Outstanding—					Block Account—			
(Vide details as shown in appendix No. 52)	...		10,19,28,000.00		Property and Assets at original cost as per Appendix No. 43.	...	41,79,26,550.63	
Loan—Redemption Fund	...		17,85,82,489.06		Less—Assets Credited by—			
Advance from Surplus Money	...		14,68,27,601.99		(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 Buildings.	...	9,82,00,612.30	-10,66,38,442.30
Book value of land comprised in Schedule 'W' and 'X'	...		47,58,490.00		Book value of lands comprised in Schedule 'W' & 'X' as per Appendix No. 47 (Section 97A of B.M.C. Act).	...	47,58,490.00	
Sinking Fund on Loans	...		6,32,41,274.35		Investment—		47,58,490.00	
Special Funds—					* Sinking Fund in Paper & Cash as per Appendix No. 48.	...	6,32,41,274.35	
Investment Reserve Fund	...		3,38,63,242.40		†† Investment Reserve Fund in Securities & Cash	...	3,38,63,242.40	
Amenities Fund	...		51,09,073.47		†† Amenities Fund in Securities & Cash	...	51,09,073.47	
Rent Equalisation Fund	...		1,47,32,798.69		†† Rent Equalisation Fund in Securities & Cash	...	1,47,32,798.69	
Less—			54,90,42,969.96		Capital Fund—			
Revenue Deficit—					In Fixed Deposit	...		
Deficit upto 31st March 1985	8,43,55,004.23				In Cash	...		
Add: Deficit during 1985-86	3,16,94,978.49							
			-11,60,49,982.72					
Total :			43,29,92,987.24		Total :		43,29,92,987.24	

* For Face, Book and Market Value of Securities held in the Sinking Fund on 31st March 1986, please see Appendix No. 55.

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

†† Corporation of Face, Purchase and Market Values as on 31st March 1986 of the different Securities held in the following Funds.

†† Particulars of Securities	Face Value		Purchase rate percent	Actual cost at purchase rate		Market rate percent		Market Value	
	Rs.	P.		Rs.	P.	Rs.	P.		
Investment Reserve Fund.									
6% Rs. 400 Lakhs Budget 'A' Div.-I Loan 1972-73	13,31,500		Par	13,34,500.00		Par	13,31,500.00		
6¼% Rs. 75 Lakhs Slum City Loan 1975-76	12,51,900		Par	12,51,900.00		Par	12,51,900.00		
6¼% Rs. 50 Lakhs Slum Suburbs Loan 1977-78	12,92,600		Par	12,92,600.00		Par	12,92,600.00		
7½% Rs. 600 Lakhs Budget 'A' Div.-I Loan 1982-83	13,71,400		Par	13,71,400.00		Par	13,71,400.00		
8½% Rs. 400 Lakhs Bud. 'A' Division III Loan 1983-84.	2,86,15,800		Par	2,86,15,800.00		Par	2,86,15,800.00		
Total :	3,38,63,200			3,63,15,200.00			3,38,63,200.00		
Amenities Fund.									
6% Rs. 50 Lakhs Budget 'B' Loan 1966-67	1,97,900		Par	1,97,900.00		Par	1,97,900.00		
6¼% Rs. 75 Lakhs Slum City Loan 1975-76	1,84,400		Par	1,84,900.00		Par	1,84,400.00		
6¼% Rs. 50 Lakhs Slum Suburbs Loan 1977-78	2,49,700		Par	2,49,700.00		Par	2,49,700.00		
7½% Rs. 600 Lakhs Budget 'A' Div.-I Loan 1982-83	2,63,200		Par	2,63,200.00		Par	2,63,200.00		
8¼% Rs. 400 Lakhs Bud. 'A' Division III Loan 1983-84.	42,13,800		Par	42,13,800.00		Par	42,13,800.00		
Total :	51,09,000			51,09,000.00			51,09,000.00		
Rent Equalisation Fund									
6% RRs. 250 Lakhs Budget 'A' Division Loan 1966-67	1,31,45,300		Par	1,31,45,200.00		Par	1,31,45,200.00		
6% Rs. 400 Lakhs Budget 'A' Div.-I Loan 1972-73	4,12,300		Par	4,12,300.00		Par	4,12,300.00		
6¼% Rs. 50 Lakhs Slum Suburbs Loan 1977-78	5,72,500		Par	5,72,500.00		Par	5,72,500.00		
7½% Rs. 600 Lakhs Budget 'A' Div.-I Loan 1982-83	6,02,700		Par	6,02,700.00		Par	6,02,700.00		
Total :	1,47,32,700			1,47,32,700.00			1,47,32,700.00		

APPENDIX No. 40.
Slum Clearance City
Capital Account Balance Sheet as on 31st March 1986.

LIABILITIES	Account		ASSETS	Amount	
	Rs.	P.		Rs.	P.
Loan Outstanding (Vide details as shown in Appendix No. 53).	5,34,38,745.47		Block Account—		
Subsidy from Government	1,06,52,426.00		Property and Assets at original cost as per Appendix No. 44		5,61,41,001.41
Sale proceeds up to 31st March 1986	33,028.68		Investment—		
Sinking Fund on Loans	2,22,78,078.09		Sinking Fund as per Appendix No. 49		2,22,78,078.09
Loan Redemption Fund	91,62,170.53		Capital Fund—		
Advance from Surplus monies	3,61,30,749.33		In Fixed Deposit	...	
			Cash	...	
		13,16,95,198.10			
Less—					
Revenue Deficit—					
Deficit upto 31st March					
1985	4,95,89,813.83				
Add—Deficit during					
1985-86	36,86,294.77				
		—5,32,76,108.60			
Total :	7,84,19,089.50		Total :		7,84,19,089.50

Appendix No. 41
Slum Clearance Suburbs Extended Suburbs.
Capital Balance Sheet as on 31st March 1986.

LIABILITIES	Amount		ASSETS	Amount	
	Rs.	P.		Rs.	P.
Loan Outstanding (Appendix No. 53)	5,21,83,991.37		Block Account—		
Subsidy from Government	57,82,779.00		Property and Assets at original cost as per Appendix No. 45		4,54,44,941.55
Sinking Fund on loans	2,13,72,719.97		Investment—		
Sale proceeds upto 31st March 1986	43,71,146.36		Sinking Fund as per Appendix No. 50		2,13,72,719.97
Loan Redemption Fund	15,08,985.63		Capital Fund		
Advance from Surplus Monies	3,47,21,383.62		In Fixed Deposit	...	
		11,99,41,005.95	Cash	...	
Less—					
Revenue Deficit—					
Deficit upto 31st March					
1985	4,71,77,548.36				
Add—Deficit during					
1985-86	59,45,796.07				
		—5,31,23,344.43			
Total :	6,68,17,661.52		Total :		6,68,17,661.52

Appendix No. 42
Slum Improvement
Capital Account Balance Sheet as on 31st March 1986.

LIABILITIES	Amount		ASSETS	Amount	
	Rs.	P.		Rs.	P.
Loan Outstanding (Appendix No. 54)	2,00,00,000.00		Block Account—		
Sinking Fund on Loan	42,48,069.50		Property and Assets at original cost as per Appendix No. 46		26,53,88,981.76
Reimbursement of Capital expenditure from B. H. & A. D. Board	9,04,59,488.21		Investment—		
Receipt from the Collector of Bombay & B. S. D. for M.L.A. Works	3,06,75,100.00		Sinking Fund as per Appendix No. 51		42,48,069.50
Receipt from Government of Maharashtra for demolition and reconstruction of A.P./W.C. Works	1,00,00,000.00		Capital Fund—		
Advance from Surplus Monies	11,42,54,393.55		In Fixed Deposits	...	
			Cash	...	
Total :	26,96,37,051.26		Total :		26,96,37,051.26

APPENDIX No. 43.
IMPROVEMENT SCHEMES.

Block account showing details of Capital Expenditure upto 31st March 1986.

Particulars	Total Capital Expenditure upto 31st March 1985	Expenditure during 1985-86	Total Capital Expenditure upto 31st March 1986	Particulars	Total Capital Expenditure upto 31st March 1985	Expenditure during 1985-86	Total Capital Expenditure upto 31st March 1986
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
CAPITAL ACCOUNT				Brought over.	37,51,47,319	18,79,175	37,70,26,494
Improvement and Scheme.				Housing Accommodation	1,21,19,982	...	1,21,19,982
Schedule W Lands.	13,45,571	...	13,45,571	Acquisition of land at Mogra for shifting potter from Dharavi to Jogeshwari.	5,74,346	...	5,74,346
Schedule X Lands.	16,26,471	...	16,26,471				
Schedule Z Lands.	8	...	8	Cost. of 100 wide Road from Edward to Jakeria Bunder Road—Acquisition of Port Trust land by B. M. C.	28,08,780	...	28,08,780
Scheme.							
No.							
1 First Nagoaga.	29,16,099	...	29,16,099	Acquisition of Land in Survey No. 129, Hissal, Squatters 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
2 Princess Street.	85,08,865	...	85,08,865	Acquisition of land at Borla village.	66,75,279	...	66,75,279
3 Sandhurst Road.	1,16,02,375	...	1,16,02,375	Acquisition of land bearing C. S. No. 1325 (Part) and 1/325 Lower Parel Division for housing dishoused persons as a result of Municipal Scheme.	1,82,329	...	1,82,329
4 Gamdevi.	22,88,002	...	22,88,002	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 Kandivil.	3,51,977	...	3,51,977
5 Dadar—Matunga.	1,00,53,384	...	1,00,53,384				
6 Sion—Matunga.	2,06,31,826	...	2,06,31,826	Taking over explosion victims tenements S. P. Sheds at Shantinagar Arthur Road etc.	4,84,801	...	4,84,801
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 Maaheew Road.	14,11,129	...	14,11,129				
29 Notwroj Hill.	86,57,482	...	86,57,482				
30 Souther Street Extension West-wards.	1,30,512	...	1,30,512				
31 Parel Suparibaug Estate.	91,42,350	...	91,42,350				
32 East Agripada.	50,59,050	...	50,59,050				
33 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 Central.	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 Mazagaon Street.	40,68,206	...	40,68,206				
52 Worli Street.	2,81,18,471	...	2,81,18,471				
53 Foras Road.	36,82,045	...	36,82,045				
54 Kolbhatwadi.	21,79,254	...	21,79,254				
55 Bellasis Road.	16,77,628	24,400	17,02,028				
56 Dharavi Street.	1,88,34,346	690	1,88,35,036				
57 Sewri-Wadala.	5,55,40,280	Cr. 4,43,045	5,50,97,235				
58 Worli-Extension.	1,71,69,755	...	1,71,69,755	Police-Accommodation Schemes.			
59 Sewri-Koliwada.	6,91,392	...	6,91,392				
60 Naigaum Street.	76,18,685	...	76,18,685				
1 Ferguson Road.	15,68,030	...	15,68,030	Scheme.			
62 Love Lane.	16,18,731	...	16,18,731	No.			
66 Mahalaxmi.	4,86,705	...	4,86,705	14 First Nagpada.	84,450	...	84,450
69 Widening of Byculla Bridge.	7,20,290	...	7,20,290	16 Wodehouse Road.	3,22,667	...	3,22,667
71 Chaupati Street.	24,085	...	24,085	17 Duncan Road.	58,981	...	58,981
Chaupati Reclamation.	1,889	...	1,889	18 Shepherd Road.	36,223	...	36,223
East Chaupati Estate.	4,380	...	4,380	19 Agripada.	1,79,120	...	1,79,120
Lump sum 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	23 Connaught Road.	79,495	...	79,495
72 Tripertie Road.	2,26,684	...	2,26,684	24 Princess Street.	2,65,953	...	2,65,953
73 Palton Road.	10,37,510	...	10,37,510	25 Gamdevi.	1,29,407	...	1,29,407
74 Sion Over bridge.	92,457	...	92,457	34 Lamington Road	4,61,024	...	4,61,024
Lump Sum Provision for Acquisition in all Schemes.	6,136	...	6,136	35 Sandhurst Road West.	1,46,104	...	1,46,104
Lump Sum provision for Housing Accommodation for poorer classes including revision for acquisition.	11,27,88,291	22,97,130	11,50,85,421	39 Sandhurst Road, East.	7,58,893	...	7,58,893
Housing of squatters on land Near Mankhurd Railway Station.	8,38,300	...	8,38,300	40 Byculla.	8,28,411	...	8,28,411
Housing of squatters on lands near Jogeshwari	7,30,846	...	7,30,846	44 Maharbaudi.	2,71,434	...	2,71,434
76 Labour Chawl Gully	4,53,671	...	4,57,871	45 Palton Road.	5,71,492	...	5,71,492
77 Housing Accommodation—	459	...	459	48 Naigaum.	5,69,142	...	5,69,142
For Fishermen at Mahim Causeway	Cr 44,351	...	Cr 44,351	48 Mahim.	4,53,032	...	4,53,032
Housing of Squatters Acquisition	6,29,401	...	6,29,401	55 Chinchgunder Road.	4,32,656	...	4,32,656
Housing of Squatters at Vikroli	151	...	151	55A Mazagaon.	4,53,560	...	4,53,560
Construction of Dormitories	6,92,736	...	6,92,736	63 King's Circle (Matunga).	4,82,185	...	4,82,185
Acquisition of land at Govandi	26,60,199	...	26,60,199	67 Naigaum (for Armed Police and R.cruits).	24,42,031	...	4,42,031
				70 Arthur Road	1,58,357	...	1,58,357
					91,84,617	...	91,84,617
				Mill Company's Chawl Schemes			
				Scheme			
				No			
				42 Spring Mills	5,18,990	...	5,18,990
				51 Century Mills	1,29,980	...	1,29,980
				65 David Mills	2,96,852	...	2,96,852
					9,45,822	...	9,45,822
Carried forward	37,51,47,319	18,79,175	37,70,26,494	Carried forward	40,85,69,401	18,79,175	41,04,48,576

Appendix No. 43—(Concl'd.)

Particulars	Total Capital Expenditure upto 31st March 1984	Expenditure during 1985-86	Total Capital Expenditure upto 31st March 1986	Particulars	Capital Expenditure upto 31st March 1985	Expenditure during 1985-86	Total Capital Expenditure upto 31st March 1986
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over	40,85,69,401	18,79,175	41,04,48,576	Brought over	40,90,32,712	18,79,175	41,09,11,887
				Brought over	7,56,460	...	7,56,460
Slum Clearance.				Refund to preliminary expenses to Government.	38,019	...	38,019
Preliminary Expenses	22,481	...	22,481	Preliminary expenses in connection with the Improvements of slum areas	68,816	...	68,816
Transit Camps for providing alternative housing accommodation to facilitate slum Clearance—				provision of a lift in the Improvement Trust Building at Napier Road near Queens Status	12,267	...	12,267
(1) Construction of 244 tenements, etc.	2,58,843	...	2,58,843				
(2) Construction of 210 tenements etc.	1,81,987	...	1,81,987				
	4,63,311	...	4,63,311	Discount on Loans	14,53,359	...	14,53,359
Miscellaneous,				Expenses in connection with the Loan of Rs. 10 lakhs.	12,227	...	12,227
Survey of the Island of Bombay.	1,06,046	...	1,06,046	Expenses in connection with the repayment of Rs. 25 Lakhs Loan.	19,504	...	19,504
Administrative Offices, etc. Building on Esplanade Road near Queen's Statue.	3,21,562	...	3,21,562	Expenses in connection with the loan raised in 1957-58	62,048	...	62,048
Engineer's Office at Matunga	1,38,468	...	1,38,468	Repayment of Rs. 40 lakhs loan of 1919.	26,83,469	...	26,83,469
Central Stores at the back of Freer Fitastk-	15,656	...	15,656	Part payment of Rs. 25 Lakhs loan of 1926.	19,08,494	...	19,08,494
Store yard at Agripads, etc.	83,801	...	83,801				
Workshop for Motor Lorries as Agripada	90,368	...	90,368		61,39,101	...	61,39,101
Tools and Plans	559	...	559				
	7,56,460	...	7,56,460				
Carried for ward	40,90,32,712	18,79,175	41,09,11,887	Grand Total	41,60,47,375	18,79,175	41,79,26,550

* This figure including Rs. 10,06,000 being the share of cost of Management and Establishment chargeable to Capital Account.

APPENDIX No. 44

IMPROVEMENT SCHEMES—SLUM CLEARANCE—CITY.

Block account showing details of Capital Expenditure upto 1st March 1986.

PARTICULARS	Total Capital expenditure upto 31st March 1985	Expenditure during 1985-86	Total Capital expenditure upto 31st March 1986.
	Rs.	Rs.	Rs.
A—Works to be carried out from Municipal Fund.			
Acquisition of land within, adjoining or surrounded by clearance Areas for housing or other development works.	10,47,243	...	10,47,243
Transit Camps for providing temporary alternative housing accommodation to facilitate Slum Clearance.	5,33,767	...	5,33,767
Construction of 4 stored Building by replacing existing patra shed situated opposite Chawl No. 49—B at Garamkhada Market, Lalbaug.	83,446	...	83,446
Permanent Housing for Slum Population.	13,54,259	...	13,54,259
Providing Sewerage arrangement in Kamathipura Area.	1,71,857	...	1,71,857
Discount and other charges on the loan of Rs. 10 lakhs raised in 1956-57.	10,108	...	10,108
Discount and their charges on the loan of Rs. 20 lakhs raised in 1957-58.	45,160	...	45,160
Discount and their charges on the loan of Rs. 10 lakhs raised in 1985-59.	17,721	...	17,721
Miscellaneous expenses including Preliminary expenses (staff and contingencies in connection with Slum Clearance).	38,94,038	Cr. 5,263	38,88,775
Construction of bldg. at Bhat Chawl compound at Worli.	8,72,032	8,052	8,80,084
Total A—Works to be carried out from Municipal Fund.	80,29,631	2,789	80,32,420
B—Works to be carried out with the Government Aid—			
Acquisition of land within, adjoining or surrounded by Clearance Areas for rehousing or other development works.	54,73,593	...	54,73,593
Permanent Housing for Slum Population.	4,21,94,044	4,40,955	4,26,34,999
Total B—Works to be carried out with the Government Aid.	4,76,67,637	4,40,955	4,81,08,592
Grand Total *	5,86,97,268	4,43,744	5,61,41,012

* 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 1986.

PARTICULARS	Total Capital Expenditure upto 31st March 1985.	Expenditure during 1985-86.	Total Capital Expenditure upto 31st March 1986.
	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.			
(d) Chawls and S. P. Chawls.	2,77,62,201	58,318	2,78,20,519
Total B.—Works to be carried out with the Government Aid.	2,77,62,201	58,318	2,78,20,519
Grand Total.	4,53,86,623	58,318	4,54,44,941

APPENDIX No. 46.

IMPROVEMENT SCHEME ACCOUNT SLUM IMPROVEMENT.

Block Account showing details of Capital Expenditure upto 31-3-1986.

Particulars.	Total Capital Expenditure upto 31-3-1985	Expenditure during 1985-86	Total Capital Expenditure upto 31-3-1986.
	Rs.	Rs.	Rs.
(1) Providing Civic Amenities.	10,43,49,491	2,34,36,302	12,77,85,793
(2) Providing Additional amenities:	9,16,76,360	80,44,805	9,97,21,165
(3) Civic amenities such as A. P./Block.	24,86,811	1,89,449	26,76,260
(4) Developing the itches and providing amenities to the hutment dwellers commencing in the way of Construction of Fly-over Bridge at Goregao.	2,61,760	...	2,61,760
(5) Demolition and Reconstruction of A. P./W. C. Block.	46,73,128	89,62,367	1,36,35,495
(6) - Works providing amenities in different Slums suggested by M.L. As. in Greater Bombay from the allotment of Rs. 8 lakhs per M. L. A. Constituency wise.	81,11,284	1,31,97,225	2,13,08,509
Total	21,15,58,834	5,38,30,148	26,53,88,982

APPENDIX No. 52 (Consolidated)

Statement showing outstanding balances of Loans on 31st March 1986, pertaining to Budget 'B'.

Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1986.	Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1986.
1	2	3	4	1	2	3	4
	Improvement Scheme—		Rs.	39	Programme No. 10		Rs.
				40	Rs. 1,62,343 Loan, 1966-67.	5½%	1,23,940.87
				41	Rs. 2,108 Loan, 1967-68.	5½%	1,612.73
				42	Rs. 1,146 Loan, 1967-68.	5½%	878.24
	Loans Raised from Public—				Rs. 58,984 Loan, 1968-69.	5½%	45,094.49
					Total Prog. 10		1,71,526.33
1	Rs. 19.28 out of Rs. 19.39 Lakhs. Loan, 1956-57.	4%	19,28,000.00	43	Programme No. 11.		
2	Rs. 50 Lakhs Loan, 1961-62.	4¼%	50,00,000.00	44	Rs. 69,426 Loan, 1968-69.	5½%	53,082.84
3	Rs. 100 Lakhs Loan, 1962-63.	4½%	1,00,00,000.00	45	Rs. 75,936 Loan, 1969-70.	5½%	58,052.00
4	Rs. 50 Lakhs Loan, 1963-64.	4¾%	50,00,000.00		Rs. 13,725 Loan, 1970-71.	6½%	10,756.79
5	Rs. 100 Lakhs Loan, 1965-66.	6%	1,00,00,000.00		Total—Prog. 11.		1,21,891.63
6	Rs. 50 Lakhs Loan, 1966-67.	6%	50,00,000.00		Total—Govt. Loans.		54,02,745.47
7	Rs. 50 Lakhs Loan, 1967-68.	6%	50,00,000.00		Loan raised from the Public—		
8	Rs. 75 Lakhs Loan, 1968-69.	6%	75,00,000.00	46	Rs. 50 Lakhs Loan, 1961-62.	4¼%	50,00,000.00
9	Rs. 250 Lakhs Loan, 1976-77.	6¼%	2,50,00,000.00	47	Rs. 30 Lakhs Loan, 1964-65.	4¾%	30,00,000.00
10	Rs. 275 Lakhs Loan, 1977-78.	6¼%	2,75,00,000.00	48	Rs. 50 Lakhs Loan, 1966-67.	6%	50,00,000.00
	Total—Public Loans.		10,19,28,000.00	49	Rs. 25 Lakhs Loan, 1971-72.	6%	25,00,000.00
	Total—Improvement Scheme.		10,19,28,000.00	50	Rs. 50 Lakhs Loan, 1972-73.	6%	50,00,000.00
	Slum Clearance—City—			51	Rs. 50 Lakhs Loan, 1973-74.	6%	50,00,000.00
	Loans raised from the Govt.			52	Rs. 75 Lakhs Loan, 1975-76.	6¼%	75,00,000.00
	Programme No. 1.			53	Rs. 100 Lakhs Loan, 1976-77.	6¼%	1,00,00,000.00
11	Rs. 9,50,997 Loan, 1957-58.	4½%	5,96,841.05	54	Rs. 50 Lakhs Loan 1977-78.	6¼%	50,00,000.00
12	Rs. 6,12,000 Loan, 1958-59.	4½%	3,84,088.76		Total—Public Loans.		4,80,00,000.00
13	Rs. 2,73,000 Loan, 1959-60.	4½%	1,71,335.45		Total—Slum Clearance (City).		5,34,02,745.47
14	Rs. 1,85,000 Loan, 1960-61.	4½%	1,16,105.20		Slum Clearance—Suburbs & Extd. Suburbs—		
15	Rs. 5,04,000 Loan 1961-62.	4½%	2,93,714.47		Loan raised from the Govt.—		
16	Rs. 2,64,529 Loan, 1962-63.	5¼%	1,72,453.02		Programme No. 2.		
17	Rs. 2,50,971 Loan, 1963-64.	5¼%	1,63,614.23	55	Rs. 307,000 Loan, 1959-60.	4½%	2,29,184.99
18	Rs. 47,250 Loan, 1964-65.	5¼%	30,803.54	56	Rs. 5,84,000 Loan, 1960-61.	4½%	4,35,962.82
19	Rs. 2,20,355 Loan, 1964-65.	5¼%	1,43,654.95	57	Rs. 3,54,375 Loan, 1962-63.	5¼%	2,71,862.64
20	Rs. 50,504 Loan, 1965-66.	5¼%	32,513.43	58	Rs. 1,67,625 Loan, 1963-64.	5¼%	1,28,596.94
21	Rs. 73 Loan, 1965-66.	5¼%	47.07	59	Rs. 2,43,364 Loan, 1964-65.	5¼%	1,86,705.60
22	Rs. 568 Loan 1968-69.	5¼%	365.82	60	Rs. 11,599 Loan, 1966-67.	5¼%	8,871.40
	Total—Prog. 1.		21,05,536.49		Total—Prog. 2		12,61,184.39
	Programme No. 2.				Programme No. 3.		
23	Rs. 94,500 Loan, 1961-62.	4½%	70,538.46	61	Rs. 1,62,000 Loan, 1960-61.	4½%	72,291.54
	Total—Prog. 2		70,538.46	62	Rs. 9,72,000 Loan, 1961-62.	4½%	4,33,747.48
	Programme No. 3.			63	Rs. 1,00,182 Loan, 1962-63.	5¼%	47,123.97
24	Rs. 9,00,000 Loan, 1960-61.	4½%	4,01,611.19	64	Rs. 7,618 Loan, 1963-64.	5¼%	3,678.46
25	Rs. 62,037 Loan, 1962-63.	5¼%	29,181.36		Total—Prog. 3		5,56,841.45
26	Rs. 9,963 Loan, 1963-64.	5¼%	4,686.91		Programme No. 4.		
	Total—Prog. 3.		4,35,499.46	65	Rs. 4,65,300 Loan, 1963-64.	5¼%	3,56,973.84
	Programme No. 4.			66	Rs. 1,08,900 Loan, 1964-65.	5¼%	83,549.48
27	Rs. 3,69,600 Loan, 1963-64.	5¼%	2,83,555.94	67	Rs. 4,75,911 Loan, 1964-65.	5¼%	3,05,099.08
28	Rs. 1,84,800 Loan, 1964-65.	5¼%	1,41,777.99	68	Rs. 1,31,267 Loan 1965-66.	5¼%	1,00,357.28
	Total—Prog. 4.		4,25,333.93	69	Rs. 1,53,917 Loan 1965-66.	5¼%	1,17,676.68
	Programme No. 6.			70	Rs. 1,07,739 Loan, 1965-66.	5¼%	82,367.99
29	Rs. 1,53,900 Loan, 1966-67.	5¼%	99,095.43	71	Rs. 1,06,343 Loan, 1965-66.	5¼%	81,300.01
30	Rs. 10,190 Loan, 1967-68.	5¼%	6,560.13	72	Rs. 1,28,865 Loan, 1966-67.	5¼%	98,500.63
31	Rs. 6,910 Loan, 1967-68.	5¼%	4,418.39	73	Rs. 66,705 Loan, 1967-68.	5¼%	51,002.61
32	Rs. 57,000 Loan, 1968-69.	5¼%	36,695.58	74	Rs. 12,159 Loan, 1967-68.	5¼%	9,301.74
	Total—Prog. 6.		1,40,799.53	75	Rs. 22,388 Loan, 1968-69.	5¼%	17,122.78
	Programme No. 7.			76	Rs. 3,519 Loan, 1968-69.	5¼%	2,693.41
33	Rs. 6,10,818 Loan, 1966-67.	5¼%	4,66,989.24		Total—Prog. 4.		13,65,965.53
34	Rs. 5,73,838 Loan, 1967-68.	5¼%	4,38,715.32		Total Govt. Loan.		31,83,991.37
35	Rs. 7,28,110 Loan, 1968-69.	5¼%	5,56,654.08		Loan raised from the Public—		
36	Rs. 1,00,518 Loan, 1968-69.	5¼%	76,855.98	77	Rs. 50 Lakhs Loan, 1962-63.	4¼%	50,00,000.00
37	Rs. 1,04,516 Loan, 1969-70.	5¼%	79,904.12	78	Rs. 50 Lakhs Loan, 1966-67.	6%	50,00,000.00
38	Rs. 3,91,298 Loan, 1970-71.	6¼%	3,06,500.60	79	Rs. 50 Lakhs Loan, 1967-68.	6%	50,00,000.00
	Total—Prog. 9.		19,25,619.64	80	Rs. 25 Lakhs Loan, 1968-69.	6%	25,00,000.00
				81	Rs. 40 Lakhs Loan, 1973-74.	6%	40,00,000.00
				82	Rs. 100 Lakhs Loan, 1975-76.	6¼%	1,00,00,000.00
				83	Rs. 125 Lakhs Loan, 1976-77.	6¼%	1,25,00,000.00
				84	Rs. 50 Lakhs Loan, 1977-78.	6¼%	50,00,000.00
					Total—Public Loans.		4,90,00,000.00
					Total—Slum Clearance (Subs. & Ext. Subs.)		5,21,83,991.37
					Slum Improvement—		
					Loans raised from Public—		
				85	Rs. 200 Lakhs Loan, 1976-77.	6¼%	2,00,00,000.00
					Total—Slum Improvement.		2,00,00,000.00
					Grand Total—Budget 'B'.		22,75,14,736.84

APPENDIX No. 59

EDUCATION FUND

Revenue Account for the year ended 31st March 1986.

Particulars.	Rs. P.		Particulars.	Rs. P.	
To Revenue Expenditure:	53,66,61,146.45		By Revenue Receipts:	52,33,83,196.10	
			By Revenue Deficit during the year 1985-86.	1,32,77,950.35	
Total	53,66,61,146.45		Total	53,66,61,146.45	
To Revenue Expenditure to be incurred in 1985-86 and provided for as Renewed Grants.	2,60,63,000.00		By Surplus Revenue Fund as at 1st April 1985.	1,15,92,332.32	
To Revenue deficit during the year 1985-86.	1,32,77,950.35		By Revenue of previous years reserved for the year 1985-86.	3,70,97,000.00	
To Balance being Surplus Revenue Fund as at 31st March 1986.	93,48,381.97				
Total	4,86,89,332.32		Total	4,86,89,332.32	

A/c 5326 Edu.

Div.—I.

APPENDIX No. 62

EDUCATION FUND

Revenue Account Balance Sheet as at 31st March 1986.

Liabilities.		Assets.			
	Rs.	P.		Rs.	P.
Due on Cheques Payable.	48,43,034.45		Cash at Bank	Rs. —30,28,597.87	
			Cash in Office	Rs. 1,77,86,151.21	1,47,57,553.34
Due on Outstanding Charges on account of Interest Accrued but Not Paid (Appendix—69)	42,69,486.11		Education Loan Interest Warrants Payable Account.		3,287.75
			Advances—Appendix No. 67		93,27,579.77
Unclaimed Dues & Deposits (Refundable) Account (Appendix—67-A).	7,42,200.95		Deposits—		
			In Securities.	Rs. 25,000.00	
Deposits in Cash and Public Securities from Contractors and Private Parties. (Appendix—68).	4,45,65,781.97		In Office.	...	25,000.00
			Amount held in Budget 'A' Div.—I.		4,35,40,835.22
Interest on Loans Payable A/c. (Appendix No. 65).	2,750.00		Advance from Surplus monies for Capital Works.		1,00,93,416.16
			Investments—		
Endowment Fund (Appendix—72).	11,89,339.04		Endowment Fund—		
			(Appendix—72)		
			In securities	Rs. 4,74,427.85	
			In Fixed Deposit	Rs. 7,14,200.00	
			In cash	Rs. 711.19	11,89,339.04
			Surplus Fund—		
Due on Outstanding Charges for 1985-86 and previous year.	2,60,63,000.00		In Securities*	Rs. 1,20,82,407.60	
Surplus Revenue Fund (Vide Appendix No. 59)	93,48,381.97		In Call Deposit		
			In Cash at Bank	Rs. 4,555.61	1,20,86,963.21
Total	9,10,23,974.49		Total		9,10,23,974.49

* Details of Securities held in Surplus Fund.

	Face Value	Book Value
	Rs.	Rs.
7% Rs. 100 Lakhs B.M.D. Budget E (Internal) Loan 1981-82.	36,48,100.00	36,48,100.00
6½% Rs. 150 Lakh B.M.D. Budget E (Internal Loan) 1976-77.	84,32,300.00	84,32,300.00
3% Conversion Loan 1946—86.	1,000.00	805.60
3% Loan 1896—97.	1,300.00	1,202.00
	1,20,82,700.00	1,20,82,407.60

A/c. 5326 Edu.

Div.—I.

APPENDIX No. 63.

EDUCATION FUND

Capital Fund Balance Sheet as o 31st March 1986.

Liabilities.		Assets.	
	Rs.	P.	
Loans Outstanding—			Block Account-Appendix 64.
Due to Public.	30,60,50,000.00		Loan Funds.
			Trust Fund.
Trust Fund.		694,31	
			Investment—
Surplus—			Sinking Fund—Appendix
Sinking Fund.	6,48,28,929.87		66 and 71.
			In Securities
Contribution from Trust Fund.	2,08,755.42		Rs. 6,48,28,841.23
Contribution from Government	10,00,000.00		In Cash at Bank Rs. 88.64
Central Govt. Assistance for Flood damage.	1,28,500.00		
Advance from Surplus Monies for meeting Capital Expendi- ture pending raising of Loans.	1,00,93,416.16		Trust Fund.
Loan Redemption Fund.			In Cash.
Rs. 11,54,50,000.00			
Less—			Loan Fund.
Assets			In Securities Rs.
written off	Rs. 2,44,495.14	11,52,05,504.86	In cash at Bank Rs.
Grand Total	49,75,15,800.62		Grand Total
			49,75,15,800.62

APPENDIX No. 64.

Statement showing Capital Works Expenditure upto 31st March 1986.

Education Fund.

Capital Account.	Total Capital Works Expenditure upto 31st March 1985.	Capital Works Expenditure during 1985-86.	Total Capital Works Expenditure upto 31st March 1986.
	Rs.	Rs.	Rs.
Loan Funds.			
City Section.	13,96,58,587.25	63,48,271.98	14,60,06,859.25
Western Suburban Section.	18,94,86,671.32*	1,49,90,579.25	20,44,77,250.57
Estern Suburban Section.	7,31,18,157.42	88,75,153.80	8,19,93,311.22
Total—Loan Fund.	40,22,63,415.99	3,02,14,005.03	43,24,77,421.02
Trust Fund.	2,08,755.42	...	2,08,755.42
Grand Total	40,24,72,171.41	3,02,14,005.03	43,26,86,176.44

Div.—I.

* This includes the Eastern Sub. Capital expenditure in respect of Works Completed upto 31-3-1982.
A/c. 5326 Edu.

APPENDIX
EDUCATION

Statement showing outstanding Loans due by the Municipal Corporation the Interest out standing on 1st April 1985 and Office during that year and the balance outstanding on 31st March 1986.

Particulars of Loans	Rate of Interest percent. p.a.	Balance due on 1-4-1985	Amount raised in 1985-86	Total	Amount repaid in 1985-86
(1)	(2)	(3)	(4)	(5)	(6)
		Rs.	Rs.	Rs.	Rs.
Loans from Public					
(1) Rs. 110 Lakhs Loan (1973-74)	6	1,10,00,000	...	1,10,00,000	1,10,00,000
(2) Rs. 55 Lakhs Loan (1975-76)	6½	55,00,000	...	55,00,000	55,00,000
(3) Rs. 55 Lakhs Loan (1976-77)	6½	55,00,000	...	55,00,000	...
(4) Rs. 220 Lakhs Loan (1977-78)	6½	2,20,00,000	...	2,20,00,000	...
(5) Rs. 253 Lakhs Loan (1978-79)	6½	2,53,00,000	...	2,53,00,000	...
(6) Rs. 275 Lakhs Loan (1979-80)	6½	2,75,00,000	...	2,75,00,000	...
(7) Rs. 55 Lakhs Loan (1980-81)	7	55,00,000	...	55,00,000	...
(8) Rs. 110 Lakhs Loan (1981-82)	7½	1,10,00,000	...	1,10,00,000	...
(9) Rs. 220 Lakhs Loan (1982-83)	7½	2,20,00,000	...	2,20,00,000	...
(10) Rs. 302.5 Lakhs Loan 1983-84	8½	3,02,50,000	...	3,02,50,000	...
(11) Rs. 192.50 Lakhs Loan (1984-85)	9	1,92,50,000	...	1,92,50,000	...
(12) Rs. 110 Lakhs Loan (1985-86)	9½	...	1,10,00,000	1,10,00,000	...
Total Loans from Public	18,48,00,000	18,48,00,000	1,10,00,000	19,58,00,000	1,65,00,000
Loans from Internal Funds					
(13) Rs. 10 Lakhs Loan (1960-61)	4½	10,00,000	...	10,00,000	10,00,000
(14) Rs. 10 Lakhs Loan (1961-62)	4½	10,00,000	...	10,00,000	...
(15) Rs. 25 Lakhs Loan (1962-63)	4½	25,00,000	...	25,00,000	...
(16) Rs. 12.5 Lakhs Loan (1963-64)	4½	12,50,000	...	12,50,000	...
(17) Rs. 25 Lakhs Loan (1966-67)	6	25,00,000	...	25,00,000	...
(18) Rs. 25 Lakhs Loan (1967-68)	4	25,00,000	...	25,00,000	...
(19) Rs. 20 Lakhs Loan (1968-69)	6	20,00,000	...	20,00,000	...
(20) Rs. 20 Lakhs Loan (1971-72)	6	20,00,000	...	20,00,000	...
(21) Rs. 100 Lakhs Loan (1972-73)	6	1,00,00,000	...	1,00,00,000	...
(22) Rs. 50 Lakhs Loan (1974-75)	6½	50,00,000	...	50,00,000	...
(23) Rs. 50 Lakhs Loan (1975-76)	6½	50,00,000	...	50,00,000	...
(24) Rs. 150 Lakhs Loan (1976-77)	6½	1,50,00,000	...	1,50,00,000	...
(25) Rs. 50 Lakhs Loan (1976-77)	6½	50,00,000	...	50,00,000	...
(26) Rs. 30 Lakhs Loan (1977-78)	7½	30,00,000	...	30,00,000	...
(27) Rs. 100 Lakhs Loan (1978-79)	6½	1,00,00,000	...	1,00,00,000	...
(28) Rs. 100 Lakhs Loan (1981-82)	7	1,00,00,000	...	1,00,00,000	...
(29) Rs. 500 Lakhs Loan (1985-86)	9½	...	5,00,00,000	5,00,00,000	...
Total Loans from Internal Funds		7,77,50,000	5,00,00,000	12,77,50,000	10,00,000
Grand Total :		26,25,50,000	6,10,00,000	32,35,50,000	1,75,00,000

No. 65

FUND

on the different Loans, the amount Payable for the year 1985-86, the amount paid by the State Bank of India.

Balance due on 31st March 1986	Interest outstanding on 1-4-1985	Interest payable in 1985-86	Total Interest due	Deduct Interest paid by the State Bank of India and in Office.	Interest Outstanding as on 31st March 1986
(7)	(8)	(9)	(10)	(11)	(12)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	...	6,60,000.00	6,60,000.00	6,60,000.00	...
...	75,312.50	3,43,750.00	4,19,062.50	4,19,062.50	...
55,00,000	...	3,43,750.00	3,43,750.00	3,43,749.97	0.03*
2,20,00,000	...	13,75,000.00	13,75,000.00	13,74,687.50	312.50
2,53,00,000	812.50	16,44,500.00	16,45,312.50	16,42,875.00	2,437.50
2,75,00,000	...	18,56,250.00	18,56,250.00	18,56,250.00	...
55,00,000	...	3,85,000.00	3,85,000.00	3,85,000.00	...
1,10,00,000	...	7,97,500.00	7,97,500.00	7,97,500.00	...
2,20,00,000	...	16,50,000.00	16,50,000.00	16,50,000.00	...
3,02,50,000	...	26,46,875.00	26,46,875.00	26,46,875.00	...
1,92,50,000	...	17,32,500.00	17,32,500.00	17,32,500.00	...
1,10,00,000
17,93,00,000	76,125.00	1,34,35,125.00	1,35,11,250.00	1,35,08,499.97	2,750.00 0.03*
...	...	42,500.00	42,500.00	42,500.00	...
10,00,000	...	42,500.00	42,500.00	42,500.00	...
25,00,000	...	1,12,500.00	1,12,500.00	1,12,500.00	...
12,50,000	...	59,375.00	59,375.00	59,375.00	...
25,00,000	...	1,50,000.00	1,50,000.00	1,50,000.00	...
25,00,000	...	1,50,000.00	1,50,000.00	1,50,000.00	...
20,00,000	...	1,20,000.00	1,20,000.00	1,20,000.00	...
20,00,000	...	1,20,000.00	1,20,000.00	1,20,000.00	...
1,00,000.00	...	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	3,12,000.00	...
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
12,67,50,000	...	48,48,875.00	48,48,875.00	48,48,875.00	...
30,60,50,000	76,125.00	1,82,82,000.00	1,83,58,125.00	1,83,55,374.97	2,750.00 0.03*

* Treated as Saving.

Div. E-I.

APPENDIX No. 70.

EDUCATION FUND

Statement showing the amounts of Receipts and Expenditure respectively credited and debited to the Education Fund during the year 1985-86 and the balance at the credit of the Fund at the close of the year 1985-86 (i.e. 31st March 1986).

	Rs.	P.
RECEIPTS—A—REVENUE ACCOUNT		
(1A) Education Cess.	7,77,88,742.43	
(2) Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act—		
(f) From Budget 'A' Div. I	3,70,82,360.00	
(ii) From Budget 'A' Div. II	3,46,13,180.00	
(iii) From Budget 'A' Div. III	1,26,88,710.00	
(2A) Special Contribution from—		
(i) From Budget 'A' Division I	30,86,00,000.00	
(3) Contribution from Government under Clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act.	5,07,00,000.00	
(4) Interest on Endowment and Investments.	13,292.39	
(5) Rent and other proceeds of properties.	31,60,956.34	
(6) Interest and Profits on Investments of Surplus, Loan and other balances.	4,83,486.88	
(7) Miscellaneous Receipts.	3,92,488.06	
Total—Revenue Receipts.	52,33,83,196.10	
RECEIPTS—B—CAPITAL ACCOUNT		
(1) New Loans.	6,10,00,000.00	
(2) Trust Fund.	...	
(3) Advance from Surplus Monies for meeting Capital work Expenditure pending raising of New Loans.	Cr. 3,09,14,494.97	
(4) Central Govt. assistance for flood damage.	1,28,600.00	
Total—Capital Receipts.	3,02,14,005.03	
RECEIPTS—C—SUSPENSE ACCOUNT		
Advances to Municipal Officers—		3,893.00
(a) Standing Advances for Contingent Expenditure.		20,436.00
(b) Motor Car and Motor Cycles to Officers.		1,97,198.00
(c) Dishonoured Cheques.		...
(d) Loan scholarships to Municipal Teachers Under Training.		...
Advances for meeting the cost of repairs to private buildings housing municipal schools under Section 489/499 recoverable from the landlords.		1,20,60,190.20
Sundries—Miscellaneous Advances.		...
Total—Advances.		1,22,81,717.20
Paper and Cash Account—State Bank of India and other Local Banks including Paper Deposits in Office Custody—		1,74,13,672.05
(1) Sinking Fund (Paper and Cash) Account.		9,202.00
(2) Endowment Fund (Paper and Cash) Account.		...
(3) Loan Fund (Paper and Cash) Account.		1,61,54,546.95
(4) Surplus Fund (Paper and Cash) Account.		...
(5) Sundry Deposits Account.		...
Total—Paper and Cash		3,35,77,421.00
Deposit Account.		2,39,31,400.26
Provident Fund.		4,34,93,975.55
Pension Fund.		60,92,101.58
Gratuity Fund.		7,84,197.74
Cheques Payable.		48,55,90,914.26
Endowment Fund Account.		6,85,730.50
Sinking Fund Account—Education.		1,82,58,944.91
Amount Transferred from Municipal General fund Budget A to Education Fund A/c.		55,33,28,760.21
Education Loan Interest Warrants Payable Account.		1,34,48,078.22
Interest Accrued but not paid.		5,87,875.00
Investment of Surplus Monies in Public Securities.		...
Loan Redemption Fund Account.		1,75,00,000.00
Unclaimed Dues and Deposits (Refundable) Account.		3,89,531.25
Advances from surplus monies for financing Capital Work Expenditure pending raising of New Loans.		3,09,14,494.97
Interest on Loans Payable Account.		2,760.00
Total—Deposit etc.		1,19,29,89,754.45
Total—Suspense Receipts		1,23,88,27,892.85

APPENDIX No. 70—(Contd.)

	Rs.	P.
EXPENDITURE—A, REVENUE ACCOUNT		
A.—General Supervision and Administration.	1,29,90,863.19	
B.—Municipal Primary Schools.	41,39,06,313.40	
C.—Private Primary Schools.	1,68,97,773.01	
D.—Medical Inspection of School Children.	63,56,129.76	
E.—Enforcement of Compulsion.	...	
F.—Educational Activities.	34,56,843.53	
G.—Pension and Provident Fund.	4,86,50,151.89	
I.—New Works.	69,101.80	
J.—Debt Charges.	3,11,59,934.49	
K.—Training Facilities for Municipal Teachers.	1,31,282.27	
L.—Proportionate Cost of Collection of Education Cess.	13,02,606.00	
M.—Extra Curricular Activities.	4,31,218.03	
O.—Proportionate Cost of C.E.'s Central Planning Staff.	8,84,926.81	
P.—Lumpsum provision for payment of arrears on account of Revision of grades.	...	
T.—Lumpsum provision for Deposit Linked Insurance Scheme.	6,24,002.27	
Total—Revenue Expenditure.	53,66,61,146.45	
EXPENDITURE—B.—CAPITAL ACCOUNT		
(1) Loan Funds—	3,02,14,005.03	
(2) Trust Fund.	...	
Total—Capital Expenditure.	3,02,14,005.03	
EXPENDITURE—C.—SUSPENSE ACCOUNT		
Advances to Municipal Officers—		
(a) Standing Advances for Contingent expenditure.	48,004.00	
(b) Motor Cars and Motor Cycles to Officers.	25,445.00	
Dishonoured Cheques.	1,97,198.00	
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.	97,66,993.83	
Total—Advances.	1,00,37,640.83	
Paper and Cash Account—State Bank of India and other Local Banks including paper Deposits in Office Custody—		
Sinking Fund (Paper and Cash) Account.	1,61,41,614.45	
Endowment Fund (Paper and Cash) Account	9,932.50	
Loan Fund (Paper and Cash) Account.	1,64,26,650.92	
Surplus Fund (Paper and Cash) Account.	1,64,26,650.92	
Sundry Deposits Account.	6,85,000.00	
Total—Paper and Cash.	3,32,63,197.87	
Deposit Account.	1,40,93,368.26	
Provident Fund.	4,34,93,975.55	
Pension Fund.	60,92,101.58	
Gratuety Fund.	7,84,197.74	
Cheques Payable.	48,50,64,271.06	
Wages Deposit Account.	...	
Amount transfered from Education Fund A/c to Municipal General Fund Budget A.	58,37,61,241.20	
Endowment Fund Account.	...	
Sinking Fund Account Education.	1,75,31,002.51	
Education Loan Interest Warrants—Payable Account.	1,34,42,531.22	
Interest Accrued but not paid.	2,78,923.61	
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.	1,75,00,000.00	
Unclaimed Dues and Deposits (Refundable) Account.	7,984.50	
Interest on loans Payable A/c.	76,125.00	
Total—Deposits etc.	1,18,21,25,722.23	
Total—Suspense Expenditure.	1,22,54,26,560.93	

APPENDIX No. 70—(Contd.)

SUMMARY

Receipts.		Account	Disbursements.	
Rs.	P.		Rs.	P.
1,46,34,866.28		Opening Balance on 1st April 1985—		
52,33,83,196.10		A.—Revenue Account.	3,66,61,146.45	
3,02,14,005.03		B.—Capital Account.	3,02,14,005.03	
1,23,88,27,892.65		C.—Suspense Account.	1,22,54,26,560.93	
1,79,24,25,093.78		Closing Balance on 31st March 1986.	1,79,23,01,712.41	
			1,47,58,247.65	
1,80,70,59,960.06		Total	1,80,70,59,960.06	

	Rs.	P.
Banks Reconciliation—		
Balance as per Bank's Pass Book.		60,607.40
Add—Revenue sent to the Bank on 31st March 1986 but acknowledged on 1st April 1986.		9,512.00
	Total	70,018.40
Less : Uncashed cheques.		30,98,617.27
Balance as per Day Book (Col. No. 10).		— 30,28,597.87
	Rs.	P.
Balance in Office in Government Promissory Notes etc.		
Balance in Office in Cash.	1,001.01	
Collection kept in office.	1,77,85,844.51	1,77,86,845.52
Closing Balance as shown at above.		1,47,58,247.65

Div.—I.

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

High Lights—

I—Money spent on—

(Rs. in lacs)

	City	Suburbs & Extd. Subs.	Octroi	Total
(i) Establishment.	209.73	173.36	203.97	587.06
(ii) Other Expenditure.	23.21	11.93	17.54	52.68
(iii) Commission to collecting agencies.			103.44	103.44

II—Results achieved—

Due to continuous collection drive, the recovery of Municipal Property taxes, together with wheel tax and Octroi was in excess to the tune of Rs. 24.04 Crores as compared with last year the details whereof are as under :—

(Rs. in Crores)

Property Taxes including Wheel Tax.			Octroi			Total Excess
Collection made in 1984-85	Collection made in 1985-86	Excess	Collection made in 1984-85.	Collection made in 1985-86	Excess	
145.58	149.30	3.72	191.09	211.41	20.32	24.04

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 marked improvement in the total tax collection including Government taxes during the year under report inasmuch as the department brought Rs. 169.54 Crores as against Rs. 163.67 Crores during the previous year.

The total demand of Municipal property taxes, including Water charges & Wheel tax was Rs. 236.10 Crores whereas the total outstanding which includes arrears of past & previous year was Rs. 86.80 Crores. These arrears include settled demand as well as unsettled demand. 50% of these arrears are generally recovered during the subsequent year and balance remains locked up on account of various reasons shown in the statement (Appendix 8).

The Reteable Value of Railway Property upto 31st March 1977 has been finalised and finalization of the R. V. for the further period is under process. The quantum of taxes to be paid is, however, under dispute. The Railway authorities in the meantime have agreed to make an ad-hoc payment of Rs. 14.35 lacs for every year (Rs. 8.95 lacs for Central Railway and Rs. 5.40 lacs for Western Railway).

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

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

Building Repairs Cess :—

Repairs Cess collected during the year 1985-86 was Rs. 8.28 Crs.

Maharashtra Tax on Buildings with larger Residential Premises (Re-enacted) Act 1979 :—

Under the aforesaid Act, the State Government has levied from 1st April 1974 retrospectively a tax on residential premises having floorage of more than 125 Sq. Mtrs., and the Reteable Value thereof being more than Rs. 1,500/- at the rate of 10% of the Reteable Value per year. The work of levy and recovery of this tax is entrusted to Assessment & Collection Department. Maharashtra Tax on Buildings (with larger residential premises) Cell collected Rs. 82.99 lacs during the year 1985-86.

Octroi :—

In the year 1985-86, the rates of octroi continued to be same as in the year 1984-85.

Octroi collection during the year 1985-86 increased to Rs. 211.41 Crores as against the Octroi revenue of Rs. 191.09 Crs. during the year 1984-85. This shows an increase of Rs. 20.32 Crs. in Octroi collection in the year 1985-86 over the octroi collection in 1984-85.

Figures of Octroi collection, refund etc., for 1983-84, 1984-85 & 1985-86 are as under :—

	(Figures. in Crs.)			Increase or decrease over 1984-85 Rs.
	1983-84 Rs.	1984-85 Rs.	1985-86 Rs.	
1. Cross collection.	163.49	191.09	211.41	+ 20.32
2. Less Refund.	15.61	12.51	17.57	+ 5.06
3. Net Revenue.	147.88	178.58	193.84	15.26
4. Fees for stamping.	0.017	0.002	0.001	— 0.001
5. Fees in respect of refund.	1.84	1.52	2.18	+ 0.66
6. Departmental collection.	114.08	130.20	147.74	+ 17.54

95,361 claims for refund of Octroi on goods exported out of Bombay were received during the year 1985-86 as compared to 1,08,184 claims received in the year 1984-85.

Election Branch :—

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

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

D. R. Joshi,
Assessors & Collector (I/C).

APPENDIX No. I

Nature of Tax.	Rates of taxation (Percentage).	Remarks.
(1) General Tax (Including 1½% Fire Tax).	25.50%	In the areas of City & suburbs.
(2) Water Tax.	9.00%	—"
(3) Water Benefit Tax.	6.00%	—"
(4) Sewerage Tax.	5.00%	—"
(5) Sewerage Benefit Tax.	4.00%	—"
(6) Education Cess.	½% 2½% 3.00% 5.00%	For R. V. between Rs. 1/- & Rs. 74/- For R. V. between Rs. 75/- & Rs. 299/- For R. V. between Rs. 300/ & Rs. 4,999. For R. V. of Rs. 5,000/- & above.
(7) State Education Cess—		
OSlabs of annual letting value.	In respect of land or building used or intended to be used for residential purpose.	In respect of land or building used or intended to be used for non-residential purpose.
(i) On R. V. Rs. 1/- to Rs. 74/-	Nil	Nil
(ii) Rs. 75/- or more but not more than Rs. 150/-	2.00%	4.00%
(iii) More than Rs. 150/- but less than Rs. 300/-.	3.00%	6.00%
(iv) Rs. 300/- or more but less than Rs. 3000/-	4.00%	8.00%
(v) Rs. 3000/- or more but less than Rs. 6000/-	5.00%	10.00%
(vi) Rs. 6000/- or more.	6.00%	12.00%
(8) Water charges by meter measurement in case of properties metered.	The rates charged for supply of water by meter measurement ranged between Rs. 3.00 and Rs. 60.00 per 10,000 litres according to the user of property.	
(9) Sewerage charges in case of properties metered and sewered.	50% of the amount of water charges bills where properties sewered.	
(10) Employment Guarantee Cess.	At ¼th the rate of which State Education Cess is levied on non-residential portion of land or building.	

APPENDIX — II.

Statement showing the properties during the year 1985-86.

(1) Properties as on 31-3-1986.

	City	Subs. and Extd. Subs.	Total
(1) Properties as on 31-3-1986.	62,461	1,64,794	2,27,255
(2) Properties exempted from General Tax.	4,382	2,265	6,647
(3) Properties newly assessed.	264	2,293	2,557
(4) Properties enlarged.	1,098	2,217	3,315
(5) Properties demolished.	99	276	375

APPENDIX — III.

Statement of Reteable Value as on 31-3-86. Rates of R. V. per head etc.

	City	Subs. and Extd. Subs.	Total
(1) Reteable Value.	100,29,47,811/-	120,82,48,448/-	221,11,96,259/-
(2) Population (1981 Census).	32,85,040	49,58,595	82,43,635
(3) Rate per head of population.	305.30%	243.67%	268.23%
(4) No. of complaints against R. V.	1,273	3,893	5,166
(5) Percentage of Reduction in R. V.	13.57%	22.62%	20.14%
(6) No. of appeals received against R. V.	308	496	804
(7) No. of appeals pending against R. V.	297	469	766

APPENDIX No. IV.

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

(Amount in Crores)

Nature of Tax	Year	Total net demand	Collection	Percentage of collection to net demand.	Out-standings	Percentage of outstandings to net demand.
Property Tax—						
City.	1983-84	91.49	64.48	70.48%	27.01	29.52%
Subs. & Extd. Subs.	—	108.15	65.98	61.00%	42.17	39.00%
City.	1984-85	101.51	69.03	68.00%	32.48	32.00%
Subs. & Extd. Subs.	—	113.54	74.25	65.39%	39.29%	34.61%
City.	1985-86	104.06	70.87	68.10%	33.19	31.89%
Subs. & Extd. Subs.	—	116.76	76.07	65.15%	40.69	34.85%
Wheel Tax—						
City.	1983-84	7.23	1.74	24.07%	5.49	75.93%
Subs. & Extd. Subs.	—	4.56	0.77	16.89%	3.79	83.11%
City.	1984-85	7.84	1.59	20.29%	6.25	79.71%
Subs. & Extd. Subs.	—	5.19	0.71	13.69%	4.48	86.31%
City.	1985-86	9.07	1.57	17.31%	7.50	82.69%
Subs. & Extd. Subs.	—	6.21	0.79	12.72%	5.42	87.27%

	City	Subs. and Extd. Subs.	Total
Miscellaneous Receipt 1985-86.			
(1) Notice Fee.	Rs. 1.90 lacs	Rs. 4.70 lacs	Rs. 6.60 lacs
(2) Warrant cost.	Rs. 1.10 lacs	Rs. 3.00 lacs	Rs. 4.10 lacs
(3) Penalty.	Rs. 50.00 lacs	Rs. 78.00 lacs	Rs. 128.00 lacs.
Amount of General Tax exempted.	1984-85 Rs. 1.76 Crs.	Rs. 1.55 Crs.	Rs. 3.31 Crs.
	1985-86 Rs. 1.76 Crs.	Rs. 1.55 Crs.	Rs. 3.31 Crs.

APPENDIX No. V.

- (1) Statement showing total demand, collection & outstandings of Municipal Property Taxes during 1985-86.
(Municipal Property Taxes including Water Tax, Water Benefit Tax, Sewerage Tax, Sewerage Benefit Tax but excluding W. Charges and S. Charges).

(Amount in Crores)

Period	Out-standing bills as on 1-4-85	Amount of bills issued during the year	Gross demand	Amount of bills recalled during the year	Net Demand	Less Unsettled demand.	Effective Demand	Collection during the year	Out-standing as on 31-3-86	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. I City Up to and 1983-84	14.09	2.09	16.18	2.58	13.60	—	—	2.52	11.08	
1984-85	8.80	1.51	10.31	1.88	8.43	—	—	3.12	5.31	
1985-86	—	46.40	46.40	4.99	41.41	—	—	37.26	4.15	
Total :	22.89	50.00	72.89	9.45	63.44	—	—	42.90	20.54	67.62%
Div. II Subs. & Extd. Subs. Upto & 1983-84	19.80	0.75	20.35	0.96	19.39	—	—	3.20	16.19	
1984-85	10.49	2.54	13.03	3.01	10.02	—	—	5.80	4.22	
1985-86	—	47.90	47.90	5.09	42.81	—	—	36.37	6.44	
Total :	30.09	51.19	81.28	9.06	72.22	—	—	45.37	26.85	62.82%

- (2) Water charges by Meter Measurement including Sewerage charges & Meter rent.

(Amount in lacs).

Div. I City Upto & 1983-84	788.10	71.39	859.49	97.37	762.12	—	—	124.37	637.75	
1984-85	655.85	68.78	724.63	319.74	404.89	—	—	313.08	91.81	
1985-86	—	2995.30	2995.30	100.39	2894.91	—	—	2359.76	535.15	
Total :	1443.95	3135.47	4579.42	517.50	4061.92	—	—	2797.21	1264.71	68.86%
Div. II Subs. & Extd. Subs. Upto & 1983-84	884.36	85.90	970.26	129.15	841.11	—	—	114.46	726.65	
1984-85	529.77	147.27	677.04	105.52	571.52	—	—	379.61	191.91	
1985-86	—	3207.47	3207.47	166.39	3041.08	—	—	2576.04	465.04	
Total :	1414.13	3440.64	4854.77	401.06	4453.71	—	—	3070.11	1383.60	68.93%

- (3) Sewerage Charges

(Amount in Lacs).

Div. I City— Upto & 1983-84	203.35	13.55	216.90	59.72	157.18	—	—	27.62	129.56	
1984-85	144.07	17.70	161.77	32.32	129.45	—	—	69.92	59.53	
1985-86	—	788.53	788.53	33.86	754.67	—	—	665.01	89.86	
Total :	347.42	819.78	1167.20	125.70	1041.50	—	—	762.55	278.95	73.21%
Div. II Subs. & Extd. Subs. Upto & 1983-84	188.45	40.24	208.69	14.00	194.69	—	—	14.54	180.15	
1984-85	129.64	42.26	171.90	85.00	86.90	—	—	68.43	18.47	
1985-86	—	346.13	346.13	31.83	314.50	—	—	223.73	90.77	
Total :	298.09	428.63	726.72	130.83	596.09	—	—	306.70	289.39	51.45%

(4) Wheel Tax
(Amount in Lacs)

(Amount in Crores)

Period	Out-standing bills issued as on 1-4-85	Amount of bills issued during the year	Gross demand	Amount of bills recalled during the year	Net Demand	Less Unsettled demand.	Effective Demand	Collection during the year	Out-standings as on 31-3-86	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. I. City Upto & 1983-84	510.11	17.78	527.89	8.80	519.09	—	—	25.96	493.13	
1984-85	114.99	20.94	135.93	2.84	133.09	—	—	24.71	108.38	
1985-86	—	258.89	258.89	3.84	255.05	—	—	105.87	149.18	
Total :	625.10	297.61	922.71	15.48	907.23	—	—	156.54	750.69	17.25%
Div. II Subs. & Extd. Subs. Upto & 1983-84	353.04	16.03	369.07	1.57	367.50	—	—	20.24	347.26	
1984-85	84.15	19.12	103.27	0.84	102.43	—	—	16.03	86.40	
1985-86	—	151.49	151.49	0.46	151.03	—	—	42.52	108.51	
Total :	437.19	186.64	623.83	2.87	620.96	—	—	78.79	542.17	12.69%

(5) Water Tax
(Amount in Lacs)

Div. I—City Upto & 1983-84	78.28	22.30	100.58	14.98	85.60	—	—	26.08	59.52	
1984-85	108.99	16.06	125.05	53.76	71.29	—	—	20.01	51.28	
1985-86	—	362.97	362.97	44.73	318.24	—	—	225.83	92.41	
Total :	187.27	401.33	588.60	113.47	475.13	—	—	271.92	203.21	57.23%
Div. II Subs. & Extd. Subs. Upto & 1983-84	55.46	0.50	55.96	0.01	55.95	—	—	4.64	51.31	
1984-85	32.50	0.11	32.61	0.60	32.01	—	—	1.16	30.85	
1985-86	—	44.71	44.71	1.11	43.60	—	—	30.08	13.52	
Total :	87.96	45.32	133.28	1.72	131.56	—	—	35.88	95.68	27.27%

(6) Water Benefit Tax
(Amount in Lacs)

Div. I—City Upto & 1983-84	120.59	26.05	146.64	28.94	117.70	—	—	30.38	87.32	
1984-85	122.01	20.34	142.35	24.40	117.95	—	—	42.56	75.39	
1985-86	—	647.10	647.10	67.35	579.75	—	—	473.77	105.98	
Total :	242.60	693.49	936.09	120.69	815.40	—	—	546.71	268.69	67.05%
Div. II Subs. and Extd. Subs. Upto & 1983-84	297.71	9.01	306.72	9.00	297.72	—	—	16.15	281.57	
1984-85	151.04	33.86	184.90	42.62	142.28	—	—	90.14	52.14	
1985-86	—	770.58	770.58	70.21	700.37	—	—	516.79	183.58	
Total :	448.75	813.45	1262.20	121.83	1140.37	—	—	623.08	517.29	54.64%

(7) Sewerage Tax

Period	Out-standing bills as on 1-4-85	Amount of bills issued during the year	Gross demand	Amount of bills recalled during the year	Net Demand	Less Unsettled demand.	Effective Demand	Collection during the year	Out-standings as on 31-3-86	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. I City										
Upto & 1983-84	102.74	17.21	119.95	26.78	93.17	—	—	19.49	73.68	
1984-85	81.40	9.78	91.18	17.45	73.73	—	—	19.85	53.88	
1985-86	—	255.47	255.47	28.78	226.69	—	—	165.27	61.42	
Total :	184.14	282.46	466.60	73.01	393.59	—	—	204.61	188.98	51.99%
Div. II Subs. & Extd. Subs.										
Upto & 1983-84	267.55	12.70	280.25	10.47	269.78	—	—	25.19	244.59	
1984-85	120.46	21.40	141.86	36.01	105.85	—	—	43.98	61.87	
1985-86	—	479.05	479.05	52.05	427.00	—	—	299.47	127.53	
Total :	388.01	513.15	901.16	98.53	802.63	—	—	368.64	433.99	45.93%
(8) Sewerage Benefit Tax (Amount in Lacs)										
Div. I City										
Upto & 1983-84	69.53	20.86	90.39	22.46	67.93	—	—	22.41	45.52	
1984-85	86.58	16.64	103.22	16.77	86.45	—	—	30.64	55.81	
1985-86	—	430.72	430.72	45.39	385.33	—	—	311.43	73.90	
Total :	156.11	468.22	624.33	84.62	539.71	—	—	364.48	175.23	67.53%
Div. II Subs. & Extd. Subs.										
Upto & 1983-84	204.12	5.84	209.96	8.58	201.38	—	—	22.78	178.60	
1984-85	96.45	19.18	115.63	25.27	90.36	—	—	47.64	42.72	
1985-86	—	511.42	511.42	45.96	465.46	—	—	350.84	114.62	
Total :	300.57	536.44	837.01	79.81	757.20	—	—	421.26	335.94	55.63%

APPENDIX No. VI.

(1) State Education Cess (Amount in Lacs)

Statement showing total Demand, Collection and Outstanding of Government Taxes and Cess during 1985-86.

Period	Out-standing bills as on 1-4-85	Amount of bills issued during the year	Gross demand	Amount of bills recalled during the year	Net Demand	Less Unsettled demand.	Effective Demand	Collection during the year	Out-standings as on 31-3-86	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. I City										
Upto & 1983-84	318.12	63.80	381.92	71.18	310.74	—	—	82.37	228.37	
1984-85	208.90	43.33	252.23	47.99	204.24	—	—	50.40	153.84	
1985-86	—	973.94	973.94	114.27	859.67	—	—	685.39	174.28	
Total :	527.02	1081.07	1608.09	233.44	1374.65	—	—	818.16	556.49	59.52%

Period	Out-standing bills as on 1-4-85	Amount of bills issued during the year	Gross demand	Amount of bills recalled during the year	Net Demand	Less Unsettled demand.	Effective Demand	Collection during the year	Out-standings as on 31-3-86	Percentage of collection to net demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Div. II Subs. & Extd. Subs. Upto & 1983-84	451.73	15.49	467.22	22.48	444.74	—	—	56.02	388.72	
1984-85	197.69	46.50	244.19	55.82	188.37	—	—	114.88	73.49	
1985-86	—	996.05	996.05	90.50	905.55	—	—	625.72	279.83	
Total :	649.42	1058.04	1707.46	168.80	1538.66	—	—	796.62	742.04	51.77%
(2) Urban Immoveable Property Tax (Amount in Lacs)										
Div. I City Upto & 1962-63	0.32	—	0.32	—	0.32	—	—	—	0.32	—
Div. Subs. & Extd. Subs. Upto & 1962-63	1.83	—	1.83	—	1.83	—	—	0.01	1.82	—
(3) Employment Guarantee Cess (Amount in Lacs)										
Div. I City Upto & 1983-84	142.93	15.12	158.05	16.56	141.49	—	—	19.86	121.63	
1984-85	57.80	10.38	68.18	10.35	57.83	—	—	14.12	43.71	
1985-86	—	193.26	193.26	24.72	168.54	—	—	132.99	35.55	
Total :	200.73	218.76	419.49	51.63	367.86	—	—	166.97	200.89	45.39%
Div. II Subs. & Extd. Subs. Upto & 1983-84	113.81	2.81	116.62	4.57	112.05	—	—	12.42	99.63	
1984-85	32.79	6.14	38.93	7.86	31.07	—	—	16.30	14.77	
1985-86	—	144.52	144.52	12.88	131.64	—	—	75.75	55.89	
Total :	146.60	153.47	300.07	25.31	274.76	—	—	104.47	170.29	38.02%
(4) Additional State Education Cess (Amount in Lacs)										
Div. I City Upto & 1973-74	0.69	—	0.69	0.01	0.68	—	—	0.03	0.65	4.41%
Div. II Subs. & Extd. Subs. Upto & 1973-74	3.38	0.02	3.40	—	3.40	—	—	0.10	3.30	2.94%
(5) Repairs and Reconstruction Cess (Amount in Lacs)										
Past & Previous years i.e., upto and 1984-85 Category 'A'	1168.09	119.43	1287.52	76.71	1210.81	—	—	255.14	955.67	
'B'	103.23	9.00	112.23	7.61	104.62	—	—	13.42	91.20	
'C'	152.96	9.80	162.76	9.54	153.22	—	—	19.68	133.54	
Total :	1424.28	138.23	1562.51	93.86	1468.65	—	—	288.24	1180.41	19.66%
Current year 1985-86 Category 'A'	—	989.73	989.73	89.92	899.81	—	—	455.49	444.32	
'B'	—	70.66	70.66	3.79	66.87	—	—	34.28	32.59	
'C'	—	104.25	104.25	10.08	94.17	—	—	50.02	44.15	
Total :	—	1164.64	1164.64	103.79	1060.85	—	—	539.79	521.06	50.88%
Grand Total :	1424.28	1302.87	2727.15	197.65	2529.50	—	—	828.03	1701.47	32.73%

APPENDIX — VII.

Bills issued during the year 1985-86.

	CITY		SUBS. AND EXT'D. SUBS.		GRAND TOTAL	
	Past and previous years	Current year.	Past and previous years	Current year	Past and previous years	Current year
	No. of bills	No. of bills	No. of bills	No. of bills	No. of bills	No. of bills
(1) Property Taxes.	3,339	1,27,723	6,680	3,19,040	10,019	4,46,763
(2) Water charges by Meter Measurement including Meter Hire.	3,481	82,387	19,399	2,36,521	22,880	3,18,908
(3) Wheel Tax.	48,568	2,09,685	50,340	1,49,030	98,908	3,58,415

APPENDIX — VIII.

(A) Break up of arrears settled and effective demand of Municipal Property Taxes including Water Charges, Sewerage Charges, Water Benefit Tax, Sewerage Benefit Tax, Wheel Tax but exclusive of State Education Cess, Addl. State Education Cess and Employment Guarantee Cess as on 31-3-1986.

(Rs. in Lacs)

	CITY	SUBS. & EXT'D. SUBS.	TOTAL
(1) Government and Dy. Custodian of Evacuee properties.	503.92	476.28	980.20
(2) Bombay Port Trust.	97.54	16.06	113.60
(3) B. M. C. Impts. and other Municipal Departments.	59.45	26.42	85.87
(4) Properties under attachment.	245.56	197.19	442.75
(5) Amounts involved in respect of unauthorised structures and hutments.	117.96	1051.64	1169.60
(6) Amount due from B.E.S.T. Undertaking.	10.89	4.89	15.78
(7) Instalments allowed.	117.50	63.23	180.73
(8) Monthly tenancy structures.	21.72	17.21	38.93
(9) Amount held in deposit.	33.80	89.01	122.81
(10) Other ratepayers : (a) Property Taxes.	360.84	1238.24	1599.08
(b) Wheel Tax.	320.91	124.99	445.90
TOTAL :	1890.09	3305.16	5195.25

- (1) Payment was not received from Government Departments before 31st March 1986. The Dy. Custodian of Evacuse Properties pays as and when funds permits.
- (2) The payment was not received before 31st March 1986.
- (3) The amount await adjustments.
- (4) Properties have been attached and steps have since been taken to expedite the sale of properties attached.
- (5) Since the numbering of hutments, recovery has received further setback and the arrears have mounted up. The position may improve only when question is finally settled and compensation recovered from hutment dwellers is made available.
- (6) The matter is under correspondence.
- (7) The recovery would be effected in due course.
- (8) There are various difficulties for effecting recovery of taxes in respect of monthly tenancy structures.
- (9) Amount awaits adjustment.
- (10) The recovery is in progress.

(B) Break up of arrears of unsettled and provisional demand of Municipal Property Taxes including Water Charges, Sewerage Charges, Water Benefit Tax, Sewerage Benefit Tax, Wheel Tax but exclusive of State Education Cess, Addl. State Education Cess & Employment Guarantee Cess as on 31st March 1986.

(Amount in Lacs)

	City	Subs. & Extd. Subs.	Total
(1) Railways.	85.00	24.00	109.00
(2) Court Receiver, Official Assignee etc.	70.44	72.98	143.42
(3) Suit filed, Injunctions, Appeals and writ petitions against rateable value.	304.44	140.94	445.38
(4) Complaints against rateable value.	723.12	330.41	1053.53
(5) Disputed Property Taxes.	180.06	161.92	341.98
(6) Disputes regarding wheel tax.	425.36	296.84	722.20
(7) Bills issued at the fag end of the year.	390.83	278.86	669.69
(8) Arrears of taxes carried forward from the records of the defunct local bodies.	—	0.36	0.36
Total :	2179.25	1306.31	3485.56

(1) The Railways have made 'on account' payments of Rs. 10.82 lacs during 1985-86. The question of assessment of Railway properties for the quinquennium 1st April 1959 to 31st March 1964 and for the subsequent quinquennium is still pending and is being pursued with the Railway Authorities.

(2) The payments are made when Funds are available.

(3) These matters are pending before the Court and recovery would be effected as & when appeals and Writ Petitions before the Courts are disposed of.

(4) Complaints are pending and the payments can be demanded after disposal of complaints against rateable value.

(5) The matter is under correspondence.

(6) The matter is under correspondence.

(7) The recovery is in progress.

(8) Most of the properties no longer exist nor the owners are traceable.

APPENDIX — IX

(A) Cinema Theatres and Tax

	No. of Theatres Class I	No. of Theatres Class II	Total No. of Theatres	Collection during 1984-85	Collection during 1985-86
City.	67	1	68	19,32,065	18,66,389
Subs. and Extd. Subs.	62	—	62	16,41,501	16,73,806
Total :	129	1	130	35,73,566	35,40,195

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

(a) Hack Victories (2 Horses each).	184
(b) Labour Carts (with pair of bullocks).	257
(c) Hand Carts.	13,631

Total : 14,072

Vehicles and Animals taxed during the year 1985-86.

Vehicles or Animals taxed during the year	No.	Vehicles or Animals taxed during the year	No.
(1) Motor Cycle Solo.	1,36,907	11) Taxis.	32,794
2) Motor cycle with side car.	3,599	12) Passenger Buses.	2,002
3) Trade Certificates.	36	13) Ambulance.	169
4) Motor Lorries.	26,111	14) Others.	—
5) Delivery Vans.	14,228	15) Four wheeled vehicles drawn by animals.	10
6) Trailors.	597	16) Two wheeled vehicles drawn by animals.	270
7) Tanker.	949	17) Hand Carts.	13,631
8) Crane.	557	18) Horses.	125
9) Motor Trucks.	333	19) Ponies.	2,050
10) Motor Cars.	1,66,976	20) Bullocks.	705
		21) Auto Rickshaw.	20,180
		Total :	4,22,229

APPENDIX — X

Classification of properties according to Rateable Value

Rateable Value	No. of properties.	
	City	Subs. and Extended Suburbs.
Below Rs. 200/-	8,576	34,277
Between Rs. 201 to 300	2,760	13,396
— " — 301 to 400	3,274	11,215
401 to 500	2,758	9,435
501 to 750	4,061	13,472
751 to 1000	3,693	10,491
1001 to 1500	4,182	12,626
1501 to 2000	4,133	9,127
2001 to 5000	10,266	18,145
5001 to 10000	7,366	10,989
10001 to 20000	4,920	9,259
20001 to 30000	1,967	4,489
30001 to 40000	841	2,433
40001 to 50000	673	1,710
50001 to 100000	1,345	2,451
100001 to 150000	562	596
150001 to 200000	305	282
200001 to 250000	178	152
250001 to 300000	150	75
3,00,001 to 3,50,000	251	68
350001 and above.	201	106
Total :	62,461	1,64,794

EDUCATION DEPARTMENT

Administrative Report for the year 1985-86.

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

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

The entire supervision and administration of Education Department was carried out by the Education Officer Smt. Kusum N. Kamat, M. A. Ed. (up to 30-11-85) and Sudha V. Pandit, M. A. M. Ed. Ed. (U.S.A) (from 2-12-85) as the Head of the Department with assistance of Officers on academic side as well as the Administrative staff.

School Premises

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

	As on 31st March 1985		As on 31st March 1986	
	No. of schools premises	No. of schools conducted	No. of schools Premises	No. of schools conducted
(1) Municipal owned.	309	942	311	961
(2) Rented building.	358	339	347	330
(3) Rent free.	27	29	27	29
Total	694	1310	685	1320

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

Teachers

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

Private Primary Schools

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

Special Education

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

Information as on 31-3-1986

Medium	No. of classes	No. of divisions	No. of teachers	No. of children	Average attendance
Marathi, Gujarati, Hindi, English.	14	34	35	522	550

Name of Section	Activity	No. of participants Beneficiaries.
1	2	3
	(viii) Petrol Hikes	968 —do—
	(ix) Judes Trg. Camp.	135 Trs. & Officers Incharges.
	(x) Social service Project.	823 including students trs. & officers.
	(xi) Scout/Guide festival.	1430 —do—
	S/G Sports & Rallies	8500 —do—
	(xii) 24th Presidents S/G Rally.	12 including teachers.
	(xiii) 10th National Jamborate.	57 —do—
2. Dal Bhavan Centres.	Programmes Organising different games, handicrafts, drawing painting, folk songs, dramatic, elevation etc., and other programmes at all centres after school hours.	45 centres 1780 participants.
3. Audic Viswal Section.	Schools	920
	No. of films shows	2835
	No. of students benefitted.	4,37,670
4. Training for	Teaching Aid Centre for inservice teachers.	1 centre 300
	Teaching Aid Centre at Gilder Tank prepared different teaching Aids.	1000
	Printing section of teaching Aid Centre printed Pragati Magazines and different invitation cards for all the activities of the department for its programme etc., and different types of forms.	5,00,000
5. Teachers Library.	Centres	3
	Members	11,582
	books.	79,048

Language Development Project—

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

1. Teachers training.
2. Production of instructional material.
3. Research and Evaluation.

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

Teacher Training

Teacher training is an important activity at the project centre during the year 1985-86. Training programmes, workshops orientation lectures and seminars were held both in the area of English language teaching and mother tongue teaching.

Department of English

A second correspondence-cum-contact Course in English which is of 8 months duration was carried to a successful completion. 62 teachers appeared for the final examination of this course which was held in the month of July 1985.

A function was held for the distribution of certificates to the successful teacher trainees who had passed the final examination certificate were distributed to 58 successful teacher trainees.

The 3rd Correspondence-cum-contact Course was conducted during the year 1985-86. 75 teachers teaching English in Municipal schools situated in the Eastern Suburbs of Bombay were enrolled for this course. The contact sessions were held throughout the year and the final examination for this course will be held in July 1986. During contact sessions, the teacher trainees were exposed to language laboratory experiences and a number of films, video films, slides and film-strips were shown to the teacher trainees.

During the year the teacher trainees in several Junior colleges of Education visited the Language Development Project and observed the working of Language Laboratory. About 250 teacher trainees from Tarabai Modak Adhyapan Vidyalaya and Ramabai Navrange Junior College of Education visited the Language Laboratory. 77 teacher trainees from Rambai Navrange Junior college of Education completed a five hour course in spoken English (prepared by the L.D.P.) on payment of Rs. 25/- teacher trainee.

Under the dissemination scheme, teachers teaching English meet once a month in ward centres and various programmes in the field of English language teaching are organised under guidance and supervision of the L. D. P. staff. The dissemination centre at Ghatkopar was most active in this respect and model lessons, discussions were help for teachers of English during the year. The video film prepared by the project was shown to all the teachers teaching English in that ward.

Guidance lectures were given by the consultant, English Department at the following centres :—

1. S. G. Barve Marg U. P. Marathi school, Kurla.
2. R. C. Mahim Urdu school, Mahim.
3. J. V. Marg Marathi school, Ghatkopar.

Shri D. K. Shende, consultant, English Department guided about two hundred teachers regarding English language teaching at the above mentioned centres.

Mother-Tongue-Department

An activity oriented programme for the development of language skills of the pupils studying in std. I & std. II in Municipal Marathi schools was continued during this year. Smt. L. T. Dhavan from the Marathi Department visited six divisions of Marathi schools and gave guidance lectures to about six hundred teachers teaching Marathi in std. I about the development of language skills and the use of the book 'मला वाचता येतय' Monthly guidance meetings for teachers of std. II were organised and cyclostyled material based on the text-book of std. II was distributed to teachers of std. II. A workshop was organized in all the six beat of the Hindi side to orient the teachers for effective teaching of the new "BalBharati" introduced for std. VI from the academic year 1985-86. The reader was analysed at this workshop.

Orientation lectures for effective use of new language text-book for std. VI Gujarati were also held in these Gujarati beats and seminars organized for teachers under the guidance of L. D. P. staff.

One day workshop on poem-appreciation and model reading of poems were held in Hindi and Urdu at the project-centre for teachers teaching std. V to VII. Dr. Shambhunath Singh, a noted poet and Ex. Reader of Benaras University was invited for Hindi and Shri Hasan Kamal, a noted Urdu Poet and Editor of Urdu Blitz was invited for Urdu. About 160 Hindi and Urdu teachers attended these workshops and enjoyed the sessions.

Material Production :

The correspondence course lessons in English were submitted to Dr. R. S. Saraf for his suggestions previous year, one more video film was produced for inservice training. This video films was produced at the centre and the video shooting was done in two Municipal Schools. About two hundred children and ten teachers were involved in the video shooting.

The coorespondence course lessons in English were submitted to Dr. R. S. Saraf for his suggestions regarding modifications in the lessons, if any, 2000 copies of the Gujarati perellel ext-book for std. I were printed a the Rota Press and distributed to 12 Municipal Gujarati schools for try-out.

As in the past, hand-books for teachers, workbooks for pupils, support material for teachers and pupils were prepared in all languages. Recording of poems and useful audio recording was done in Marathi kits for teaching of English consisting of pictures for composition, a set of sound-symbol cards and charts for the development of vocabulary were purchased and distributed to 400 Municipal Marathi Schools.

40 sets of wooden cut-outs of vegetables, fruits; flowers, birds animals etc., useful for the development of vocabulary and sunfence-patterns were purchased and distributed to twenty experimental Marathi Schools.

Research and Evaluation :

The research report on the dialect 'kunchi Korve' was finalised and printed at the Municipal Press. Three meeting were conducted with teachers to discuss, the follow-up work of the research study on "kunchi karve". A plan of action and remedial measures were suggested by the linguish and staff of the Marathi Section of the L. D. P.

The following three action reserch programmes were taken by the L. D. P. staff.

1. Remedial regarding in Dr. Ambedkar Rd. school, Dadar (Marathi).
2. Composition writing in Kamathipura Municipal Hindi school.
3. Development of creativity in expression in Laxmibai school, Matunga (Gujarati).

Out of the three action reserch programmes, the first two were successfully completed and their reports are prepared and the last one is continued in the next year.

Miscellaneous

A number of new titles in linguistics, functional, English and language teaching were added to the library. A cassette library is being built-up for use in the language laboratory. The renovation work in the Audic Visual studic at the project is nearly completed.

Other Important events of the project

1. A meeting of the Education Committee was help at the project centre in the month of August 1985.

2. Shri Ajit Warty, A.M.C. (W) visited the project and observed the working of the language laboratory.

3. D. M. C. (I) Shri Pravin Kamdar, visited the L. D. P. and presided over the function organized the distribution of certificates to the successful teacher trainees who participated in the correspondence-cum-contact course in English.

4. Smt. Panna Adhavarya, Superintendent, L. D. P. attended and participated in a seminar organised by the Central Institute of Educational Technology, New Delhi on the subject of Audio-Radio programmes.

5. Smt. L. T. Dhavan, A. O. (S) and Shri R. W. Purajape, Inspector (Schools) participated in the 16th Annual conference of Educational Technology held at New Delhi.

6. The L. D. P. staff participated in the full day seminar on the New Education. policy organized by the State Education Department.

7. Smt. P. R. Adhavaryu, Supt., L. D. P. was invited as a Resource person in the seminar organized by the institute of child care and Development at Pune.

8. The L. D. P. staff attended the lecture demonstration given by Dr. Nicholas Hosbursh on the experimental school run by him at "Neelbaug". The lecture was organised by Oxford University press.

9. Smt. Leena D'Souza and her colleague reader in the S. N. D. T. university L. D. P. and got acquainted with all the activities undertaken at the project centre.

Music and Art Academy :

(i) Music Academy :

Imparted training to the regular trainees of the Inservice training course.

About 399 teachers.

Arrange Music competitions for Municipal School children.

About 6,542 students.

(ii) Art Academy :

Lecture-cum-demonstration programme

100 teachers.

Key School Project :

In order to help the talented and gifted children in Municipal Primary Schools by providing rich learning and experience the department has designed a special programme key schools and introduced the same from the academic in age group of 9 years from the nearby schools are selected on the basis of teachers judgement, I. Q. Tests and the aptitude of the students and they are brought to the centre. The curriculum programme for for these students is mainly of Music (Vocal Instrumental) art, craft, Drawing, sports, Science, Arithmetic and language. Special equipment material is also prepared and necessary staff is appointed.

Research Unit :

1. Wrote the report on "Study of stagnation in std. I in Municipal Primary Schools.
2. Calculation of drop-out rate of std. I children after collecting the information from schools for the year 1983-84.
3. Started the study of psychological problems of children of std. V.
4. Prepared curriculum and hand-books for teachers for std. I and II for N. H. E. E. S. Project.
5. Started-up prepare remedial exercises in Maths for std. III.
6. Follow-up work of stagnation report.
7. Administration of teacher recruitment test to about 700. Marathi, Hindi, Urdu, Gujrati, Tamil, Kannad teachers.
8. Revised teacher recruitment test and prepared first draft.

The School Social Service Project and Non-formal Education

With a view to restrict the rate of Drop-outs in the Municipal schools, the social services centre were launched in the year 1980—International year of the child.

Since then this project has helped us a lot in establishing, maintaining and buttering the report between schools and gardians on one hand, and on the other, it has also helped us to serve the slum community as a service centre schools.

During the year report, the following are the high lights of the work done by Social Service Centres. The total child population serves is 75,000.

In the area of drop-out problem cases 1011 children were brought back to school successfully.

The total number of 4925 Malnourished, poverty stricken children and also those suffering from chronic diseases were given supplementary nutritious food through philanthropic organizations.

The children suffering from Behavioural and psychological problems successfully handled were 155, children suffering from various types of medical problems e.g. Leprosy, T. B. scabies, E. N. T. etc., were 1043 who benefitted from social services centres.

Though the various schemes like material aid sponsorship financial assistance loan, 6482 children belonging to poverty-stricken families were helped and prevented from dropping out of schools.

With a view of prevention of potential drop-outs and various child problems in relation to the family, school system and slum community, the projects such as Balwadi, study-centres, therapeutic group work, medical camps, Leadership camps, competitions vocational Guidance and training programmes, Day camps, Recreation centres, Annad Melas etc., were conducted.

The total beneficiaries were 48,563.

The importance of parent Role in sound all-round development of children is vital and to create this awareness and strengthen this Role, various Educational meetings and programmes were held in which 10829 parents participated through various medias e.g. film shows, slide-shows, demonstrations, talks, discussions, visits exhibitions in the area of health & Hygiene, social problems, Alcoholism and Drug Addiction, family budgetting low-cost nutrition, Importance of education, Non-formal Adult-education programme, and Housing problems, the parents were educated.

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

Every year student appear for regular Annual Exams. and result have been very encouraging. During the year under report 274 benefitted through this programme, 163 pupils have appeared for Exams, out of which 137 pupils have succeeded.

Thus this project has greatly benefited the Education Department towards fulfilling its goals.

School Health Service for the year 1985-86.

During the year, 2,88,849 children were examined in 1189 primary Municipal Schools, 24,081 children were examined in 42 secondary Municipal schools, 2,32,503 children were found defectives. Total defects noted among the children were 4,60,187. 6656 cases were treated at the Municipal General dispensaries. 1,01,896 (new & Old) cases were treated at the school clinics.

9865 children were referred to the out patient department of Municipal General Hospital for experts opinion. 240 Toncils operations were performed at the school clinics, 450 children were supplied with spectacles, 42 children were supplied with special aid, such as calipers, Hearing aid etc. 806 cases of leprosy and 522 of Tuberculosis were referred to the special clinics for investigation and treatment.

Major Defects Noticed were as under :-

Major defects	Percentage	Major defects	Percentage
Dental	60.07%	Lungs & Tuberculosis.	2.25%
Throat	10.77%	Splkan	0.03%
Nose	12.62%	Skin	5.72%
Eye (External Disease)	1.40%	Detormity of Bones	2.12%
Eye (vision)	1.25%	General Debility.	29.36%
Ear (Disases)	1.92%	Other diseases	3.88%
Lymphthetic	3.05%	Vitamin Deficiency	13.44%
Heart & circulation	0.29%		

Health Education was imparted to about 38,180 parents and teachers, 13,490 domiciliary visits and Revisits were paid, Health parade, Health Ministry and Health Trophy competitions were arranged in schools in A, E, F/S, G/N, H/E, H/W, K/E, L, M, N Wards with a view to inculcate health habits among the children.

Immunization work done as under :-

Diphtheria and tetanus	1st Dose	1,14,485
—do—	2nd dose	88,969
T.A.B.		1,68,511

The medical examination in municipal schools were also carried out by—

1. Child Welfare at J. J. Group of Hospitals.
2. Departmental of preventive social T. N. M. college.
3. L. T. M. G. College (P.S.M. Deptt.)
4. K. E. M. Hospital (—do—)
5. Mobile Health Unit, Parel.

Elocution competitions

About 70,801 students of std. II to V from 1,320 various language schools participated in the elocution competitions.

Drawing competitions :

As practice of every year, this year also the drawing competitions arranged in all A.Os. (S) in December 1985. About 21 thousand students participated in this competition.

41 drawing students were selected from all A.Os.(S) and cash prizes has given the Best child drawing-artist.

Scholarship

Performance report of scholarship examination of 1985-86 is as overleaf.

	Middle school	High school
(1) No. of pupils appeared in examination.	789	1331
(2) No. of pupils obtained scholarship.	4	7
(3) No. of pupils obtained more than 60% marks.	33	75
(4) No. of teachers the prepared pupils for scholarship exam. to secure more than 60% marks in scholarship exam.	538	128

Seminar at Beat level

The Teachers' Seminar is held long year with a view to improve the professional competence of the teachers eminent Educationists are usually invited as guest speakers for the seminars.

In the year 1985-86 the topic chosen for the seminar for all Beats was "Evaluation committee Report." Hon. Mr. Dinesh Afzupurkar during his tenure as A. M. C. (W) had appointed a committee of renowned educationists to go into the details of the working of the Municipal schools the Greater Bombay and submit a report in order to acquaint the teachers up for discussion and analysis in all the seminars. The report got a wide publicity and the teachers' responses were also noted down Measures were suggested by the teachers and other officials of the education department for removing the defects in the existing system and bring about improvements for the efficient working of the Municipal schools. The details of the Beatwise Teachers' Seminars are given below on proximate basis.

Sr. No.	Language	Total seminars	Total trs. participants	Total resource persons.
(1)	Marathi	18	3150	23
(2)	Gujarati	6	750	11
(3)	Urdu	6	800	12
(4)	Hindi	6	755	18
(5)	Tamil & Malayalam	1	120	2
(6)	Telugu	1	135	2
(7)	Kannada	1	150	2
(8)	English & Sindhi	1	150	2
(9)	Divisional seminar.	1	150	2
Total		41	6150	74

Balkotsav

As ususai, Balkotsav, cultural programmes, Dramatic competitions and folk Dance etc., were arranged. More then 8000 students participated in this programmes which were enjoyed by about 95,000 students as well as 14,000 parents and 6,000 teachers. The performance was very much appreciated.

Secondary School Section

The Municipal Corporation of Greater Bombay have undertaken the activity of secondary education since 1985.

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

No. of schools	—	51
No. of classes	—	1655
No. of students	—	82277
Total no of teaching satff.	—	2800

Different Activities.

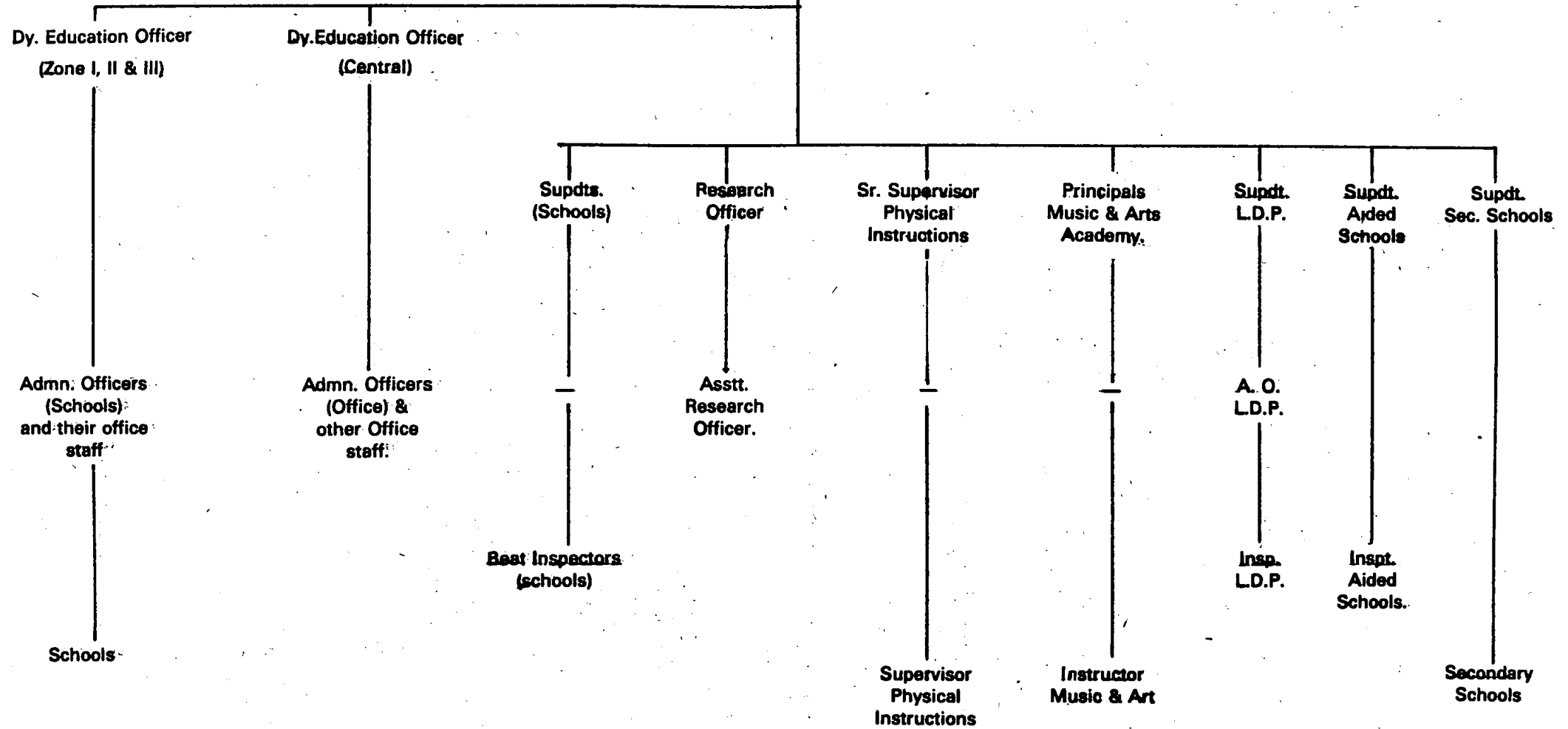
Special study classes of English & Maths for S. S. C. Students and conduct the Homi Bhabha Centres for Science subject.

Result of S.S.C. Examination of the Municipal Secondary Schools.

Year	Total result i.e. the no. of students appeared and passed.	Percentage of passing.	No of students security more than 10% marks.
1984-85	8867/3018	34.3	160
1985-86	9318/3540	38	209

Organizational Chart

Education Officer



A statement showing the no. of Municipal Primary Schools, Pupils & Teachers as on 31st March 1986.

Sr. No.	Language	City				Suburbs				Ext. Suburbs			
		Schools	Classes	Pupils	Trs.	Schools	Classes	Pupils	Trs.	Schools	Classes	Pupils	Trs.
1.	Marathi	249	—	125326	3549	200	1	150104	3723	121	—	87970	2322
2.	Tamil	14	1	5890	140	14	1	4960	114	12	—	4340	103
3.	Telugu	18	2	6969	188	11	4	2709	62	7	5	2034	50
4.	Kannad	15	4	3083	102	21	4	5505	189	9	3	3132	107
5.	Malyalam	—	—	—	—	1	—	33	8	—	—	—	—
6.	Gujarati	59	2	12773	373	53	2	15472	461	48	1	17618	548
7.	Hindi	56	1	23437	588	73	3	42837	899	46	1	27486	664
8.	English	19	1	5907	150	12	—	3873	108	6	—	2366	63
9.	Urdu	104	3	40269	1029	82	3	55258	1223	23	2	12125	294
10.	Sindhi	—	—	—	—	—	—	63	9	1	—	71	7
Grand Total		534	14	223654	6119	468	18	280814	6794	273	12	157142	4158

A statement showing the numbers of private primary schools and pupils as on 31st March 1986.

Sr. No.	Language	City				Suburbs				Ext. Suburbs			
		Recognised		Aided		Recognised		Aided		Recognised		Aided	
		School	Students	School	Students	School	Students	School	Students	School	Students	School	Students
1.	Marathi	25	14058	35	12956	24	10202	49	23350	8	3736	25	10003
2.	Gujarati	27	5398	24	5341	20	12152	19	13156	16	9752	25	16811
3.	Hindi	3	1071	9	5520	5	2180	11	4469	4	1744	8	3601
4.	English	141	61666	30	12247	154	65726	33	15021	69	29529	7	4513
5.	Urdu	2	879	10	4725	7	1198	4	647	—	—	—	—
6.	Kannada	1	22	5	352	—	—	—	—	—	—	1	124
7.	Tamil	1	195	1	595	—	—	—	—	1	360	—	—
8.	Malyalam	—	—	1	423	—	—	—	—	1	150	—	—
Total		200	82379	115	42149	210	91458	116	56643	99	45271	66	35052

List of Municipal Award Winning Teachers for 1985-86.

Sr. No.	Name of the teacher.	Designation	Name of the school
1.	Shri Abdul Masjid Abdul Nabi	H. Tr.	Chunabhatti Urdu
2.	Shri Arjun Shambhu Pagare	—do—	Telang Marg U.P.M.S. No. 1.
3.	Shri Girijashankar Sahmbharam Vora	—do—	Ramchhoddas Marg G. S.
4.	Shri Govind Namdeo Chaudhari	—do—	Rani Sati Marg U.P.M.S. No. 1.
5.	Shri Nivrutti Revji Nikale	—do—	Kannamwarnagar U.P.M.S. No. 1.
6.	Shri Pandurang Tukaram Patil	—do—	Goshala Marg U.P.M.S.
7.	Smt. Malati Madhav Borge	—do—	Agripada Secondary school.
8.	Shri Ramapati Vishwanath Tiwari	—do—	Poisar Hindi School.
9.	Smt. Vina Jasavantlal Jolia	—do—	Manilal Sunderji G. S.
10.	Smt. Samimbegam Shaikh Hussain Jalaluddin	—do—	Shivaji Nagar U. S. 2.
11.	Shri Shirur Raghuram Shetty	—do—	Sodawala Lane Kannad
12.	Shri Shamburam Ambikaprasad Maurya	—do—	Dadar Woollen Mill Lane Hindi.
13.	Smt. Saroj Dattatraya Kale	—do—	Durgadevi Marathi.
14.	Smt. Sunita Udaybhanu Pai	—do—	Govandi station U.P.M.S. No. 3.
15.	Smt. Snehal Sharad Parulekar	—do—	City of Loss Angles U.P.M.S.
16.	Halimabi Abdul Aziz	—do—	Takiya ward Urdu
17.	Smt. Hashamatabi Abdul Latif Shaikh	—do—	Oshivra Urdu.
18.	Shri Hemchandra Trimbak Pimparikar	—do—	Lord Harris U.P.M.S.
19.	Smt. Ashalata Nandan Mahajan	Dy.H.Tr.	Worli Police Camp M. S.
20.	Shri Narendrakumar Manilal Desai	—do—	City of Loss Angles English
21.	Shri Vishnu Rangnath tendulkar	—do—	Sardarnagar U.P.M.S. No. 1.
22.	Shri Shashidhar Ramkrishna Sakhalakar	—do—	Khernagar U.P.N.S. No. 1.
23.	Smt. Pushpa Jayawant Jamsandekar	Drawing Tr.	Goshala Marg U. P.M.S.
24.	Shri Laxman Narayan Kerkar	Trd. Tr.	Lalbaug U.P.M.S. No. 2.
25.	Smt. Sunita Purushottam Tarkar	—do—	Khernagar U.P.M.S. No. 1.
26.	Smt. Sumati Balkrishna Brahamdande	Drawing Tr.	Worli Naka M. S. No. 1.

PUBLIC HEALTH

HIGH LIGHTS

Expenditure :

(1) Maternity and Child Welfare Centres.	...	Rs. 3,48,72,235
(2) Pre-School and School Health Services.	...	Rs. 54,15,639
(3) Prevention and Control of Infectious Disease, etc.	...	Rs. 4,37,48,630

INCOME

Issue of licences, certificates of Births, Deaths, etc. ... Rs. 78,89,663

Control of Food Adulteration.

Samples under P. F. A. Act	...	1611
Adulterated.	...	37
Prosecutions.	...	8
Fines realised	...	Nil

Food Establishments.	Eating Houses.	Bakeries.
Grade I	495	—
Grade II	956	—
Grade III	4157	467
Without Grade.	—	—
Total	5608	467

HYGIENE

Maternity and Child Welfare Services :

	Maternity Homes.	Maternity Wards.	Maternity & Child Welfare Centres.
	22	11	39
Deliveries conducted.	38,218	34,145	—
Cases treated at Clinics.	—	—	6,47,593

Family Welfare Centres.

I. U. C. D. insertions.	8,842
Vasectomy Operations.	9,008
Tubectomy Operations.	17,116
Condoms distributed free.	6,73,286
Dispensaries.	Mobile Dispensaries.
148	5 (Munl.)

Municipal Laboratory.

Total samples received.	Water samples.	Samples found unfit for potable purposes.
45,976	27,766	3,836

Municipal Hospitals

	Indoor	Outdoor
1) Eye Hospital Kamathipura.		
i) New Cases.	2330	27,373
ii) Total attendance.	19773	86,030
2) 13 Municipal General Hospitals under Executive Health Officer.		
i) New cases.	1,49,194	11,23,092
ii) Total attendance.	7,74,047	38,00,204
3) Kasturba Hospital for Infectious Diseases.		
Total beds.	680	
Admissions.	20,528	

Outside Activities.

Municipal General Dispensary at Mahakali Road, Sunder Nagar, Andheri (East) was newly opened.

STATISTICS FOR THE YEAR 1985

	City	Suburbs	Ext. Sub.	Gr. Bombay
1. Area of Greater Bombay (Municipal Corporation).	68.71	192.33	176.67	437.71
2. Density of Population as per Sq. Kms. (1981 Census).	47810	15983	10666	18833
3. Population Census of 1981.	3285040	3073981	1884384	8243405
4. Total Birth registered 1985.	74300	81326	56331	211957
5. Birth rate per 1000 population census 1981	22.6	26.5	29.9	25.7
Mid year estimated 1985.	19.5	22.8	25.7	22.2
6. Death registered in 1985.	33332	25566	14261	73159
7. Death rate per 1000 population census of 1981.	10.1	8.3	7.6	8.9
Mid year estimated 1985.	8.7	7.2	6.5	7.6
8. Total Deaths among infants (under 1 year).	5273	5176	2833	13282
9. Infant death rate per 1000 live births.	71.0	63.6	50.3	62.7
10. Maternal Deaths.	71	58	50	179
11. Maternal Death rate per 1000 live births.	1.0	0.7	0.9	0.8
12. Still births.	1733	2320	1943	5996
13. Plague, Cholera, Small Pox deaths.	—	—	—	—
14. Tuberculosis death.	4023	2624	1384	8031
Death Rate.	1.1	0.7	0.6	0.8
15. Acute Anterior Poliomyelitis Deaths.	67	50	29	146
Death Rate.	0.0	0.0	0.0	0.0
16. Diptheria Death.	9	5	1	15
Death rate.	0.0	0.0	0.0	0.0
17. Typhoid Deaths.	25	9	6	40
Death Rate.	0.0	0.0	0.0	0.0

FOOD SANITATION AND PREVENTION OF FOOD ADULTERATION

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

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

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

Solid articles of food including sweets (Kgs.)	Liquid food Lts.	Vegetables Kgs.	Fruits Doz.
2,98,973	1,08,619	45,281	59,750

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

REGISTRATION OF BIRTHS AND DEATHS :

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

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

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

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

Vital Statistics and Control of communicable diseases :

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

Anti — plague measure.

Rat Control Work :

Integrated rat control with the employment of combinations of different measures was planned and executed. Total number of rates caught and destroyed was 5,85,487 (including 2,03,193 rattus and 2,63,433 Bandicota group). No rat was found plague infected.

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

Cholera : There was not case of Cholera. Preventive measures such as anti-cholera inoculations, disinfection of well water, destruction of over ripe and rotten fruits, were continued as routine measures. 2,11,363 person were inoculated against Cholera.

Tuberculosis : T. B. Control Unit continued its activities during the year. Majority of hidden cases have been brought on the register. During the year 27,947 T. B. cases were notified and deaths numbered 8031. Services of Health Visitors have been integrated with the services of Treatment Organisers working under Assistant Health Officer (T.B.) at F/South Municipal Ward Office, Parel, Bombay 400 012.

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

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

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

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

Sexuality Transmitted Diseases (V. D.) :

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

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

LEPROSY :

Leprosy cases in Greater Bombay are treated at the out-patient clinics of the Acworth Leprosy Hospital and also at the 9 centres situated throughout Greater Bombay under the Greater Bombay Leprosy Control Scheme. The Corporation bears the expenditure of about 275 permanent beds out of 500 beds and 48 temporary beds at Acworth Leprosy Hospital. Due to repeal of Lepers Act 1898 from 26-1-1984, in Greater Bombay Corporation Area, the total expenditure of all the in-patients is provisionally being borne by Corporation. The Corporation also bears the cost of the out patients clinics at Acworth Leprosy Hospital and 50% cost of the recurring as well as capital expenditure of the Greater Bombay Leprosy Scheme. The Corporation had also sanctioned an *ad hoc* grant of Rs. ten lakhs to meet the expenditure of a new scheme of 'Detection & Control of the Leprosy cases in Greater Bombay' to intensify anti-leprosy work in Bombay.

THE MOBILE HEALTH UNIT : The Mobile Health Unit continued to perform its 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.

53,834 immunization procedures against various communicable diseases were performed both in the Municipal Schools and in the field (Table 12).

In addition to the general health education performed and the mass immunization carried through its units, 276 health drives were carried out when 55,590 persons were immunized against measles, T. A. B., T. A. B. C., T. T., D. T. and Triple, including the administration of Polio vaccine and vit. A orally.

(3) Health Drives and Family Planning Exhibition.**VECTRO CONTROL.**

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

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

Precautions against yellow fever : Campaigns against *Aedes Aegypti* the vector for Yellow Fever and dengue diseases was continued throughout the year. *Aedes Aegypti* breeding was detected on 441 occasions and stegemiya index was 0.014% for the year under reference.

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

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

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

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

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

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

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

CEMETERIES.

There are in all 182 cemeteries in use in Greater Bombay, out of which 28 are Municipal. At the Municipal Cemeteries, amenities are provided by the Corporation and at the private cemeteries, by the private bodies.

ELECTRIC CREMATORIUM.

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

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

MUNICIPAL LABORATORY.

To safeguard public health, samples of various food stuffs and samples of water from different parts of Greater Bombay were examined at the Municipal Laboratory situated at 2nd floor, G/North Ward Office Building, Off Woolen Mill Lane, Dadar, Bombay 28. (Table No. 14).

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

The Municipal Analyst attended different courts in the City and Suburbs as Public Analyst in 11 cases and the other public analysts attended courts in 11 cases.

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

Maintenance of Dhobighat.

Dhobighat at Mahalaxmi is under the control of Public Health Department. In all 709 wash stones are provided to Dhobies for washing linen. Facilities such as water supply, electricity, land for drying clothes and sanitary accommodation have also been provided. The stones are given to Dhobies for washing clothes at a monthly rent of Rs. 60/-.

School Health Services.

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

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

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

Impounding of stray cattles

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

Maternity and Child Welfare.

The Maternity and Child Welfare Services were rendered through 22 Municipal Maternity Homes, 11 Mat. Wards attached to 11 Municipal General Hospitals and 39 Maternity and Child Welfare Centres. The scheduled strength of Maternity Beds was 1470. Then number of deliveries conducted was 72363. 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 antenatal, post-natal, infant and pre-school age child care, follow up work and health education by propogands through posters, leaflets, group-talk, domonstrations and filmshows, etc.

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

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

Family Welfare Planning.

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

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

Health Posts

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

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

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

KASTURBA HOSPITAL FOR INFECTIOUS DISEASES

Dr. (Smt.) S. N. Marathe, M.B.B.S., D.P.H., worked as Medical Superintendent through out the year. Admission and expenditure in Kasturba Hospital is as follows :—

Admission	:—20,528
Expenditure	:—1,65,24,199.05.

Pharmacy Department

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

Immunization Centre

611 persons were immunized against Diphtheria, 1453 against Enteric Fever, 1567 against Cholera.

Ward Laboratories

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

Intensive Care Unit

To render prompt medical treatment, cases in acute condition requiring very prompt and Intensive Care are admitted in Ward No. 11 of the Hospital. The total No. of patients admitted are 568 as against 614 during the previous year.

Paying Beds

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

Teaching

Instructions in Infectious Diseases were given to 83 students including under-graduates of M.B.B.S., Ayurvedic and Homeopathic. Students Nurses, Nurses, Health Visitors, etc. from various institutions in Greater Bombay were also given instructions in Nursing Management of infectious Diseases.

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

MEDICAL RELIEF

Municipal General Hospitals

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

Dispensaries

New cases treated at the 148 dispensaries and 5 Mobile Dispensaries were 13,30,676 and the total attendance was 40,94,726 in 1985.

IMMUNIZATION

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

Measles

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

Maternity and Child Welfare Clinics

2,08,556 new cases were treated at the 39 Maternity and Child Welfare Clinics and total attendance was 6,47,593 during the year 1985.

Municipal Eye Hospital, Kamathipura

The total number of new cases and the total attendance at the out-patient department of this hospital was 27,373 and 86,030 as against 24,192 and 79,428 respectively during the previous year. The number of indoor patients amongst new cases and total attendance was 2,330 and 19,773 respectively, as against 2,360 and 18,419 respectively during the previous year.

Ambulance and Hearse Services

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

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

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

Upgraded Dispensaries

There has been considerable over crowding at the out-patient departments of the Municipal General Hospitals, making it difficult for the medical staff of the Hospitals to pay adequate attention to each patient. The over crowding in the O. P. Ds. is due to attendance of a large number of patients requiring dispensary treatment. With a view to relieving the general hospitals of the heavy load of patients, 64 Municipal General Dispensaries were upgraded.

Integrated Child Development Services Scheme

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

Voluntary Health Services Scheme

This scheme has been introduced by Government of Maharashtra in 1982. The scheme is extended to student volunteers of 11th and 12th standard of science faculty with a view of giving them an opportunity for rendering their services in improving the health conditions of the people of Greater Bombay, to make people more health conscious and also to inculcate in the students, a habit of social service which also makes the students, aware of the various health needs of the people. The students can participate in the scheme during vacation period every year. Each participant has to pay house to house visit for health survey. The overall performance of each students is consider by giving additional marks which helps him for admission to Government Medical, Ayurvedic etc. colleges. The application forms for the scheme can be obtained from Assistant Health Officer, Zone-II, F/South Ward, Municipal Offices, Parel, Bombay-400012.

Expanded Programme on Immunization

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

Multi-Purpose Workers Scheme

Multi-Purpose Workers Scheme has been launched in different parts of India as per recommendation of the Multi-Purpose Workers' Committee appointed by the Government of India.

This scheme is in operation in Greater Bombay Municipal Corporation in all the wards. Since however, the work which was being done under the M. P. W. Scheme in all the wards has now been entrusted to Out Reach Services Scheme financed with 100% grant in aid by Central Govt. by creating Health Posts, the present M. P. Ws. are involved in other scheme in Greater Bombay for Control of Communicable Diseases.

Rabies

Anti-Rabic Treatment is given at 15 Municipal Hospitals, 1 Government Hospital and 14 Municipal Dispensaries, (list shown in the Annual Civic Health Bulletin) pet dogs are also immunized against rabies at nine dog immunization centre list of which is shown in the Annual Health Bulletin of the Public Health Department. The stray dogs are seized and destroyed by electrocution method if not retrieved within three days. Pet dogs are licensed by the dog licensing establishment of the Corporation.

Control on Certain Trades and Cinema and Drama Theatres

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

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

Health Education

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

REGISTRATION OF NURSING HOMES

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

LICENSING OF NURSES ESTABLISHMENT

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

INTERNATIONAL HEALTH CERTIFICATE

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

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

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

Table — 1

	Notifiable Diseases.	Attacks.	Deaths.
1.	Plague.	—	—
2.	Cholera.	—	—
3.	Small Pox.	—	—
4.	Dephtheria.	47	15
5.	Enteric Fever.	253	40
6.	Infectious Hepatitis.	309	274
7.	Tuberculosis.	27947	8031
8.	Meningococcal Infection.	—	—
9.	Typhus.	—	—
10.	Puerperal Fever.	—	—
11.	Anterior Poliomyelitis.	833	146
12.	Influenza.	—	—
13.	Virus Encephalitis.	—	—
14.	Scarlet Fever.	—	—
15.	Yellow Fever.	—	—
16.	Relapsing Fever.	—	—
17.	Aretrive Spinal Fever.	—	—
18.	Leprosy.	3491	38
19.	Dangue Fever.	—	—

Table 1 (Cont.)

	Immunization.	Total during 1985.
Diphth. Tetanus.	1st dose.	47113
	2nd dose.	54085
	Booster dose	6010
Triple.	1st dose	1,23,974
	2nd dose	94,871
	3rd dose	81632
	Booster dose	56,901
Polio	1st dose	1,25,310
	2nd dose	1,08,401
	3rd dose	83,944
	Booster dose	59,599
T. A. B.	—	1,16,323
Cholera.	—	2,11,363
Small Pox	Primary	—
	Re-vaccination.	—
Tetanus Toxide.	1st dose	3,82,931
	2nd dose	90,235
	3rd dose	35,135
	Booster dose	18,717
B. C. G. Vaccination		95,164
Measles		15,536

TABLE NO. 2.

Deaths and Death Rates from Epidemic and Principal Causes (1985).

Cause of death.	Average of Year 1980-84		1984		1985	
	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate
Small Pox.	—	—	—	—	—	—
Measles.	166	0.0	483	0.0	423	0.0
Plague.	—	—	—	—	—	—
Enteric Fever.	40	0.0	45	0.0	40	0.0
Influenza.	—	—	—	—	—	—
Cholera.	—	—	—	—	—	—
Malarial Fever.	—	—	—	—	—	—
Dysentery.	97	0.0	—	—	—	—
Diphtheria.	13	0.0	16	0.0	15	0.0
OTHER PRINCIPAL CAUSES.						
Tuberculosis.	8404	0.9	8690	0.9	8031	0.8
Meningococcal Infection.	—	—	—	—	—	—
Diseases of Nervous system.	1111	0.1	661	0.1	1496	0.2
Diseases of Respiratory system,	11005	1.3	11291	1.2	10480	1.1
Dysentery, Diarrhoea & Enteritis.	3192	0.4	3447	0.4	3974	0.4
Puerperal State.	75	0.0	60	0.0	179	0.0
Congenital Debility & Early						
Infancy.	6013	0.7	4588	0.5	4001	0.4
Senility without mention of						
psychoſis.	4137	0.5	4480	0.5	2069	0.2
Violence.	5748	0.7	4912	0.5	5080	0.5
Other causes.	30720	3.5	33885	3.6	37371	3.9
Total :—	70791	8.1	72558	7.8	73159	7.6

TABLE NO. 3.

Deaths among infants from Principal causes by age period 1985.

Age Period	Small-pox	Measles	Malarial fever	Diarrhoea Dysentery & Enteritis	Congenital malformation & disease at early infancy	Diseases of respiratory system	Polio- myelitis	Other causes	All cases	Percentage to the total of infant death
Upto 7 days.	—	2	—	69	3466	489	1	2013	6020	45.3
1 to 4 weeks.	—	—	—	210	376	329	—	750	1665	12.5
Total under 4 weeks.	—	2	—	279	3842	798	1	2763	7685	57.8
4 weeks to 6 months.	—	17	—	838	128	1134	10	1307	3434	25.9
6 months to 12 months.	—	70	—	618	31	604	51	789	2163	16.3
Total :—	—	89	—	1735	4001	2536	62	4859	13282	100.0

TABLE NO. 4.
Infant Mortality from Principal Causes (1980 — 1985)

Cause of Death	1980	1981	1982	1983	1984	1980 to 1984 (A)	1985 (B)	Difference between (A) & (B)
Poliomyelitis.	35	42	42	17	24	32	62	+ 30
Small pox.	—	—	—	—	—	—	—	—
Measles.	17	30	1	17	103	34	89	+ 55
Malarial Fever.	—	—	—	—	—	—	—	—
Diarrhoea & Dysentery and Enteritis.	1792	1639	1315	1449	1531	1545	1735	+ 190
Congenital malformation disease of early infancy.	5933	6557	7155	5832	4588	6013	4001	— 2012
Disease of respiratory System.	2792	2944	2893	3148	2777	2911	2536	— 375
All Causes.	13633	13449	12945	13558	13061	13329	13282	— 47

TABLE NO. 5
Cases of Notifiable Diseases reported in 1985.

Wards	Cho- lera	Small- pox	Pla- gue	Ente- ric Fever	Diph- teria	Typh- us	Puen- peral Fever	Tuber- culosis	Relap- sing Fever	Influ- enza	Spi- nal Fever	Acute interior Polio Myelitis	Scar- let Fever	Infec- tive Hepa- titis	Laprosy	Total
A	—	—	—	3	—	—	151	—	—	—	7	—	12	19	192	
B	—	—	—	17	1	—	965	—	—	—	5	—	16	12	1016	
C	—	—	—	6	1	—	2274	—	—	—	11	—	3	23	2318	
D	—	—	—	9	2	—	1311	—	—	—	13	—	17	71	1423	
E	—	—	—	91	9	—	5486	—	—	—	47	—	66	123	5822	
F/N	—	—	—	18	4	—	4535	—	—	—	44	—	7	138	4746	
F/S	—	—	—	5	1	—	585	—	—	—	44	—	13	327	975	
G/N	—	—	—	65	1	—	1291	—	—	—	41	—	27	144	1569	
G/S	—	—	—	13	3	—	5141	—	—	—	85	—	14	73	5329	
H/E	—	—	—	1	—	—	109	—	—	—	36	—	11	110	267	
H/W	—	—	—	3	1	—	2029	—	—	—	22	—	8	41	2104	
K/W	—	—	—	2	1	—	157	—	—	—	16	—	7	150	336	
K/E	—	—	—	1	4	—	442	—	—	—	57	—	10	303	814	
L	—	—	—	4	2	—	895	—	—	—	38	—	10	143	1092	
M	—	—	—	1	2	—	527	—	—	—	88	—	13	131	762	
N	—	—	—	1	3	—	260	—	—	—	36	—	14	104	418	
P/N	—	—	—	—	—	—	354	—	—	—	28	—	7	293	682	
P/S	—	—	—	3	1	—	439	—	—	—	20	—	5	—	468	
R	—	—	—	1	1	—	507	—	—	—	48	—	8	225	790	
S	—	—	—	—	—	—	396	—	—	—	15	—	5	—	416	
T	—	—	—	7	10	—	93	—	—	—	14	—	1	872	297	
Imported cases	—	—	—	7	10	—	—	—	—	—	118	—	35	872	1042	
Total	—	—	—	251	47	—	27947	—	—	—	833	—	309	3491	32878	

TABLE No. 6
NATIONAL MALARIA ERADICATION PROGRAMME

	No. of fever cases detected.	No. of persons given treatment.	No. of Blood Smears			Found + vas	Parasite Species				Persons treated		Epidemiological Classification					
			Collected.	Examined.	Broken.		V	F	M	Mixed	Completely	Partially	Imp.	Ind.	Relapsed	Indige nous	Not treated	
(1) ACTIVE																		
CITY	5167	5167	5167	5167	—	28	28	—	—	—	23	1	9	—	—	18	1	
SUB.	33275	33275	33275	33275	—	94	86	8	—	—	82	2	25	—	—	61	8	
E. Sub.	25680	25680	25680	25680	—	12	12	—	—	—	9	1	10	—	—	2	—	
	64122	64122	64122	64122	—	134	126	8	—	—	114	4	44	—	—	81	9	
(2) PASSIVE																		
CITY	235131	235131	235131	235131	—	764	691	64	—	9	574	9	576	—	—	104	84	
SUB.	86879	86879	86879	86879	—	262	233	29	—	—	195	6	185	—	—	36	41	
E. SUB.	82469	82469	82469	82469	—	168	155	11	—	2	120	4	120	2	—	17	29	
	404479	404479	404479	404479	—	1194	1079	104	—	11	889	19	881	2	—	157	154	
(3) MASS																		
CITY	34212	34212	34212	34212	—	33	28	5	—	—	29	2	16	—	—	16	1	
SUB.	19586	19586	19586	19586	—	5	4	1	—	—	4	1	3	—	—	1	1	
E. SUB.	29059	29059	29059	29059	—	5	4	1	—	—	5	—	5	—	—	—	—	
TOTAL :—	82857	82857	82857	82857	—	43	36	7	—	—	38	3	24	—	—	17	2	

TABLE - 7

Ward-wise Malaria Positives cases with species and classification for the year 1985.

Ward	No. of + ve cases	Malaria Parasites					Classification			
		V	F	M	Mixed	Imp.	Indig- enous	Untra- ced	Unclas- sified	
A	137	130	6	—	1	84	44	2	7	
B	40	33	6	—	1	35	1	1	3	
C	22	18	3	—	1	15	—	1	6	
D	102	90	9	—	3	81	10	—	11	
E	179	168	11	—	—	131	26	1	21	
F	176	163	12	—	1	126	34	4	12	
G	167	142	23	—	2	127	23	5	12	
H	74	65	9	—	—	52	8	2	12	
K	82	76	6	—	—	51	16	4	11	
L	46	42	4	—	—	39	4	2	1	
M	45	41	2	—	2	25	7	10	3	
N	40	37	3	—	—	27	6	5	2	
P	147	138	9	—	—	71	64	2	10	
R	61	48	13	—	—	42	9	4	6	
S	28	28	—	—	—	24	1	2	1	
T	25	22	3	—	—	19	2	4	—	
Total	1371	1241	119	—	11	949	255	49	118	

TABLE NO. 8
Admissions deaths and average number of patients at Kasturba Hospital,
Sane Guruji Marg, Bombay 400 011.

Months	Chicken Pox	Mesales	Mumps	Anterior Polio myelitis	Infective Hepatitis	Influenza	Cholera	Diarrhoea & Vomitting due to Gastro enteritis	Plague	Diphtheria	Enteric Fever	C.S. Fever	Typhus Fever	Erysipelas	B. Dysentery	A. Dysentery	Whooping Cough	Other diseases	Total	Discharge	Death	Daily Average No. of patients.
Jan.	223	149	20	14	36	—	—	173	—	7	1	—	—	—	—	—	15	646	1284	1245	39	304
Feb.	419	147	36	18	66	—	—	164	—	1	5	—	—	—	—	—	1	578	1435	1394	41	359
Mar.	611	129	72	15	47	—	—	337	—	3	5	6	—	—	—	—	8	696	1929	1884	45	422
Apr.	336	95	68	18	80	—	—	402	—	3	5	9	—	—	—	—	2	720	1738	1683	55	388
May	180	62	38	26	58	—	—	497	—	3	12	2	—	—	1	—	5	589	1473	1438	35	318
June	54	38	22	30	22	—	—	748	—	1	14	1	—	—	2	—	3	855	1790	1740	50	364
July	17	30	11	112	47	—	—	1278	—	3	45	—	—	—	—	—	10	1338	2891	2809	82	521
Aug.	12	20	14	171	40	—	—	576	—	8	40	—	—	—	1	—	5	1265	2152	2056	96	503
Sep.	33	18	21	155	73	—	—	327	—	6	32	4	—	—	—	—	12	913	1594	1522	72	439
Oct.	34	31	9	144	63	—	—	298	—	2	21	1	—	—	—	—	5	977	1585	1502	83	372
Nov.	17	28	25	51	37	—	—	284	—	4	9	1	—	—	—	—	9	858	1323	1254	69	327
Dec.	164	42	13	79	89	—	—	253	—	6	64	6	—	—	—	—	6	611	1334	1283	51	340
Total :-	2100	789	349	833	658	—	—	5337	—	47	263	30	—	—	4	—	81	10046	20528	19810	718	388

TABLE NO. 9
Admission from 1982 to 1985 at the Kasturba Hospital for Infectious Diseases.

Year	Chicken Pox	Measles	Mumps	C. S. Fever	Diphtheria	Influenza	Whooping Fever	Enteric Fever	B. Dysentery	A. Dysentery	Cholera	Plague	Typhus Fever	Diarrhoea & Vomitting due to Gastro-Enteritis	Aterior Poliomyelitis	Infective Hepatitis	Other diseases	Total	Death	Discharge	Daily average No. of patient
1982	2033	798	636	—	76	—	13	187	34	164	—	—	—	2684	860	1315	8357	17157	556	16435	382
1983	2143	766	195	—	53	—	8	172	147	194	—	—	—	4031	714	806	8513	17742	552	17176	376
1984	2647	888	296	—	53	—	7	116	257	241	—	—	—	3448	643	816	8440	17852	519	17333	367
1985	2100	789	349	30	47	—	1	253	4	81	—	—	—	5337	833	658	10046	20528	718	19810	388

TABLE NO. 10

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

Particulars.	1982	1983	1984	1985
	Rs.	Rs.	Rs.	Rs.
Drug, Dressings & Disinfectants.	24.36	27.02	39.97	39.41
Diet.	51.52	55.31	63.70	62.16
Clothing.	13.58	0.84	26.32	14.77
Stores.	17.99	24.29	11.06	19.11
	107.45	107.66	141.05	135.45

TABLE NO. 11

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

Particulars.	Cost per Indoor patient.	Infectious Hepatitis Out patients Department.
	Rs.	Rs.
Diet	8.88	—
Stores and Linen	2.99	1.00
Drugs, Dressing & Disinfectants.	5.63	3.90
Lighting, Miscellaneous.	4.42	0.25
Repairs.	7.20	—
Establishment.	83.65	5.47
	112.77	10.62

TABLE — 12

Immunization done by Mobile Health Unit in 1985 (In field).

Immunization.	In Field.	Total
(1) D. T. 1st dose.	553	553
D. T. 2nd dose.	627	627
Triple 1st dose.	3063	3063
Triple 2nd dose.	1852	1852
Triple 3rd dose.	1686	1686
Triple Booster dose.	3713	3713
Polio 1st dose.	4121	4121
2nd dose.	1873	1873
3rd dose.	1714	1714
Booster dose.	4119	4119
T. A. B.	476	476
Cholera.	8020	8020
T. T. 1st dose.	1921	1921
2nd dose.	296	296
Measles.	3944	3944
	37978	37978
(2) Health Drives.	276	
Total No. of patients.	55590	
No. of patients days of treatment.	98429	

T A B L E No. 13

Work done at the Municipal Hospitals under the Executive Health Officer during the year 1985.

Name of Hospital	K. Bhabha Hospital, Bandra.		Vishnu Prasad Nandraj Desai Gen. Hospital Santacruz (E).		Dr. R. N. Cooper Hospital, Juhu.		Khan Bhadur H. K. Bhabha Hospital, Kurla.		Diwalibai Mohan-lal Mehta (Maa) Hospital, Chembur Vora		Seth V. C. Gandhi & M. A. Memorial Gen. Hosp. Mulund (East), Ghatkopar.		Shri M. W. Desai Memorial Gen. Hosp. Mulund (East).		Shri Harilal Bhagwati Hospital, Borivli.		M. T. Agarwal Gen. Hospital Mulund (West).		Municipal Gen. Hospital Mulund (East).		Sant Muktabai General Hospital, Nagar Ghatkopar.		Municipal Centenary Gen. Hospital, Govandi.		Municipal Centenary Gen. Hospital, Kandivli (West).				
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Open Ward	32	23	60	31	20	76	35	35	33	25	20	25	20	25	20	20	25	20	25	20	25	20	25	20	25	20	25	20	
General Male Ward	46	45	195	60	19	42	35	62	40	25	20	25	20	25	20	20	25	20	25	20	25	20	25	20	25	20	25	20	
General Female Ward	18	45	175	30	19	37	24	38	37	26	20	26	20	26	20	20	26	20	26	20	26	20	26	20	26	20	26	20	
Community Ward	70	30	90	75	—	110	28	50	—	20	40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Special Day Ward	20	40	—	120	12	60	23	25	18	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Quarantine	18	4	—	—	4	236	—	90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Total No. of Beds	204	187	520	306	74	561	138	300	128	105	100	130	100																
Attended Cases	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	
																													11,006
Out-patient	5030	6	5264	18	20456	95	4667	13	2181	7	13997	46	1104	4	14033	55	3881	13	854	8	521	2	2513	9	2114	7			
New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance	New Cases	Total Attendance		
																												1,44,004	581972
In-patients remained on 31-12-84.		139		111		493		184		52		465		81		189		90		64		42		47		87			
Admitted in 1985.		11,708		10,632		29,995		12,929		3859		30,254		8,407		14,712		4,508		4,654		5,779		5,614		6,143			
Total No. of Patients treated in 1985.		11,077		10,743		1,89,491		75,101		3626		9,974		1,64,412		77,420		2,60,297		1,03,090		31,187		32,766		1,95,881			
Discharged cured.		11,077		10,309		27,802		12,734		3626		9,974		7,801		13,099		4,175		3,525		5,683		5,414		5,952			
Otherwise		—		—		250		—		131		19,855		90		847		127		1,025		53		—		26			
Died.		309		305		1,943		327		101		1,527		253		847		208		134		61		153		205			
In-patients remaining on 31-12-85.		143		129		534		196		45		463		107		235		88		46		71		111		67			
Daily Average (Out-patient).		1,514		845		450		1,309		1,026		464		456		686		732		338		118		392		653			
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.	Total cost	Cost per pt.	
																													10255000

TABLE — 14

Examination of Food and water samples during the year 1985.

I — Chemical Examination :—

(1) Food	
(i) Prevention of Food Adulteration Act.	3819
(ii) Other than the P. F. A. Act.	5624
(2) Water Samples.	7875
(3) Controller of stores.	270
(4) Hospitals.	61
(5) Miscellaneous.	370
	Total :— 18019

II — Bacteriological Examination.

(1) Water.	
(i) from city, suburbs and extended suburbs.	26620
(ii) from B. P. T. Area.	424
(iii) Private.	722
(2) Disinfectants.	—
(3) Foods.	173
(4) Ice.	18
(5) Miscellaneous.	—
	Total :— 27957

TABLE NO. 15

Ward wise confinements in Institutions in Greater Bombay doing Maternity Work during 1985.

Ward	A	B	C	D	E	F/S	F/N	G/S	G/N	H/W	H/E	K/W	K/E	L	M	N	P/S	P/N	R	S	T	TOTAL
1. No. of Institution.	19	6	9	61	19	12	29	18	31	37	14	39	44	10	24	23	18	37	42	18	21	531
2. Total No. of beds.	2488	242	285	2224	3973	2691	1447	987	453	709	313	1484	1206	289	637	3449	252	685	1495	485	988	26762
3. No. of Mat. Beds.	518	132	98	853	349	479	388	362	299	412	154	522	496	152	265	451	202	383	794	283	336	7928
4. Live Births.	8354	3237	1786	12547	10771	16194	14029	8171	5765	10611	6423	13344	11608	7495	13099	18059	8613	10548	16688	8179	9276	212797
5. Still Births.	205	61	29	304	298	445	437	125	111	189	76	356	229	127	278	891	163	180	330	160	245	5039
6. Total Confinements	8550	3298	1815	12844	11069	16639	14466	8270	5870	10800	6499	13700	11835	7621	13377	18750	6776	10728	17018	8339	9521	217735
	(9T)			(7T)				(26T)	(26 T)	(6 T)			(2 T)	(1 T)								(51 T)
7. Deaths among Mothers.	8	—	—	—	37	20	35	—	—	1	—	20	2	—	1	10	—	3	14	—	5	156
8. B. C. G. Vaccination.	7904	615	703	3991	10338	10158	9016	6928	2011	15575	5613	11689	2626	7873	9243	9320	5361	8387	16407	7167	6618	156443

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

HOSPITAL :	Rs.
— Expenditure :	
— On In-Patients.	6,10,67,101
— On-out-Patients.	2,10,10,457
b Average cost per : —	
In-patients per day.	113.05
In-patient admission.	1,115.24
Out-patient attendance.	19.17
Out-patient admission.	72.93
— Results : —	
A —	
1. Schedule Beds Strength.	1,615
2. Daily Average —In-patients in Wards.	1,599
3. Admission including those brought over from the previous year 1984.	56,330
4. Patients discharged.	50,348
(i) As cured.	42,278
(ii) Otherwise.	8,070
(iii) Expired.	4,535
(iv) Remained in the hospital on the last day of the year 1985.	1,447
5. Average stay of In-patients(in days).	11 50
B —	
1. New Out-patients attendance	2,84,295
2. Daily average of New Out-patients.	932
3. Out-patients New & Old.	9,41,747
4. Daily average of Out-Patient attendance.	3,087
5. Casualty cases (Medico-legal).	21,412
C — Operations :	
1. Major.	17,769
2. Minor.	32,218
D — Confinements :	
1. Booked cases.	3,568
2. Emergency cases.	180
3. Normal.	3,041
4. Abnormal.	707
5. Neonatal & Maternal Deaths :	
(i) Maternal Deaths.	13
(ii) Neonatal Deaths.	51
(iii) Still Births.	165
(iv) Premature live Born Infants.	85
III — Specialised Treatments :	
1. Artificial Kidney Departments :	
(i) Peritoneal Dialysis.	192
(ii) Haemodialysis.	2,188
2. I. C. C. U. Ward :	
(i) Number of Admissions.	919
(ii) Number of Discharges.	606
3. Open Heart Surgery.	419
4. Other Operations (Heart).	419
5. Neuro-surgery :	
Operations.	910
6. Sterilisations :	
Male.	229
Female.	1,181
IV Radiology :	
1. General Radiology.	94,079
2. Vascular Radiology.	6,459
3. Neuro-Surgery.	1,499
4. Ortnopaedic.	33,302

V	Blood Bank :	
	1. Number of Blood samples collected from :—	
	(i) Voluntary Donors.	9,754
	(ii) Relative Donors.	6,319
	(iii) Indoor Voluntary Donors.	523
	(iv) Others Hospitals.	1,672
	2. Number of bottles supplied.	18,744
	3. Total Number of grouping & X—matching.	21,007
VI	School Clinic.	
	1. School Children treated :	
	1. New.	2,100
	2. Old.	10,954
	3. Referred.	357
	2. Total expenditure on Clinic. (Rs.)	2,37,000
VII	Physio Therapy :	
	(I) Attendance at the Centre :	
	(i) Out-patients.	6,485
	(ii) In-patients.	18,637
	(II) Treatment given to :	
	Out-patients.	84,103
	In-patients.	2,05,449
	(III) Students admitted during the year.	40
	(IV) Students in the school.	109
	(V) Students graduated during the year.	37
VIII	Occupational Therapy :	
	(A) Patients treated at the Centre.	2,09,952
	(B) Treatment given to —	
	(i) Students admitted in the School during the year.	40
	(ii) Number of students in the school.	112
	(iii) Students graduate during the year.	27
	COLLEGE :	
	(i) Total expenditure on Hostel.	Rs. 2,73,539.00
	(ii) Revenue from Tution Fees, Hostel Rent.	Rs. 6,55,531.85
	(iii) Revenue from Post-Graduate fees.	Rs. 2,59,925.00

I—Students :

	Male	Female	Total.
Under-graduate Students :			
Ist M. B. B. S.	96	104	200
Ist M. B. B. S. (Casual)	34	18	52
IInd M. B. B. S.	184	158	342
IIIrd M. B. B. S.	117	70	187
IIIrd M. B. B. S. (Casual).	26	06	32
Intern.	108	65	173
B. Sc. (O. T.).	13	98	111
B. Sc. (P. T.).	9	110	119
Pest-graduate students including Research.	409	301	710
Grand Total	996	930	1926

B—Occupation of parents or Guardians :

(i) Service.	102
(ii) Medical Profession.	27
(iii) Legal Profession.	9
(iv) Misc. Occupation.	40
(v) Engineering.	22

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

Dean — Dr. G. B. Parulakar, M. S., FACS, F.A.M.S, F.A.S.C.

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

LIBRARY : This is the Biggest Library of the Municipal Corporation.

This has open Access System. During the year April—1985 to March 1986, 484 books approx. Rs. 90,000/— were added to the collection. During 1985 Subscription to 336 Titles of the Journals costing App. Rs. 4,56,366.00 has been paid. The library received British Books from British Council worth 6000. This library has purchased one Xerox Machine for the use of the Library uses and the Staff of G. S. M. C. & K. E. M. Hospital.

OCCUPATIONAL THERAPY TRAINING SCHOOL AND CENTRE :

Occupational Therapy Training School & Centre continued to progress satisfactorily inspite of severe problems of space, equipments & staff.

Attendance of patients at Centre.	15,568
Treatments given to the patients.	2,09,952
Students admitted for M. Sc. O. T.	5
Students passed M. Sc. O. T.	4
No. of students in the school.	112
No. of students admitted in the School.	40
No. of students graduated during the year.	27

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

Weaving Activities : Weaving & Winding work were given to the patients. Patients produced handloom products like bed-sheets, towels, hankees, rug mats etc. This year the sale money amounted to Rs. 9811.75/— which was credited to the P. B. C. Fund of the K. E. M. Hospital.

Printing Activities :— During the year Rs. 1,21,041/— worth printing work was done & amount collected Rs. 1,07,395/— which was credited to P. B. C. Fund of the K. E. M. Hospital.

Splints : Total 998 splints worth of Rs. 18,774.50/- were prepared and given to the patients and amount recovered for these were Rs. 18,265/— which was credited to the P. B. C. Fund.

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE.

HEALTH EDUCATION :

1) Groups Meeting.	70
2) Health films in wards & O. P. D.	144
3) Posters.	192
4) Person to person Health talks.	576
5) Interns trained.	156

NAIGAON B. D. D. CHAWLS : IMMUNIZATION :

OPV	710
DPT	575
DT	135
Measles.	215
Oral Vit A Supplementation.	1361
No. of School going children examined.	1020
No. of children treated.	551
No. of children referred to school going.	59
No. of Balwadi children examined.	300
No. of children examined in under six clinic.	775

Sr. No.	Activities.	Total No. of Benefishries.
1.	Gynaecological check up and Treatment.	300
2.	Under graduate students Trained.	360
3.	Children Treated in Under Fives Clinic.	500
4.	Complete Immunization.	500
5.	Milk powder & Biscuit distribution.	60
6.	Pts. treated in Naigaon community.	100
7.	Health Education given to Mother.	500
8.	Population surveyed to detect Heandicapped.	3360
9.	Rehabilitative services given to Handicapped.	60

MALVANI HEALTH CENTRE :

1.	Curative services. (Total Patients)	28,224
2.	Presentive Services :	
	OPV.	8,673
	D. P. T.	3,155
	Measles.	1,683
	B. C. G.	897
3.	Mother craft : Total patients.	1,609
	T. B. Total patients.	1,151
	Under fives clinic Patient seen.	4,100
	Leprosy.	706
4.	Rehabilitative services.	2,870
5.	CAMPS :	
	Dental.	853
	Gync.	197
	Paediatric.	107
	Ophthalmic.	491
	F. P.	368
	School Health services :	
	Periodic Health check up.	3,789
	Mid day Meal (School).	3,529

DEPARTMENT OF ANAESTHESIOLOGY :

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

In respiratory care ward clinically ill patients were treated.

Anaesthesia O. P. D. continued to works moothly. Facilities to do routine investigations like Hb, Urine were provided. Pain clinic and Acupuncture clinic was started. we have also made the begining in providing labour analgesia.

Workshop on Paediatric Anaesthesia and Intensive care was organised in September -1985. Anaesthetists from Maharashtra, Madhy Pradesh and Gujarat attended the Workshop.

34th Annual conference of Indian Society was held at our Institution.

At this conference 6 papers were presented by staff members. Oration was delivered by one of the Professor, Two Readers participated in the continuing medical education programme of the conference.

Department has been actively helping in their blood collection drive.

Teaching programme continued throughout the year. This is reflected in excellent results at D. A. & M. D. examination. Our students stood first in the M. D. examination held in November -1985.

DEPARTMENT OF BIOCHEMISTRY & NUTRITION :

This department is concerned with training the students for 1st M. B. B. S. M. Sc. (by papers), M. Sc. (by research) and Ph. D.

1st M. B. B. S.	Appeared	Passed	Percentages.
April—1985.	17	4	23.53%
November—1985.	202	147	82% Dist. 15
M. Sc. Part—I.			
May/June—1985.	12	12	100%
October/November—1985.	—	—	—
M. Sc. Part—II			
May/June—1985.	10	10	100%
		1st Class 5 IInd Class 4 Pass Class 1	
October/November—1985.	2	2	100%

M. Sc. by research :

Five students were awarded M. Sc. degree and two students are working for their M. Sc. degree. One student has submitted her synopsis for Ph. D. Degree.

ARTIST SECTION :

1. Patients Photographs.	5,432
2. X-rays exposed.	4,898
3. Specimen & Photomicrographs exposed.	1,360
4. Book copping etc.	13,711
5. Preparing of graphs, Charts, drawings etc.	3,632
6. Functions Photographs.	76
7. Nurses Photographs.	118
8. Slides prepared.	21,229
9. Prints prepared.	8,360

MEDICAL RECORD DEPARTMENT.

The scheduled bed strength during the year was 1615. There was constant over crowding in the hospital, particularly in the children wards, and in the female surgical & Medical ward and Orthopaedic wards, even after strict scrutiny and restriction on routine admissions.

Death Classified : Out of 4535 deaths 996 died within 24 hours of admission, 692 after 24 hours but within 72 hours of admission and 2847 after 3 days or more from the date of admission. The figures are inclusive of 197 still births, Prematurity and Neonatal deaths. Deaths rate was 8.28 as against 8.50 during the last year.

Confinement and Abortions : The total number of confinements was 3748 and that Abortion was 388 (including M. T. P. also).

Medico—Legal Cases : Resident Medical Officers attended the various courts for giving evidence in 380 Medico-Legal cases, as follows :—

Labour Court : 9, **Lower Court :** 192, **Session Court :** 61, **M. A. C. T. :** 106 **Juvelian Court :** 7, **Explanad Court :** 5.

98 P. M. Notes were filled in the Coroner's Court and 183 P. M. Notes were given to Police Stations.

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

I) Undertreatment.	3,280
II) Opinion & Fitness.	7,946
III) Compensations.	152
IV) Insurance.	148
V) Injury.	162
IV) Injury to Police (Free).	1615
VII) Municipal Staff.	3,482

Anti-Rabic Vaccination given during the year.

New	Old	Total.
7,435	21,989	29,424.

SOCIAL SERVICE DEPARTMENT :

The Social Service Department of K. E. M. Hospital was started in 1954. Now there are fifteen 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 also in the Orth. Centre and in the Main Building with the help of the donations received.
- 2) The teaching programme for bed ridden children is continued this year also. Full time teacher is under the supervision of Mrs. A. P. Shah.
- 3) Free food to Indoor patients relatives, milk powder, old cloths to patient and their relatives given through Sanjivani. Besides this ration given once a month to poor patients and their families through Hindu vishwa Parishad. Various charitable organizations helped out patients in the form of medicines, appliances, train fares, foam mattresses, fruits, biscuits, cloths, etc.
- 4) Entertainment programmes arranged in various wards such as in C. V. T. C., Ortho. Centre, Plastic Surgery Ward, and Wd. X. Diwali function was arranged for Ortho. Centre and Christmas function for Ortho. Centre and Wd I, II, III.
- 5) Group sessions are conducted with patients and their relatives in wards and in O. P. D. Group sessions are conducted for Epilepsy patients, group meeting for the parents of children of congenital heart disease, group meeting were arranged for the Open heart surgery patients, group work also conducted for paraplegic patients relatives.
- 6) Diet demonstration arranged in Wd. I and XIV through M-inistry of Agriculture and irrigation, Deptt. of food.
- 7) Students from Nirmala Niketan School of Social work and Tata Institute of Social Sciences were supervised for field work by Mrs. Goswami, Mrs. Javeri and Miss Menon. N. S. S. students were supervised by Mrs. A. P. Shah. Miss Gandhi supervised students of Villa Theresa School who were placed for social help.
- 8) Lectures were given to O. T., P. T. students by Mrs. Goswami, Mrs. Javeri a lecture to students of Tata Institute of Social science on "Psycho Social aspencets of illness, care and rehabilitation of Cardiac patients. Miss Menon also gave a lecture to students at Tata Institute of social sciences on Epilepay with slide show.
- 9) Mrs. Javeri was awarded Best Medico Social Worker's award at the Diamond Jubilee Celebration function.
- 10) A function of falicitating donors for open heart surgery was arranged by Mrs. Javeri.
- 11) Mrs. Goswami helped one patient to start a licenced Tea-Snack stall.
- 12) Mrs. Goswami is on the managing committee of Paraplegia Foundations Health Forum. A sneha sammelan for paraplegics of all over Bombay was organised.
- 13) Mrs. Goswami represented K. E. M. Hospital at Fancy dress competition held by children's Ortho. Hospital for Physically handicapped patients.
- 14) Mrs. Goswami's idea of converting air beds into water beds for paraplegics started in 1980 has continued oecause of the good results in patients with bed sores.
- 15) Mrs. Goswami participated and represented K. E. M. Hospital at the Golden Jubilee Workshop of Tata Institute of Social sciences in December 1985.
- 16) Mrs. Goswami arranged public hones for the handicapped patients at various sites. She also participaated in paraplegic foundation sports along with K. E. M. Hospital patients. She was also involved in organising the workshop on the handicapped youth and sexuality as resouree person and convenor for the orthopaedically handicapped group representing K. E. M. Hospital. This work shop was arranged by the family planning Association of India.

The old patients came regularly to social workers for follow up services like collecting drugs, case work, referral services to various social service organisations, either for legal aid, employment, school admissions to claim compensation, etc.

The total number of new cases referred to the social service Department is 5216. These cases are classified according to the different types of services rendered.

I) Material aid (medicines, appliances, equipment, for heart surgery, Milk powder, clothes etc.).	:	2,768
II) Case work.	:	334
III) Discharging a pt. from the hospital when there is a problem.	:	85
IV) Rehabilitation.	:	370
V) Social Data.	:	745
VI) Referral to other agencies.	:	218
VII) Families of T. B. patients sent for screening.	:	311
VIII) Follow up.	:	385
Total :		5216

SETH DHURMAL BAJAJ ORTHOPAEDIC CENTRE AND RESEARCH INSTITUTE.

The department has been functioning with six units and is headed by Dr. R. S. Dhir Professor of Orthopaedic Surgery. The six units are head by Dr. R. S. Dhir, full time Professor, Dr. L. N. Vora, and Dr. A. V. Bavadekar, both senior Honorary professor, and Dr. M. N. Shahane dr. S. K. Bhandare and Dr. C. G. Pradhan, all senior Associate Honorary Professors.

Orthopaedic teaching for undergraduate students has been streamlined according to the new curriculum advocated by M. C. I. Regular tutorial classes have been introduced in addition to regular lectures and clinical teaching to encourage an active involvement of students in teaching programmes. Starting November 1984, orthopaedics forms a separate section of the first paper of General Surgery in the final M. B. B. S. examination held by Bombay University. Post-graduate teaching has also improved qualitatively. regular weekly clinical meeting has shown good response and senior orthopaedic surgeons from other hospitals are also participating in it, actively. monthly seminars are being conducted on the topics of general interest and on recent development in the field. The postgraduate students under the Chairmanship of senior teachers are made to participate in these seminars regularly. Several guest lectures were arranged by eminent teachers of national and international repute in the field.

There has been considerable improvement in patient care in recent years. Department has received a much awaited new portable image intensifier with memory to replace its old machine which has become inoperable for last couple of years. Fracture service is going to get a further boost with the commissioning of new multistoreyed building in 1986. High calibre surgery like Total Hip Replacement, Harrington Instrumentation surgery for scoliotic deformity, Radical excision of malignant bone tumour with reconstruction, and anterior clearance of T. B. spine have become routine forms of surgery. Arthroscopy procedures introduced has improved the management of knee derangements. Injured ligaments of knee in sportamen is being reconstructed to help sportsmen to continue with their sporting activities. Harrington Rod fixation in spinal injuries has become a standard form of treatment.

SYMPOSIUM :

A Symposium on 'Hip Disorders in Children' was organised as a part of the Diamond Jubelle Celebration of Seth G. S. M. College and K. E. M. Hospital on 26th & 27th of October 1985. Senior teachers and consultants from Bombay and other States graced the occasion. Prof. Robert B. Duthie, Professor of Orthopaedic Surgery from nuffield (Oxford University) also took part in the part in the symposium. There was an overwhelming response for this event from all parts of country, with more than 150 delegates.

GUEST LECTURES :

- 1) Prof. Robert B. Duthie-Baliga Memorial Oration-Oct. 85. "Haemo-philia in surgery" —problems and management"
- (2) Prof. S. M. Tuli-Director, Institute of Medical Sciences Banaras Hindu University, Varanasi-Jan. 1986— "Recent Trends in Skeletal tuberculosis " and "Osteoclastoma resection and reconstruction."

CLINICS PATHOLOGICAL CONFERENCE :

This was organized by the combined efforts of the orthopaedic and Pathology Department with a view to develop a better understanding of many diagnostic problems. This has evoked a good response from the staff of Orthopaedic and Pathology Department of this as well as outside institutions. This is held once a month on the last Thursday of every month.

The Department successfully arranged two clinical meetings for the Bombay orthopaedic Society (Sept. 1985 and March 1986) which were of great value for the postgraduates and the staff members of the institution as well as for those from outside.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY.

Obstetric cases & Operations :

Total No. of Confinements.	4,136
Total No. of Deliveries.	3,748
Registered Cases.	3,568
Emergency Cases.	180
Normal Deliveries.	3,041
Abnormal Deliveries.	707
Premature Deliveries.	255
Breech.	71
Face.	15
Transverse lie.	4
Brow.	1
Lower Segment Casarian Section.	255
Forceps Deliveries.	109
Vaccum Extraction.	76
Twins.	35
Cord Presentation Prolpase.	1
Placenta Previa.	5
Accidental Hemorrhage.	1
Abortion.	388

Mortality :	
Maternal Deaths.	13
Neonatal Death in full term babies.	51
Neonatal Death in Premature babies.	85
Still Births :	
Full term.	133
Premature.	16
Foetal Malformations.	16
Maternal Abnormalities :	
Pre-eclampsia.	19
Eclampsia.	7
Previous L.S.C.S.	80
Heart Disease.	26
BOH Pregnancy.	74
Obstetrics Operations :	
Total No. of Obstetrics Operations.	1837
Laparoscopy T. L.	195
M. T. P. with Lab. T. L.	290
Abdominal T. L.	439
Exploratory Laparotomy.	49
Tighting of OS.	29
Hysterotomy.	6
Secondary suturing of wound.	41
Exchange transfusion.	100
Blunt Cureattage.	26
Cx biopsy.	33
Cervical Biopsy.	16
E. U. A.	17
Check curretage.	393
Miscellaneous.	203
GYNAECOLOGICAL CASES AND OPERATIONS.	
Total No. of Gynasecological operations.	2268
Vaginal Hysterctomy.	352
Vaginal Hysterectomy with A. P. Repair.	197
Abdominal Hysterectomy.	131
Exploratory Laparotomy.	51
Fothergill's operation.	29
Vesico Vaginal Fistula repair.	5
Wertheim's operations.	12
Abdominal Cervicopexy.	10
Cervicopexy.	12
Anterior posterior vaginal wall repair.	7
Tuboplasty.	57
Myomectomy.	9
La Forte's operation.	2
Shirodkar vaginal repair.	12
Laproscopy :	
D & C TL	12
D & C	399
D & C with diagnostic scopy.	565
Diagnostic scopy.	155
Hysteroscopy.	70
Scopy.	113
Fetoscopy.	8
Miscellaneous.	90
DR. N. A. PURANDARE RESEARCH CENTRE :	
I—Serology :	
Blood group Rh.	4607
V. D. R. L.	6180
Antibodies.	298
Hb. Estimation.	4500
II—Microbiology.	
Moniliasis Screening.	128
Trichomoniasia.	10
Culture.	390

III—Biochemical :		
Blood sugar.	:	4747
Creatinine.	:	3714
B. U. N.	:	3714
Liver Function test.	:	248
Fibrinogen.	:	28
Protein.	:	475
Uric Acid.	:	358
(Quality Control Programme of Vellore Participating from June 1981).		
Complete Haemogram.	:	3256
IV—Hormones Routine :		
Estrogen and Creatine in H.R.P.	:	106
17 Ketosteroides in Gynaec disorders.	:	36
Special Studies :		
Semen Analysis.	:	1260
Barbodies in Endocrine patients.	:	52
24 hrs. Urine albumin.	:	6
Amniotic Fluid Study for Fetal Maturity :		
(1) Nile Blue Test.	:	28
(2) Shake Test and F. S. I.	:	28
(3) Spectrophotometry.	:	3
(4) Creatinine.	:	32
(5) Microbubble Test.	:	26
(6) Lecitin/Sphingomyelin ratio in amniotic F	:	32
CYTOLOGY SECTION :		
Total No. of smears.	:	9261
Total no. of Endometrial Aspiration smears.	:	26
Total no. of abnormal smears.	:	130
Histopathology :		
Endometrial bi-opsy.	:	128
Cervical biopsy.	:	4
Products of conception.	:	8
Miscellaneous.	:	10
Total.	:	150
ENDOCRINE O. P. D.		
Total No. of new cases.	:	94
Menstrual disorders.	:	35 (IVF)
Amenorrhoea-Primary.	:	10
Secondary.	:	20
Sterility —Secondary.	:	18
Primary.	:	28
Galactorrhea.	:	8
Preocious puberty.	:	1
Vaginal smear.	:	62
Cervical mucus studies.	:	101
Induction of ovulation.	:	40
Endometrial biopsy.	:	52
HIGH RISK PREGNANCY CLINIC.		
The special High Risk Pregnancy Clinic is run one day a week, Friday between 9.00 a.m. to Noon.		
The new patients registered and followed up in the Clinic were :		
BOH	NEW	60
	Old	179
Rh-Negative.	New	31
	Old	66
MEDICAL TERMINATION OF PREGNANCY SECTION :		
Total M. T. P.	:	1059
Second trimester.	:	241
Menstrual regulation studies included in 1st trimester.	:	210
Out patient suction evacuation of 1st trimester M. T. P.	:	608
intra amniotic saline.	:	608
Extra amniotic encredil.	:	145

ORAL CONTRACEPTIVE CENTRE :

	MIUD	Oral Pills	Cut	Multiload	Net. Inj.	L.P.
Total No. of new patients.	45	95	598	57	38	—
No. of cases continuing at the end of the year.	125	612	2422	493	34	256
No. of cases closed during the year.	35	112	245	20	21	84

POST PARTUM PROGRAMME SECTION :

Vesectomy.	:	229
Tubectomy.	:	1181
I. U. C. D.	:	676
M. T. P.	:	1121
Oral.	:	894
Condom.	:	29940

C. V. T. C. LABORATORY :

The Cardio-Vascular & Thoracic Centre Laboratory has following sections :—

- (1) Clinical Pathology.
- (2) Clinical Biochemistry.
- (3) Histopathology.
- (4) Research Section.

The tests which have been carried out in the Laboratory during the year, 1985 were as follows.

I) CLINICAL PATHOLOGY SECTION :

	No. of Samples.	No. of Test.
(a) Complete Haemogram (haemoglobin, RBC, Total & differential count, PCV & ESR). Material.	9346	46730
Lupus Erythematosus. (L.E. Chen cell) Parasites.	97	97
77	77	
(b) Routine analysis of Urine, Stool, Sputum & body fluid including microscopic examination.		
Urine.	4344	13032
Stool.	2121	4242
Sputum.	2159	2159
Pleural fluid.	147	147
Total.	18,291	66,484

II) HISTOPATHOLOGY SECTION :

(1) Surgical slides prepared.	:	1100
(2) Cytology slides stained.	:	1242
(3) P.M. Slides Stained.	:	9512
(4) Special stains on P. M. & surgical.	:	500

III) BIOCHEMICAL SECTION :

	No. of Samples	No. of Test.
(a) Liver Function Test.	4915	24575
Alkaline Phosphatase.	244	244
Acid Phosphatase.		
Prothrombin Time.	2667	2667
Clotting Time.	1678	1678
Blooding Time.	361	361
Serum Glutamic Oxalacetis. Transaminase.	7461	7661
Serum Glutamic Pyruvate. Transaminase.	7455	7455
(b) Carboyate metabosiam—		
Blood Sugar.	6861	6861
Uriné Sugar. (Quantitative & Qualitative).	790	790
(c) Kiney Function Tests.		
Blood Urea Nitrogen.	8446	8446
Creatinins.	1969	1969
Uric Acid.	317	317
(d) Serum Electarolytes. (Sodium. Potasium & Cholorides).	17515	52545
Calcium (Ca).	143	143
P. O4.	96	96
Cholesterol.	2044	2044
Pr. E. P. P.	23	23
V. M. A.	8	8
L. D. H. ise.	19	19
C. P. K. ise.	129	129
Lipoprotin Electre.	908	908
Triglyoerides.	2044	2044
H. D. L.	679	679
Complete fraction of lipe.	908	908
C. P. K. total.	223	223
T. G. E.	78	78
Antitrypsine.	29	29
R. A.	314	314
MISC.	7	7
Total.	68354	123444

IV) RESEARCH SECTION :

1) Cholesterol.	130
2) Study of lipid Fractions.	
(a) H.D.L. Cholesterol.	40
(b) VLDL Cholesterol.	40
(e) LDL Cholesterolides.	40
3) Triglycerides.	40
LDL Triglycerides.	40
VLDL Triglycerides.	40
HDL II.	90
HDL III.	90
4) Na, K-ATPASE.	50
5) Ca, Mg—AT Pase.	50
6) Na + K + — Dlectrolytes.	50
7) Total CPK.	135
8) CPK—iscenzymes.	327
9) LDH.	79
10) LDG-iscenzymes.	79
11) Serum Anylase.	117
12) Urinary Anylase.	104
13) Serum Créatinine.	117
14) Urine Creatinine.	117
15) Lipase.	84
16) BUN.	61
17) Autychelinestesase.	79
18) Haemogram.	40
19) Blood Sugar.	40
20) Total proteins.	40
21) Albumin.	40
Total :	2159

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

Number of admission.	:	
Number of New and Old patients, seen in OPD :	:	2312
New :	:	
Old :	:	16610
Number of classification of Investigations :	:	20,762
1) Facial :	:	
2) E. N. G. :	:	
3) Audigram :	:	
No. of New Audiogram :	:	2495
No. of follow up :	:	3495
No. of Impedance. (Total)	:	815
Speech cases.	:	1922
New — Bokeysy.	:	170
Glycerol.	:	4
Therapy Sessions. Nos.	:	173
Total No. of Operation.	:	2408
	:	1490

List of visits to the department :—

- Dr. Jatu Shah from New York.
- Dr. James Hill from New York.

TUMOUR CLINIC.

During the year about 250 patients were seen in O. P. D. and a same number of patients were seen in various wards. The clinic offered "Treatment Planning" and Care of advanced cancer cases" to hospital patients. At present the additional activity undertaken is "Five Needle Aspiration Biopsy" in diagnosis of neoplasia. Dr. C. V. Patel, M. S., F. R. C. S., continues to manage the clinic single handed.

DEPARTMENT OF MEDICINE :

The Department of Medicine which forms a major department of the Seth G. S. Medical College has had to cater for the teaching needs of 200 medical students over the last year under report. The teaching programme has undergone drastic change as compared to the previous years keeping in need of the change of medical curriculum brought about by the University of Bombay. As opposed to 3 subjects *i.e.*, Medicine, Surgery, Gynecology & Obstetrics, the students now have to appear for 5 subjects consisting of Medicine, Surgery, Gynaecology & Obstetrics, Preventive & Social Medicine and ENT & Ophthalmology. With this and considering the basic needs of the students, the didactic lecture series which was being given to the students spread over for a period of 3 years has been abolished. In the new system the students get an introductory lecture series consisting of about 20 lectures mainly highlighting the principles of history taking and physical examination while they are doing their junior clinical term. The main series of lectures are now delivered while they are doing their medical term after their second M. B. B. S. Examination. This series consists of 60 lectures with emphasis on general topics like infection, fluid and electrolyte balance and chemotherapy. They also are divided subject-wise into tropical diseases, nutrition, Cardiovascular disease, kidney disorders, gastroenterology, neurology, haematology, rheumatology, and endocrinology. The lectures are delivered by all the teaching members of the staff belonging to the Department of Medicine and other sub-speciality departments and are spread over a period of 2½ months. The number of students attending these lectures are around 50 at a time and the same series is repeated 5 times a year. These 50 students do their clinical terms at the same time in 6 medical units consisting of :—(1) Nephrology : (2) Gastroenterology : (3) Haematology : (4) Tetanus : (5) Arthritis and immunology : (6) Nuclear Medicine.

Dr. (Smt.) V. N. Acharya has now completed a decade as the Head of the Department of Medicine. The various specialities and the parent department has back up laboratories for services, research and training which includes Biochemistry Section in Lab. no. 44-45 : Applied Biology Section in Lab. No. 26 : and nuclear Medicine Section in Lab. 43-46. Dr. A.V. Potnis who took charge of this laboratory in 1984 supervises the laboratory needs of these various sections. During the year under write-up this laboratory has carried out a record number of 25505 investigations. Besides this, it has established hormonal bioassays by BIA methods to include assays of PTH, Calcitonin, Angiotensin I, Angiotensin II, Aldosterone, Catecholamine. This has been done as a part of joint research project under Dr. potnis, Dr. Acharya and Dr. Tilve on "Study of non-excretory functions of the kidney before and after transplantation" aided by a handsome research grant from Department of Atomic Energy under the auspices of Bhabha Atomic Research Centre.

The Nuclear Medicine Laboratory under the supervision of Dr. G. H. Tilve has made fruitful use of scanners and gamma camera and has offered valuable radioisotope services for different Sections. Besides Charcoal T3 uptake and radio-iodine studies, it has also established a radioimmuno assay of T3 T4 and TSH. It has also undertaken several studies on organs like thyroid, brain, liver, kidney, hepatobiliary system and whole body scans, as part of their work output.

The Artificial Kidney Division and the Nephrology Section has continued to do its multifarious responsibilities by looking after the preventive aspects of renal disease and renal failure by means of the renal clinic and management of acute chronic renal failure by peritoneal and hemodialysis and transplantation. During the year under observation, a total of 2380 dialyses were performed by various types of acute and chronic kidney evaluations. 15 patients underwent transplants after being prepared by dialysis. This division has now been recognised by the Medical Council of India and the Bombay University for D. M. in Nephrology and would be separated off an independent department with facilities for postgraduate training in Nephrology during the coming year.

The Arthritides and immunology Clinic continued to offer their good service to various patients. It saw 422 new patients and 1632 old patients during the year under observation.

The Tetanus Unit has 340 admissions during the year which included 50 neonates. The overall mortality rate has shown a considerable lowering and stood at 28% during the year.

A need for medical intensive care unit was felt to and manage severely ill patients with medical illnesses and the same came into being in February 1985. It was housed in Ward 22, a part of the tetanus ward comprising of airconditioned side room of this ward with 7 beds. It is noteworthy that the unit began to function without any extra staff, equipment and space, on experimental basis. During the year the unit saw and treated 220 very seriously ill medical patients who would otherwise have had more than 95% mortality if treated in general staff, equipment and space, the Medical Intensive Care Unit (MICU) gave valuable services to these patients and the mortality was brought down to 62%. This has been a valuable experience for academic training for doctors and nurses, the main rewarding recoveries were seen in these patients who had medical complications in surgical and gynecological and obstetrics settings who suffered from septicemia and shock. This has indeed been a well-come progress in the department of medicine and it is hoped that with sufficient administrative support and availability of additional staff and equipment, this Section should become a pride of place and asset of the department of medicine.

Tetanus :

Total Admissions.	: 340
Neonates.	: 50
Overall mortality rate.	: 28%

MICU :

Cases admitted.	: 220
Mortality.	: 62.50%

This division of the Department of Medicine was expanded in the year 1984 with the inauguration of a 10 bedded intensive care ward called as "Dr. M. D. Motashaw Memorial Renal Transplantation and Research Unit" with attached laboratory and independent seminar hall to accommodate 50 people. It has now functioned for more than 1½ years and has been a very great asset to the already existing artificial kidney division. This division which has been headed by Dr. (Smt.) V. N. Acharya, Professor of Medicine has adequate staff consisting of a Reader, Lecturer 4 Registrars and 4 House-Physicians. The department which is already recognised in 1977 for the Diplomat of National Board in Nephrology was inspected by the Medical Councillor of India and has been approved for carrying out postgraduate training for D. M. in Nephrology of University of Bombay. The department hence has been granted an independent status and would be seen functioning as a completely independent department by separating off from the parent department of medicine in the near future.

The Renal Clinic, an important component which looks after the preventive aspects of renal disease and renal failure continued to be run by appointments on Mondays and Thursdays. It saw 464 new patients during the year under observation. Bacteriology of urine, diet advice and certain immunological investigations were done on the spot for all patients attending the clinic. The special renal diabetic clinic continued to be run once a week and has proved very useful in presentation and early detection of diabetic renal disease. In the Applied Biology Laboratory No. 26, very many investigations were carried out as usual to include microbiology of urine, blood and pus of renal patients.

Immunological investigations to include immunoglobulins and complements and HBS, Ag., HB5, AB detection. Coagulation profile consisting of complete coagulation studies and prothrombin time were also carried out. Besides this, the laboratory undertook clinical drug-trials on a new monobactam called Aztreonam and augmenting a combination of amoxycillin and clavulonic acid.

A total of 105 kidney biopsies were done during the year. Very many patients were referred as emergency patients for consideration of dialysis by various units of this hospital and from outside hospitals. 343 patients received 2380 dialysis during the year under observation. These included 2188 hemodialyses and 192 peritoneal dialyses. A total of 15 kidney transplants were done during the year.

Dialysis	Acute renal failure	Poisoning	Chronic renal failure.	Post transplant	Total
Haemodialysis.	446	15	1630	88	2188
Peritoneal dialysis.	135	2	51	1	192

During the haemodialysis service, the technicians in the department have managed to do extensive study on re-use of several types of disposable hemodialysers in comparison to the standard Alwall kill Dialyser. The hemodialyser studies were :-

Renak 1.5 M ² and 1.2 M ²	
Gambre HF and Gh 1.2 M ²	
Cobe PPD	1.3 M ²
Nipro	1.2 M ²
Nakkise	1.2 M ²
Mira	1 M ² and. 8 M ²

It has been proved beyond doubt that Renak 1.2 and Mira 1 M² dialyser could be re-used maximum number of times and would be most economical for dialysis purpose. After these studies, the hospital administration has been advised to make these dialysers available through the Gift Shop to the needy patients of renal failure.

Plasmapheresis therapy that was started during the previous year has been used for 16 sessions for cases of acute rejections following transplantation, systemic lupus erythematosus and rapidly progressing glomerulonephritis.

1) Charcoal T3 uptake tests.	:	736
2) Radio-iodine uptake tests.	:	675
3) Thyroid scans.	:	503
4) Brain scan.	:	730
5) Liver and spleen scans.	:	1308
6) Kidney scans.	:	40
7) Whole body scans.	:	175
8) Radio-iodine therapy tests.	:	90
9) Preparation of Tracer doses I 131	:	775
10) Ascitic fluid.	:	26
11) Hepato-biliary scans.	:	20
12) Radioimmuniassay of T ₃ T ₄ & TSH.	:	335
13) Blood volume estimations.	:	16
14) Endocrine GPD :	:	1731
New patients	:	2825
Old patients	:	

ARTHRITIS & IMMUNOLOGY CLINIC.

1632 old patients and 422 new patients attended the OPD of Arthritis and Immunology Clinic, CVTC. They underwent clinical examination and laboratory investigations which included haemogram, R. A. test, LE, Phenomenon, A.N.A., Ig., studies and X-Rays.

APPLIED BIOLOGY LAB. NO. 26.

1) Urine culture and their sensitivity	:	3211	Samples.
(a) Mid-stream urine and catheter urine.	:	3164	Samples.
(b) Bladder puncture urine.	:	47	Samples.
2) Blood Cultures.	:	144	Samples.
3) Miscellaneous cultures.	:	933	Samples.
(a) Swab cultures.	:	550	
(b) Peritoneal fluid and ascitic fluid culture.	:	284	
Catheter tip (urinary and V. S. P.D. catheter).	:	99	
4) Australia antigen/antibody detection.	:	260	Samples.
5) Determination of immunoglobulin & complement (C3 and C4)	:	128	Samples.
6) Prothrombin time.	:	498	Samples.
7) Coagulation studies.	:	10	patients.
8) Azthreomycin trial.	:	20	patients.
9) Augmetin Trial.	:	5	patients.

DEPARTMENT OF GASTROENTEROLOGY :

Total No. of new patients attended OPD.	:	1375
Total No. of (Old & New) patients attended.	:	3370
Patients admitted.	:	260
Sigmoidoscopic swab.	:	100
Faecal fat studies.	:	40
D-Xylose studies.	:	20
Augmented histamine tests.	:	94
Lactose tolerance tests.	:	54
Bromosulfalein excretion test.	:	32
Amylase.	:	125

Sigmoidoscopies.	110
Upper G. I. endoscopies.	2163
Colonoscopies.	15
Endoscopic retrograde cholangic Pancre-at-ographies.	30
Esophageal manometries.	50
RADIOISOTOPE LABORATORY :	
1) Charcoal T ₃ uptake.	736
2) Radio-iodine uptake tests.	675
3) Thyroid scans:	503
4) Brain scan.	730
5) Liver and spleen scans.	1308
6) Kidney scans.	40
7) Whole body scan.	175
8) Radio-iodine therapy tests.	90
9) Preparation of Tracer doses I-131	775
10) Ascitic fluid.	26
11) Radioimmunoasay of T ₃ T ₄ & TSH	335
13) Blood volume estimation.	16
14) Endocrine OFD :	
New patients.	1731
Old patients.	2825
LABORATORY No. 44:	
1) Blood urea nitrogen.	150
2) Creatinine.	150
3) Abnumin.	150
4) Bilirubin (Total)	150
5) Total protin.	150
6) Bilirubin (Direct)	150
7) S. G. O. T.	42 to 60
8) S. G. P. T.	42 to 60
9) Sugars.	150
10) Uric acid.	5
11) Calcium.	15
12) Phosphorous.	15
13) Alkaline phosphatase.	15
14) Acid Phosphatase.	Occassional.
15) Sodium.	150
16) Potassium.	150
17) Chloride.	150
18) Biocarbonate.	150
19) Cholesterol.	10
20) Urine report.	20
21) Hamogram (CBC-ESR + HC)	30
22) Urine analysis (Microscopic and chemical).	20
23) Stool analysis.	12
24) Sigmadascopy stool.	Occassional.
Special studies :	
1) Creatinine clearance.	3
2) X-Xylose studeis.	Occational.
3) Fecal fat.	2 to 3
4) Gastric analysis.	—
5) Osmolality.	2 to 3
6) Blood barbiturate.	3 to 4
7) Ammonia.	Occassional.
8) Acid lead test.	—do—
9) Methamoglobin.	—do—
10) Prothrombin time.	8
11) Fibrinogen.	1 daily.
12) Bleeding time.	2 to 3
13) Clotting time.	2 to 3
14) Serum anylase.	4 to 5
15) Electrophoretic pattern.	Occassional.
16) Fe. and Fe. binding capacity.	Occassional.
17) B. S. P.	Occassional.

DEPARTMENT OF ENDOCRINOLOGY :

The department gave service to patients as shown below : —

	New patients.	Old Patients.
Diabetes Clinic.	709	13543
Endocrinology clinic.	1731	2825
Puberty and Growth Clinic.	191	276
Total :	2631	16644

There were 155 admissions during the year.

Laboratory Tests :—

Test	Number.
Blood sugar.	15079
Urine sugar.	1438
Urine albumin.	1292
Urine routine.	1256
Urine acetone.	56
Haemoglobin.	1200
E. S. R.	1184
W. B. C. Count.	1168
Serum protein.	761
Blood urea nitrogen.	786
Serum Cholesterol.	847
Urine.	1256
Creatinine clearance.	25
Acid lead test.	3
Water load test.	5
Osmolality.	106
Barr body determent.	95
Glycoslated Hb.	120
17 Ketosteroids.	136
17 Ketogenic steroids.	136
T by RIA.	846
T ⁴ / ₃ by RIA.	846
ISH by RIA.	306
HGH by RIA.	—
Insulin by RIA.	36
Dastes test.	6
Total :	27585

DR. J. C. PATEL DEPARTMENT OF HEMATOLOGY :

Department continues to offer its useful services to patients, majority of whom are referred by various departments of the hospital, other hospitals in the city and from other parts in the country. NCI inspection has been completed. It has been learnt that inspectors have approved the dept. for D. M. Hematology. However, there was considerable delay in our responding to the MIC questionnaire. Efforts put in to create a post of Hon. Asstt. Hematologist were nullified by administration's blanket rule of total embargo on any further appointments. in Honorary cadre. Research work on tissue effects of iron deficiency and interactions between nutritional anemia and thalassemia continues. Dr. Mehta continues to be on the Hamatology Advisory Committee, Leukemia Committee and haemophillia Task Force of I. C. M. R. Dr. Mehta occupied the position of Vice-President, International Society of He natology, Asian-Pacific Division during the year. Dr. Mehta also was President of Association of Physicians of India during 1985. Department organized a Second National Conference on Iron Deficiency Anemia during the year. Department participated in National Symposium on Recent Advances in Blood Transfusion where two of our students Mr. Manjunath Kamath and Miss. Purnima Kamath were awarded prize for best papers.

Number of admissions.	197
Number of New & Old patients seen in OPD	
New-patients.	3070
Total patients.	<u>6500</u>

Investigations :

1. Complete Blood Count.	9956
2. Erythrocyte sedimentation rate.	904
3. Bone marrow aspiration and Bone marrow biopsies.	865
4. L. E. Cell test.	456
5. B. M. Iron stain.	660
6. Urine Haemosiderin.	279
7. Serum iron.	2495
8. Total Iron Binding Capacity.	2495
9. R. B. C. Fragility.	1462
10. Sickling Test.	1582
11. Feetal Haemoglobin.	2475
12. Haemoglobin Electrophoresis.	1982
13. Sucrose lysis.	476
14. Cloting time.	470
15. Bleeding time.	468
16. Prothrombin Time.	687
17. Clot retraction.	422
18. Thrombin Time.	380
19. Platelet count.	356
20. Thromboplastin Generation test.	452
21. Partial Thromboplastin time.	659
22. AHG level.	440
23. Factor XIII.	459
24. Stypven time.	01
25. Fibrinogen level.	20
26. Cryoprecipitate preparation.	388
27. Factor VIII Antibody.	68
28. Euglobulin lysis time.	11
29. Urine Routine.	163
30. Serum Bilirubin.	415
31. S. G. O. T.	415
32. S. G. P. T.	419
33. Alkaline Phosphatase.	419
34. Serum Total Protein.	525
35. Albumin.	415
36. Protein Electrophoresis.	238
37. Au. Antigen.	415
38. Au. Antibody.	415
39. GT.	233
40. V. D. R. L.	182
41. Sr. Ferritin.	1440
42. Cytochemistry of BM slide.	80
43. Antitetanus Antibody Title.	100
44. Acid Ha-n-Test.	01

DEPARTMENT OF CARDIOLOGY :

Indoor patients.	Card. New	OPD Patients. Follow up.	ECG Total.
1464	3940	10,770	35,693.

Intensive Cardiac Care Unit :			
Cases admitted in Wd. 32.	32.	ICCU	919
Pacing.		Temporary	65
		Permanent	18
Pacemaker follow ups.			84
ECGs :		ICC	2092
		Ward 32	1781
Treadmill Street Test.			198
Cardioversions.			60
Rehabilitation : Occupational therapy :			239
Physiotherapy :			205

Unit I—Dr. A. S. Vengsarkar :

Cardiology OPD attendance.	:	
(Ceng. heart disease, RHD, HHD & IHD).	:	
(Combined report of II-Units-New & Old cases)	:	14710
Cardiology Indoor Patient (Unit—I).	:	925
Cardiology Admission to Savla ICU Unit I.	:	209

Investigations :

1. Electrocardiography (combined Indoor & OPD).	:	4716	
2. Echocardiographic studies : Echo machine out of order.	:		
3. Three channel Recordings	:	50	
4. Maximal Exercise Stress Testing	:		
(a) Routine Treadmill Exercise.	:	204	
(b) Computerized 12 lead exercise test (CST)	:	35	
(from 1-11-1985 to 31-12-1985)	:		
5. 24 Hours Ambulatory monitoring.	:	100	
6. rehabilitation Programme —	:		
Occupational therapy— Indoor	:	310	
— OPD	:	71	
Physiotherapy. — Indoor	:	72	381
— OPD.	:	Nil	
7. Cardiopulmonary Resuscitation	:	200	

Invasive Studies :

8. Cardiac catheterization & Angiography (Paediatric and Adult)	:	160	
9. His Bundle Electrocardiography.	:	10	
10. Transvenous Bedside Pacing.	:	200	
11. Permanent Pacemaker Implantations.	:	20	
12. Electrophysiological Studies (recognition in management of arrhythmias).	:	250	
13. Bedside Haemodynamic Studies.	:	15	

DEPARTMENT OF UROLOGY :

No. of Admissions.	:	1093
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Out-patients :—

(a) Urology Outpatient Attendance.	:	1579
(b) Male Infertility Outpatient.	:	464
(c) Stone Clinic.	:	

Operations :

Major open operations.	:	271
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ENDOSCOPIC SURGERY :

TURP — 82	:	
TURB — 11	:	
VIU — 81	:	197
Stone Crusings. — 23	:	
Diagnostic Endoscopy.	:	1408
Microsurgical Vas Re-anastomosis.	:	25
Kidney Transplantation.	:	15
Surgery for Pheochromocytoma.	:	3
Percutaneous Renal Surgery and Endourology (Workshop)	:	12

Academic Activities of the Department :

1. All types of major, open urological operations.
2. All types of Diagnostic and Operative Endoscopic Procedure like V. I. U. TUR etc.
3. Kidney Transplantation.
4. Surgical Treatment of Hypertension.
5. Investigations and Treatment of Male Infertility.
6. Investigations and Treatment of Male Impotence using NPT monitor, Doppler and EMG machines.
7. Microsurgery of the vas deferens and other family planning procedure in males.
8. Ultrasonography studies of Urological Diseases.
9. Cryosurgical Techniques in Urology.
10. Percutaneous Renal Surgery.
11. Derumentation and Recording of important urological operations on U-matic video system for teaching and presentation in academic meetings.

Investigations carried out in Urology Lab. :

1. Urine Culture studies.	2350
2. Routine urine examination.	220
3. Haemogram.	900
4. Semen analysis.	915
5. Testicular Bjopsy.	108
6. Renal Chemistry.	658
7. Blood Sugar Estimation.	402
8. Semen calocious phosphorus & alikaline phosphate.	180
9. SGOT, SGPT.	112

Total : 5845

PLASTIC SURGERY DEPARTMENT :

No. of Patients attended.

1. Weekly out-patient Clinic held every Thursday Thursday in the afternoon.	947
2. Follow up Clinic conducted by the Honorary staff-Thrice a week.	2292
3. Patients referred from other departments to this department.	602
4. The feeding guidance clinic held every Sunday morning for Cleft lip and palate patients.	263
5. Keloid Clinic for Kenacort Inj. held every Thursday in the morning.	340
6. Patients referred from Casualty Department.	2208
7. Indoor patients admitted in Ward-16.	487
8. Patients treated in Burns Ward.	129
9. Operative procedures carried out in Plastic Surgery Theatre.	740
10. Emergency procedures carried out in the M. O. T.	1464
11. Outdoor dressings carried out in the Department.	5537

DEPARTMENT OF CHEST MEDICINE :

The load of out-patient and inpatient departments showed an increase in the year 1985.

New cases were registered in chest clinic and 14296 old cases were attended in addition for follow up.

768 patients were admitted for indoor treatment in the year 1985. The number of aptients referred for intensive care was 16,397 patients were put on respirator and 35 cases were operated in this unit in the year 1985.

Bronchoscopic studies were carried out on 130 patients. Allergy testing with skin test was done on 45 patients.

Work load of Pulmonary Function Laboratory in 1985.**Blood Gas.**

PFT

Ward Samples.	Artery Puncture study.	Catheter samples.	OPD and indoor Patients.	Reserch patients.
9300	384	2131	1498	301

DEPARTMENT OF NEUROLOGY :

This department runs two neurology and two epilepsy out Patients departments per week.

No. of O. P. D. Patients :

Neurology.	
Epilepsy.	
No. of Indoor Admissions.	407
No. of E. M. G. S. and Evoked Potential Studies.	286
Neuro-radiology.	90
Investigations : Myelogram : 57	
Carotid Angio & Vertebral Angio-33).	
No. of E.E.G.S.	766

These invasive investigations have declined in number due to increasing use of noninvasive, safe and more highly informative C. T. Scan studies.

Medical Social Work is carried out by Departmental M. S. W. Rathi Menon.

She looks after all Epilepsy patients and gives group therapy in every O. P. D. Besides group therapy, She does home visits and case work studies of all epilepsy and neurology patients.

DEPARTMENT OF NEURO—SURGERY

Total No. of Out-patients.	6598
Total No. of In-patients.	978
Total No. of Referral Patients.	2617
Total No. of Investigations.	1499
Total No. of Operations.	910

Out-patient services at Dr. R. N. Cooper Hospital :

During the year 266 new patients were seen at this outpatient department. Of these 43 were transferred to our department at the K. E. M. Hospital. The care of patients with head injuries at Cooper Hospital is in excellent hands. We see, time and again, the keen interest displayed by the general surgical residents and the results of their efforts in terms of decreased mortality and morbidity.

Visitors :

(1) Dr. Luc Picard, eminent French neuroradiologist and one of the leading international experts in interventional neuroradiology, kindly conducted a workshop in our department. Originally scheduled for 2 days, Dr. Picard extended it by a day, completed it on 9th November 1985.

(2) Dr. Bindu T. Desai, Associate Professor of Neurology at Cook County Hospital and Medical School in Chiago, spent several mornings with us. She presented her talks on **Science in History**, bringing to us to the 20th century. She hopes to complete the remaining portion during her next visit.

DEPARTMENT OF PAEDIATRIC MEDICAL :

Indoor Patients.

Male Child	1858
Female Child	1331
<hr/>	
Total	3139

New Borns (Postnatal wards)

Total live birth

Total still births

Speciality OPD Attendance

Unit— I—Genetic Clinic.	776
High Risk Infants OPD	
New cases	413
Old cases.	518
Unit— II—Juvenile Diabetes	
Pediatrics Chest Clinic	293
Unit—III—Rheumatology OPD	605
Nephrology OPD.	250
Well baby clinics (all units) attendance.	13,153.

Urban Health Centres

Under this programme comprehensive care is provided to infants and under six clinics conducted for treatment of minor ailments, developmental assessment, Immunization, nutrition advice, education, nutritional supplementation etc., at following centres.

(1) Malavani slum welfare centre : Unit I and P. S. M. Department consultancy service provided by visiting Pediatrician every Wednesday afternoon.

(2) Prabhadevi Child Welfare Centre : Unit — II.

(3) Naigaum Child Welfare Centre : Unit — III.

In addition to comprehensive health care, nutrition classes and milk distribution has been done regularly.

School Health Clinic :

Under this programme, children from Municipal schools in 'F' and 'G' ward are transported to K. E. M. Hospital for regular check-up investigations and treatment.

Paediatric Research Laboratory :

The laboratory continues to make advances in self-sufficiency and expertise in the diagnosis of genetic disorders besides many routine investigations done for paediatric disorders. 776 genetic referrals were evaluated. Referrals from all Municipal Corporation hospitals, peripheral hospitals, Government hospitals and hospitals over Maharashtra, Gujarat & Madhya Pradesh. The laboratory and genetic division is fast being appreciated as an all-India reference centre, with enquiries on genetic disabilities coming in from as far Rajasthan & West Bengal. The laboratory has been ranked 20th of 300 Quality Control lab. Vellore.

The most passionate aim of the Genetic division and the laboratory is to achieve a fair measure of expertise in prenatal diagnosis. Towards this end, the project founded by the K. E. M. hospital Research Society under Dr. B. A. Bharucha standardisation of the technique of amniotic cell fibroblast culture for prenatal karyotype and enzyme estimations continue. A minor setback has been the lack of availability of amniotic fluid samples. More and more cultures are succeeding, and there are now many requests for genetic counselling through prenatal diagnosis of Down Syndrome and some inborn errors of lipid metabolism are being concentrated upon. Ms. Jayshree Naik, Senior Scientific Officer is now attempting amniotic fluid mapping of mucopolysaccharides by 2 dimensional electrophoresis for cases of mucopolysaccharidoses, which form a large group of inborn errors of metabolism.

Neonatology :

Dr. S. F. Irani, Professor of Neonatology, has been handed over charge of all newborns from April 1985, inclusive of inborn neonates and these admitted from outside to the sick newborn unit of Ward—I.

Unit	Admission	Death	Triple.		
			I	II	III
Dr. N. B. Kumta. (Unit —I).	1113	115	334	287	244
Dr. M. D. Shah. (Unit —II).	797	95	326	306	328
Dr. P. W. Kandoth. (Unit —III).	1279	111	1103	916	683
Polio					
	I	II	III	IV	V
Dr. N. B. Kumta (Unit —I).	392	325	268	199	133
Dr. M. D. Shah. (Unit —II).	420	306	254	230	96
Dr. P. W. Kandoth. (Unit —III).	1356	1025	822	570	397
Naigaum Maternity Centre : (Uni—III).					
	I	II	III	IV	V
Polio.	657	476	390	286	207
Triple.	656	507	390		
Booster.	155	76	2316		
Milk Attend.	30288				
Vit.—A	1245				
Vit.—D	128				
Total Clinic attendance.	1183				
Home Visits.	2773				
Measles.	151				
B. C. G.	1621				

Department of Dermatology & Venereology :

Following Statistics shows the patients treated during the year 1985, in the Leprosy Unit.

(a) New patients registered at K. E. M. Hospital.	487
(b) Repeated patients.	2054
(c) Patients referred from A. L. Hospital.	1
(d) Patients from Bombay residency.	370
(e) Patients from Non-Bombay residency.	117

Analysis of New Patients :—

	Tuberculoid	Intermediate	Lepromatus	Total
Male	276	16	04	296
Female	133	4	01	138
Child	53	—	—	53
Total	462	20	05	487

Analysis of Old Patients :—

Male	1115	152	101	1368
Female	564	39	21	624
Child	62	—	—	62
Total	1741	191	122	2054

Total attendance. 7869
 Working days 148
 Average per working days. 56.5

Bacterial smear done :	Positive	Negative	Total
S. F. Test 98.	47	543	590

The Statement showing the out patients treated in this department for mycotic infections during the year 1985.

Total Scraping done.	1216
Cultures done out which	510
T. Corpories.	65
T. Cruris.	26
T. Barbae.	12
T. Capitis.	30
T. Pedis.	18
T. Amillaris.	2
T. Manup.	7
Onychomycosis.	7
Mycetoma.	8
Deep mycosis including CSF, Sputum, pus, gastric lavage, fluids, biopsies etc., for culture.	335
Ophthalmic scrapings and cultures.	36
Stains, routine media and special media are prepared in the laboratory.	

Following statistics shows the new S. T. D. cases in this department during the year 1985.

Syphilis.	249
Gonorrhea.	221
G. I.	16
L. G. V.	31
N. S. U.	26
Chancroid & others.	887
Total.	1430

Sexwise classification of new S. T. D. cases :—

Male	Female	Children	Total
1347	076	07	1430
Total S. T. D. cases (New & Old treated :—			
New cases	Old cases	Total.	
1430	2850	4280	

Following are the figures showing Smears, Biopsies, allergy, patch tests etc., done during the year 1985.

(a) Urethral smear, TS/PS/Vs/CS.	859
(b) Urine examination.	68
(c) Blood examination.	17
(d) Biopsy.	542
(e) Allergy patch tests.	22
Total.	1508

Total No. of New & Old cases seen and treated. (New cases : 17899, Old cases : 21486).	39385
Total No. of Patients (Indoor) treated during the year.	275

MOLECULAR BIOLOGY DEPARTMENT :

Number of Antibiotic Sensitivity tests carried out :	454
Routine work carried out in the Department :	

Clinical Source	Positive Sample	Negative Samples	Total
Urine.	320	251	571
Wound Swab or Pus.	71	46	117
Catheter tip.	23	25	48
Bile.	16	25	41
Peritoneal Fluid.	6	18	24
Throat Swab.	6	11	17
Blood culture.	2	14	16
Ascitic Fluid.	1	10	11
Tracheal Swab.	3	11	14
Drain Culture.	6	—	6
Total	454 (52.48%)	411 (47.52%)	865

(1) No. of samples processed for AFB staining Flurescent staining & culture.	224
(2) No. of samples showing growth of mycobacteurs.	70
(3) No. of strains procesed for antitubercular drug sensitivity.	70
(4) No. of sera samples processed for detection of Anti-tubercular I. G.	224

Routine Work Carried in Streptococcal Laboratory :

(1) Number of samples processed for ASO titre estimation	1210
(2) No. of throat swabs processed for isolation of B-haemdytic streptocacci.	938
(3) Antibiotic sensitivity testing of streptococcal isolates.	169
(4) No. of streptococcal strains processed for grouping.	169
(5) No. of urine samples processed for isolation of group D-streptococci.	254
(6) Samples processed for isolation of group B stretococci.	800

DEPARTMENT OF PSYCHIATRY :

The Department of Psychistry managed by six Monoraries, 1 Reader, 1 Lecturer and nine residents offers outpatient and inpatient services. Various psychological tests are conducted by two clinical psychologists. Two psychiatric social worker help in collection of social data, counselling, social case work and family therapy, Electrophysiological investigations (EEG and Polygraph) are done whenever required. EEG facility is offered to other specialities.

The Department offers various psychiatric treatments like electroconvulsive therapy(ECT), Modified Insulin therapy, carbondioxide abreactive therapy, behaviour therapy, psychopharmaco-therapy individual and group psychotherapy, biofeedback and occupational therapy. Special clinics are conducted for the specific problems e.g. Lithium clinic, group psychotherapy for sexual problems of males, child guidance clinic and maintenace therapy of chronic schizophrenics.

Educational activities include the teaching of postgraduate, undergraduate and paramedical students. The department has its own library of books and scientific journals. Social workers, clinical psychologists and nurses under training are posted in the department for field work. Four out of four students obtained their M. D. degree and four out of five students passed their diploma in psychological medicine. Departmental staff also participated in symposia and seminar for mental health education of the general public and general practitioners. They actively participated in the Annual Indian and West Zonal Conferences.

Number of patients offered various services in 1985.

	No. of Pts.	No. of Sessions.
1. New patients seen in OPD.	4574	—
2. follow-up OPD visits.	9374	—
3. Indoor admissions.	1587	—
4. Electroconvulsive therapy (ECT).	889	4362
5. Behaviour therapy.	32	289
6. Alcohol group therapy.	417	1314
7. Drug Addict Group Therapy.	329	1200
8. Child Guidance therapy.	98	298
9. Sex education therapy.	441	1709
10. Occupational therapy—OPD cases	237	1254
Indoor cases.	1382	14254
11. Biofeed back therapy.	15	103
12. Electroencephalograms (EEG).	829	—
13. Workload of clinical psychologists psychological tests.		
(a) Rorschach.	676	
(b) M. M. P. I.	532	
(c) Intelligence tests (IQ & SQ).	989	
(d) TAT and CAT.	102	
(e) B. G. and W.H.S.	347	
(f) Miscellaneous (TAMS, HABS, HPRSD, HOQ, MRS).	189	
14. Workload of Psychiatric Social Workers.		
(a) Collection of social date.	630	
(b) Social case work—Short term—	215	
Long term—	47	
(c) Brief psychotherapy.	22	
(d) Family therapy.	22	
(e) Marital counselling.	34	
(f) Orientation to parents of mentally retarded children.	69	
(g) Referral to school for mentally retarded.	29	
(h) Rehabilitation by referrals to employment agencies.	36	

Treatment Programme :

- (1) Drug Therapy.
- (2) Abreactive Therapies.
- (3) Abreactive Therapies.
- (4) Psychotherapy. (Individual and Group).
- (5) Behaviour therapy clinic.
- (6) Group Psychotherapy for sexual problems of males.
- (7) Child Guidance Clinic.
- (8) Occupational Therapy.
- (9) Lithium therapy clinic.
- (10) Biofeedback.
- (11) Programme for chronic alcoholics.
- (12) Programme for Drug Dependence Patients.

DEPARTMENT OF RADIOLOGY :

Procedures	General Radiology Section No. 10.	Vascular Radiology Section No. 53.	Radiology Section in Oc.
1. Angiogram, 4 vessel.	—	17	—
2. Angioplasty.	—	11	—
3. Aortogram.	—	224	—
4. Arteriogram—			
Cerebral.	650	26	—
Peripheral.	—	47	—
Spinal.	5	—	—
Visceral.	—	91	—
5. Arthrogram.	—	—	2
6. Biopsy, percutaneous pulmonary, flucroscopic.	—	13	—
Renal, Ultrasonographic Liver, Ultrasonographic.	—	22	—
7. Bronchogram.	—	74	—
8. Cholangiogram, percutaneous, transhepatic.	—	24	—
9. Cholecystogram, oral.	155	—	—
10. Cisternogram, Myodil.	15	—	—
11. Cystourethrogram, micturating.	22	—	—
12. Dilatation, esophageal.	—	2	—
13. Drainage, biliary, percutaneous, transhepatic.	—	16	—
14. Embolisation, transarterial.	—	7	—
15. Enema, large bowel.	269	—	—
16. Enema, Small bowel.	27	—	—
17. Esophagogram, barium.	435	—	—
18. Gastrointestinal series, lower.	677	—	—
19. Gastrointestinal series, upper.	850	—	—
20. Hysterosalphingogram.	120	—	—
21. Lymphangiogram.	—	27	—
22. Membranotomy, Venocava.	—	2	—
23. Myelogram.	308	—	116
24. Nephrostomy, percutaneous.—	—	30	—
25. Plain radiographs.	88643	—	35182
26. Pyelogram, antegrade.	—	28	—
27. Pyelogram, retrograde.	28	—	—
28. Sialogram.	29	—	—
29. Splenoportogram.	—	54	—
30. Syringogram.	2	—	—
31. Tenogram.	—	—	2
32. Tomogram.	69	—	—
33. Ultrasonograms.	—	5565	—
34. Urethrogram, dynamic retrograde.	155	—	—
35. Urogram, excretory.	1415	—	—
36. Venacavogram.	—	10	—
37. Venogram Jugular.	2	—	—
Orbital.	4	—	—
Peripheral.	—	58	—
Visceral.	—	6	—
Total :	94079	6459	35302

Total workload of investigations: 1,35,840.

PATHOLOGY DEPARTMENT :

The department of Pathology has three sub-sections.

- (1) Clinical Pathology.
- (2) Autopsy Section.
- (3) Surgical Pathology.

Clinical Pathology : There are two separate laboratories which carry out investigations in this section for out-patients and in-patients. The Biochemistry section for in-patients is open 24 hrs. investigations carried out in out-patients laboratory include Orthopaedic Centre.

Type of analysis.	No. of samples.	Total no. of investigations.
1. Haemograms.	35,979	1,27,650
2. Urine analysis.	22,732	65,557
3. Stool analysis.	17,791	17,791
4. Sputum.	3,071	3,071
5. MP/MF Smears.	165	165
6. BT/CT.	1,126	2,263
	80,664	2,16,477

Investigations done in in-patients :

1. Haemograms.	10,379	54,241
2. Urine analysis.	12,144	27,261
3. Stool analysis.	5,230	11,694
4. Sputum.	1,519	1,519
5. Fluids.	2,278	2,278
6. Cytology.	2,532	2,532
	34,082	99,525

Clinical Biochemistry :

Blood sugar.	26,482
Blood urea Nitrogen.	18,780
S. Creatinine.	3,859
S. Protein X 2.	12,642
S. Bilirubin.	7,492
SGOT/SGPT.	13,545
S. Calcium.	913
S. Phosphatase.	888
Alk. Phosphatase.	3,016
Acid Phosphatase.	202
S. Cholesterol.	859
S. Uric acid.	325
S. Amylase.	324
Fluid Proteins.	798
Urine Albumine.	179
Urine B. J. Protein.	101
C. S. F. Sugar.	1030
C. S. F. Chlorides.	1,030
Prothrombine Time.	1,284
Electrolytes.	5,235
Gastric analysis.	105
Total :	99,179

Emergency Laboratory investigations.

Blood sugar.	11,019
Blood urea.	12,423
S. Electrolyte.	44,412
Amylase.	402
Bilirubine.	3,407
CSF sugar clorides.	3,891
Barbiturate level.	257
	76,611

Autopsy :

Total no. of autopsies performed.	1,873
Total no. of slides prepared.	6,827
Total no. of slides stained.	6,827
Total no. of Blocks prepared.	6,537

The work in this section has lagged behind by 40% due to lack of staff.

Surgical Histology :

Total no. of specimens.	9377
Total no. of slides prepared.	19682
Total no. of slides stained.	19682
Total no. of blocks prepared.	16373

Neuropathology :

	No. of cases.
Blood urea nitrogen.	1009
Blood creatinine.	1009
Cerebrospinal fluid	
Routine cytology.	528
Protein	528
Sugar.	528
Chlorides.	528
Cryptococci.	370
Liver function tests (SGOT, SGPT).	
Total protein and albumin, Bilirubin.	688
Serum cholesterol.	35
Creatine clearance studies.	3
Prothrombin Time.	28
Serum creatine kinase.	476
Serum ceruloplasmin.	10
C. M. V. (urine).	19
Metachromatic granules.	2
Bence Jone's proteins proteins (urine).	4
Urinary Myoglobins.	14
Haemogram (CBC, ESR, Hb).	366

Muscle Biopsy :

Routine Adenosine Triphosphatase.	55
Atpsse Ph 9.4.	
Reduced Nicotinamide adenine denucleotide reductase (NADH TR).	55
Phosphorylase.	55
Gompri Trichome-Modified.	55
Peridic Schiff (PAS).	17
Oil red O.	17
Sudan Black B.	17
Muscle acid maltase.	4
T and B cell quantitation.	25
Serum Immune complexes.	25
Serum complement profile.	25
Muscle indirect immunofluorescence.	25

Histopathology :

	Total No. of cases	BlockSlide prepared prepared		Unstained slides prepared.
Surgical biopsies.	444	610	610 + Sp. stain.	2100
Brain specimen.	284	1325	1325 + Sp. stain.	
External biopsy.	10	13	13 + Sp. Stain.	
Smears from biopsy tissue for urgent diagnosis.	11			
PM Blocks received from PM Histology.	25	225	225	

PHARMACY DEPARTMENT :

(A) Total number of transfusion fluid bottles.	2,91,695 bottles.
(B) Total number of injection (vials).	4,150 Nos.

(C) Stock Solution :

(I) HAEMODIALYSIS FLUID (Concentrate 1 X 35).	100 Litres.
(II) Potassium Chloride 25%.	76 Litres.
(III) Magnesium Chloride 50%.	37 Litres.
(IV) Calcium Chloride 25%.	118 Litres.

Central Sterile Supply Services :

(I) Number of drums sterilised.	36,798 Nos.
(II) Number of trays sterilised.	37,943 Nos.
(III) Number of blding sets prepare & sterilised	7,820 Nos.
(IV) Number of plastic saline sets prepare & sterilised.	64,935 Nos.

Quality Control Unit :**(A) Analytical Report :**

(I) Dextrose (5% 10%, 25%, 40%, A & B soln. ACD etc).	602 Nos.
(II) Sodium chloride (0.9%, 5%, A & B soln, Acetated).	492 Nos.
(III) Distilled Water (Purity tests).	300 Nos.

(B) Supply Check (Received from Medical & General Store).

(I) Analysis of Chemicals, drugam Medicines etc.	187 Nos.
(II) Samples checked visually.	379 Nos.
(III) Testing of absorbent gauze (I.S.I.).	478 Nos.
(IV) Testing of absorbent cotton (I.P.).	161 Nos.
(V) Testing of Bandage cloth (I.S.I.).	37 Nos.
(VI) Testing of Absorbent Lint. (I. S. I.).	11 Nos.

(C) Pyrogen tests.	492 Nos.
(D) Sterility tests.	985

New Preparation Introduced :

(I) 15% Azelaic Acid Cream.	
Compulsary academic training.	
Students obtained training from dispensary.	21 Nos.

DEPARTMENT OF MICROBIOLOGY :**Workload of Baoteriology :**

1. No. of AFB samples.	1639
2. Blood culture.	1454
No. of subcultures.	2908
3. C. S. F. samples.	3430
ABS.	133
4. No. of pus samples.	7836
No. of pus ABS.	4444
5. No. of sputums.	1061
No. of ABS done.	983
6. Stool samples.	875
No. of ABS done.	112
7. No. of P.M. samples.	135
8. No. of ABS done.	3095
No. of colonye counts & dilutions.	4480
9. Swabs from operation thereatre.	3792
10. Sterility checking of IV solutions from pharmacy.	2700

Total : 45,605

Numbers of samples received in the anaerobic section 1985.

1. Pus.	162 samples.
2. Wound swab.	200
3. Swabs (Throat, Nosal, Rectal & Tracheal).	161
4. Sputum (Routine) Sputum (Augmentin Trial).	729
5. C. S. F.	019
6. Body fluids (Ascitic Pleural, Abdominal etc.).	122
7. Urine.	026
8. Blood culture.	021
9. Gas Gangrene.	027
10. Vaginal & Cervical swabs.	219
11. Neonates Swabs (Ear, Umbilical, Amnionic fluid).	127
12. Faley's and CVP tip.	091
13. Vaginitis.	100
14. Stool.	088
15. Dog's Experiment.	016
16. Dental.	050

TOTAL : 2159

Immunology :

Immunoglobulins.	204
CSF Immunoglobulins.	9
L-fetoproteins.	10
Urine CMV.	29
Casoni's Test.	18
T Cell.	5
Candida & Aspergillosis.	28

303

Serology :

VDRL.	5334 (415 positive)
Widal.	985
R. A.	1562
Paul-Bunnel.	96
CSF VDRL.	707

8684

Mycology :

Total Scraping done.	1216
Cultures done out of which	510
T. Corporis.	65
T. Curis.	26
T. Batbase.	12
T. Capitis.	30
T. Pedis.	18
T. Axillaris.	2
T. Manum.	7
Onychomycosi.	7
Mycetoma.	8
Deep mycosis including CSF, Sputum, pus, gastric, Lavage, fluids, biopsies etc., fro culture.	335
Ophthalmic scrapings and cultures.	36

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

Nurses :

Nusing Establishment is having 1003 Scheduled and 130 Non-Scheduled posts, out of which 32 posts are vacant. Approximate expenses per Nurse per month is Rs. 1,300/-.

Total No. of Gen. Nursing Students.	283
Total No. of Midwifery Students.	64

Total : 347

Total No. of Students in Dec. 85,347 as against sanctioned 436 Students.

In the year Nurses were sent for different examinations and their performance of examinations was satisfactory.

Examination	Period	Appeared	Passed	Percentage
Gen. Nursing P-I	Jan. 1985	10	9	90%
Gen. Nursing P-I	July 1985	88	64	72.7%
Gen. Nursing P-II	Jan. 1985	31	31	100%
Gen. Nursing P-II	June-1985	74	65	87.8%
Midwifery.	Feb. 1985	61	58	95.8%
	Aug. 1985	69	67	97.1%

The corpus of the fund Rs. 50,000/- out of which 16,000/- is kept in Government Security and Rs. 34,001/- kept in Fix Deposit in the bank interest on the amount is utilised for providing activities to the Nurses such as Varsity Entertainment Programme, Prize Distributions, Sports, Send Off Functions for retired members, Academic Prizes according to the wishes of the donors and also giving loans to the Nurses during their difficulties.

The teaching of Paediatric Short Term Courses of 3 months duration, which was started from September 1981 is still continued.

The Short Term Course in Intensive Care Unit is started from June 1985. One batch of 12 Students have been trained.

Sr. Jyoti Patil, Public Health Nurse was sent to Delhi for Refresher Course in Public Health.

Shri Prakash Kakade and Shri Kisan Jedhe were sent for T. N. A. I. Conference at Delhi in Oct. 1985.

The K. E. M. Hospital & Seth G. S. Medical College Employees' Co-Operative Credit Society.

1. Members.	2,094.
2. Share capital Reserve.	7,19,130
3. Dividend.	9%
4. Classification of Audit.	"A"

FOOD HANDLERS SCHEME

3012 Persons directed for examination by H. O.'s Department from 1st January 1985 to 31st December 1985, Out of which only 1012 persons attended for examination. 4 persons did not give their stool, blood, etc., for pathological examination and hence their reports are still pending. 937 fit and 71 unfit certificates were issued during the year under report.

DISPENSARY DEPARTMENT :

	O.P.D.	Indoor	Ordinary	Gr. Total
(1) K. E. M. Dispensary.	3,41,591	5,467	196	3,47,254
(2) C. V. T. C. Dispensary.	33,423	109	10	33,542
(3) Orth. Dispensary.	26,549	211	—	26,760
	4,01,563	5,787	206	4,07,556

DEPARTMENT OF PHYSIOLOGY :

Academic Activities :

(a) Undergraduate Medical Students :

During the year 1985-86, 200 students were admitted in August 1985 for the 1st M. B. B. S. Course. Regular Lectures and practicals were started from 26th August 1985. Continuous assessment of the students was done in both the academic terms of the year 1985-86 by conducting "Unit tests, Spot test etc." in addition to 'Terminal Examinations' (1st & 2nd Terminal examination). According to the result of the continuous assessment, special attention was given to the academically backward students. Separate Viva examination was arranged for them.

As far as possible teaching in the subject of Physiology was integrated with that of Anatomy and Biochemistry.

(b) Afternoon lectures were arranged for 1st M. B. B. S. students. Dr. S. J. Kashalikar took 12 lectures on Endocrinology in Diwali vacation-1985.

205 students appeared for 1st M. B. B. S. Physiology in October 1985.

160 students passed (Physiology result was 78.04%).

12 students secured Distinction in the subject of Physiology at the 1st M. B. B. S. October 1985 Examination.

Undergraduate Non-Medical Students :

80 students were admitted for F. Y. B. Sc., (Occupational Therapy & Physio Therapy). regular lectures and practicals for these students were started in September 1985. These students were assessed continuously for theory as well practicals by conducting terminal examinations. Seperate lectures were arranged for Nursing students.

Postgraduate Students :

Dr. (Mrs.) R. A. Patki and Dr. M. G. Bandelkar have passed M. D. Physiology examination in October 1985.

Dr. J. B. Dharani and Dr. D. L. Dalvi are post-graduate students. Lectures and practicals were arranged for them.

POOR BOX CHARITY FUND :

A sum of Rs. 33,63,870.54 was received by way of donation contribution from patients, part cost of spectacles and sale at gift shop, etc., In addition to cash donations, donations in kinds were also received. An amount of Rs. 30,73,798.43 was spent out Poor Box Charity Fund in the year as against Rs. 22,19,967.90 during the previous year. The amount was spent costly drugs, blood transfusion, surgical appliances, travelling expenses, spectacles etc., for poor and deserving patients of the hospital.

APPENDIX-I :**Speciality wise and Unit distribution of Beds.**

Department	Head of the Units.	Male	Female	Children	Un-classified.	Total
Medical.	Dr. V. N. Acharya.	20	12	—	—	32
	Dr. F. D. Dastur.	20	10	—	—	30
	Dr. G. H. Tilve.	20	11	—	—	31
	Dr. S. G. Dalvi.	20	11	—	—	31
	Dr. C. P. Dalvi.	20	11	—	—	31
	Dr. P. D. Anjaria.	20	11	—	31	31
	Dr. P. D. Anjaria.	20	11	—	—	31
Tetanus.	Dr. F. D. Dastur.	12	7	5	—	24
Haematology.	Dr. B. C. Mehta.	10	2	—	—	12
A. K. D.	Dr. (Smt.) V. N. Acharya.	12	4	2	—	18
Div. Of End.	Dr. S. D. Bhandarkar.	10	6	3	—	19
Gen. Surgery.	Dr. S. K. Mathur.	24	6	—	—	30
	Dr. R. D. Bapat.	24	6	—	—	30
	Dr. A. B. Samsi.	24	6	—	—	30
	Dr. C. V. Patel.	24	6	—	—	30
	Dr. S. G. Shenoy.	24	6	—	—	30
	Dr. S. D. Deodhar.	24	6	—	—	30
	G. I. C. (Surg.)	Dr. S. K. Mathur.	—	—	—	—
Dr. R. D. Bapat.		8	2	2	—	12
Dr. S. R. Naik.		—	—	—	—	—
G. I. C. (Med.)	Dr. S. R. Naik.	13	5	—	—	18
Ophthalmic.	Dr. Y. K. Dastur.	18	9	3	—	30
	Dr. S. D. Adrinwalla.	18	9	3	—	30
Gynaec.	Dr. M. Y. Rawal.	—	10	—	—	10
	Dr. S. S. Bhattacharya.	—	10	—	—	10
	Dr. S. S. Seth.	—	10	—	—	10
	Dr. M. R. Narvekar.	—	10	—	—	10
	Dr. M. A. Deshmukh.	—	10	—	—	10
	Dr. I. N. Hinduja.	—	10	—	—	10
	Obstretic.	Dr. M. Y. Rawal.	—	29	—	—
Dr. M. S. Bhattacharya.		—	29	—	—	29
Dr. S. S. Seth.		—	28	—	—	28
Dr. M. R. Narvekar.		—	29	—	—	29
Dr. M. A. Deshmukh.		—	29	—	—	29
Dr. I. N. Hinduja.		—	28	—	—	28
Skin & Veneral. Isolation.	Dr. R. J. Fernandes.	16	10	6	—	32
	—	1	1	—	—	7
Orthopaedic.	Dr. L. N. Voral.	20	10	10	—	40
	Dr. A. V. Bavdkar.	20	10	10	—	40
	Dr. R. S. Dhir.	20	10	10	—	40
	Dr. S. K. Bhandare.	20	10	10	—	40
	Dr. M. N. Shahane.	20	10	10	—	40
—	Dr. C. G. Pradhan.	20	10	10	—	40

Department	Head of the Units.	Male	Female	Children	Un-classified.	Total
Aural.	Dr. K. L. Shah.	8	6	10	6	30
	Dr. S. B. Ogale.	8	7	9	6	30
Psychiatric.	Dr. L. P. Shah.	18	8	4	—	30
	Dr. D. R. Doongaji.	18	8	4	—	30
Neuro-Surg.	Dr. S. K. Pandya.	18	10	8	—	36
Neurology.	Dr. P. U. Shah.	22	6	4	—	32
Paed. Med.	Dr. M. D. Shah.	—	—	30	2	32
	Dr. N. B. Kumta.	—	—	30	2	32
	Dr. P. W. Kandoth.	—	—	30	2	32
Paed. Surg.	Dr. R. K. Gandhi.	—	—	40	—	40
Plastic Surg. & Burns.	Dr. K. S. Goleria.	16	14	10	12	52
Thoracic Surg.	Dr. G. B. Parulkar.	18	11	3	—	32
Cardiology.	Dr. P. A. Kale.	16	5	4	—	25
	Dr. A. S. Vengsarkar.	16	5	4	—	25
Chest Clinic.	Dr. S. R. Kamat.	15	12	3	—	30
Urology.	Dr. D. S. Pardanani.	16	9	5	—	30
Drug Trial.	CIBA.	—	—	—	10	10
	CIPLA.	—	—	—	10	10
	UNICHEM.	—	—	—	10	10
		709	561	285	60	1615

APPENDIX-I-A :

Statement showing the distribution of beds according to Wards, Services & Heads.

Ward No.	Service	Name of the Head of the Service.	Unitwise allocation of beds.	Total Scheduled strength of Ward.
1	2	3	4	5
I	Paediatric.	Dr. M. D. Shah.	30	60
	Medical.	Dr. N. B. Kumta.	30	
II	Paediatric Med.	Dr. P. W. Kandoth.	30	60
	Paediatric Surg.	Dr. R. K. Gandhi.	15	
	Psychiatric.	Dr. D. R. Doongaji.	4	
	Psychiatric.	Dr. L. P. Shah.	4	
	Neurology.	Dr. P. U. Shah.	4	
III	Div. of End & Gastroenterology.	Dr. S. D. Bhandarkar.	3	49
	Aural.	Dr. S. K. Mathur.	2	
	Aural.	Dr. K. L. Shah.	10	
	Paed. Surgical.	Dr. S. B. Ogale.	9	
	Urology.	Dr. R. K. Gandhi.	25	
IV	Medical.	Dr. D. S. Pardani.	3	50
	Medical.	Dr. (Smt.) V. N. Acharya.	12	
	Medical.	Dr. G. H. Tilve.	11	
	Medical.	Dr. P. D. Anjaria.	11	
	Div. of End. & Met. Disorders.	Dr. S. D. Bhandarkar.	6	
IV-A	Psychiatric.	Dr. L. P. Shah.	8	50
	Gastroenterities.	Dr. S. R. Naik.	2	
	Medical.	Dr. F. D. Dastur.	10	
	Medical.	Dr. S. G. Dalvi.	11	
	Medical.	Dr. C. P. Dalvi.	11	
	Psychiatric.	Dr. D. R. Doongaji.	8	
V.	Neurology.	Dr. P. U. Shah.	6	48
	Haematology.	Dr. B. C. Mehta.	2	
	C. I. C.	Dr. S. R. Naik.	2	
VI.	Surgical.	Dr. R. D. Bapat.	22	48
	Surgical.	Dr. C. V. Patel.	22	
	G. I. C.	Dr. R. D. Bapat/Dr. S. K. Mathur.	4	
VII	Surgical.	Dr. A. B. Samsi.	20	48
	Surgical.	Dr. S. G. Shenoy.	20	
	Urology.	Dr. D. S. Pardani.	8	
VIII	Surgical.	Dr. S. K. Mathur.	19	54
	Surgical.	Dr. S. D. Deodhar.	19	
	Aural.	Dr. K. L. Shah.	8	
IX	Aural.	Dr. S. B. Ogale.	8	54
	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	
	Surgical.	Dr. S. D. Deodhar.	6	
	Aural.	Dr. K. L. Shah.	6	
Aural.	Dr. S. B. Ogale.	7		
IX	Urology.	Dr. D. S. Pardani.	5	50
	Medical.	Dr. S. G. Dalvi.	20	
	Medical.	Dr. P. D. Anjaria.	20	
	Haematology.	Dr. B. C. Mehta.	10	

APPENDIX I-A (Contd.)

1	2	3	4	5
X.	Psychiatric.	Dr. L. P. Shah.	7	
	Psychiatric.	Dr. Doongaji.	7	54
	Neurosurgery.	Dr. S. K. Pandya.	18	
	Neurology.	Dr. P. U. Shah.	22	
XI.	Medical.	Dr. F. D. Dastur.	20	
	Medical.	Dr. C. P. Dalvi.	20	50
	Div. of End. & Metb.	Dr. S. B. Bhandarkar.	10	
XII.	Medical.	Dr. V. N. Acharya.	20	+
	Medical.	Dr. C. P. Dalvi.	20	50
	G. I. C.	Dr. S. R. Naik.	10	
XIII & XIII-A	Ophthalmic.	Dr. Y. K. Dastur.	30	60
	Ophthalmic.	Dr. S. D. Adrianwalla.	30	
XIV.	Obstretic.	Dr. M. Y. Rawal.	29	
XIV-A	—"	Dr. M. S. Bhattacharya.	29	
L.W.D.	—"	Dr. S. S. Sheth.	28	178
Y.W.W.	—"	Dr. M. R. Narvekar.	29	
P.O.W.	—"	Dr. M. A. Deshmukh.	29	
P.P.S.	—"	Dr. I. N. Hinduja.	28	
	Prematurity :	Dr. M. D. Shah.	2	
	—"	Dr. N. B. Kumta.	2	
	—"	Dr. P. W. Kandoth.	2	
XV.	Gynaec.	Dr. M. Y. Rawal.	10	
	—"	Dr. M. S. Bhattacharya.	10	
	—"	Dr. S. S. Seth.	10	60
	—"	Dr. M. R. Narvekar.	10	
	—"	Dr. M. A. Deshmukh.	10	
	—"	Dr. I. N. Hinduja.	10	
XVI/XVI-A.	Plastic Surg. & Burns.	Dr. K. S. Goleria.	52	52
XVII.	Isolation,	Dr. R. J. Fernandes.	2	38
XVIII.	Skin & Veneral.		32	
	G. I. C.	Dr. S. R. Naik.	4	
XIX.	Psychiatric.	Dr. L. P. Shah.	11	22
	Psychiatric.	Dr. D. R. Doongaji.	11	
XX.	Surgical.	Dr. A. B. Samsi.	4	
	—"	Dr. S. G. Shenoy.	4	10
	—"	Dr. C. V. Patel.	2	
XXI.	Aural.	Dr. K. L. Shah.	6	12
	—"	Dr. S. B. Ogale.	6	
XXII.	Tetanus.	Dr. F. D. Dastur.	24	24
XXIII.	General Surgery.	Dr. R. D. Bapat.	2	
	Gastroenterology.	Dr. S. K. Mathur.	6	16
	Thoracic Surg.	Dr. G. B. Parulkar.	4	
	Thoracic Surg.	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.	Orthopaedic.	Dr. A. V. Bavdekar.	20	40
	—"	Dr. S. K. Bhandare.	20	
XXVI.	Orthopaedic.	Dr. L. N. Vora,	6	
	—"	Dr. C. G. Pradhan.	6	
	—"	Dr. A. V. Bavdekar.	7	40
	—"	Dr. M. N. Shahane.	7	
	—"	Dr. R. S. Dhir.	7	
	—"	Dr. S. K. Bhandare.	7	
XXVII.	Orthopaedic.	Dr. C. G. Pradhan.	20	40
	—"	Dr. R. S. Dhir.	20	

APPENDIX-I-A (Contd.)

1	2	3	4	5
XXVIII.	Orthopaedic.	Dr. L. N. Vora.	20	40
	—"	Dr. M. N. Shahane.	20	
XXIX.	Orthopaedic.	Dr. C. G. Pradhan.	14	
	—"	Dr. R. S. Dhir.	13	40
	—"	Dr. S. K. Bhandare.	13	
XXX.	Orthopaedic.	Dr. L. N. Vora.	14	
	—"	Dr. A. V. Shavdekar.	13	40
	—"	Dr. M. N. Shahane.	13	
XXXI.	Thoracic Surgery.	Dr. G. B. Parulkar.	28	56
	—"	Dr. R. A. Magotra.	28	
XXXII.	Cardiology.	Dr. P. A. Kale.	25	55
	Chest Clinic.	Dr. S. R. Kamat.	30	
XXXIII.	Neuro-surgery.	Dr. S. K. Pandya.	18	18
XXXIV.	A. K. D.	Dr. (Smt.) V. N. Acharya.	18	18
XXXV.	Cardiology.	Dr. D. S. Vengasarkar.	25	25
L.I.C.	Urology.	Dr. D. S. Pardnani.	14	14
M.S.W.	Surgical.	Dr. S. K. Mathur.	5	10
	—"	Dr. S. D. Deodhar.	5	
TOTAL:				1615

APPENDIX-II:

Statement of In-Patients, treated, discharged and deaths according to Department, Sex and Age.

Department	Sex	In the Hospital at the Mid-night of 31-12-1984.	Admitted During the year 1985	Total Treated	Discharged		Died	In the Hospital at the mid-night of 31-12-85.
					Cured	Other wise.		
Medical.	Male	150	8580	8730	6387	711	1443	189
	Female	104	4611	4715	3458	480	689	88
	M/Ch.	3	143	146	95	10	37	4
	F/Ch.	3	104	107	68	15	24	—
Surgical.	Male	132	7390	7522	6607	395	396	124
	Female	46	2322	2368	1794	298	219	57
	M/Ch.	—	85	85	82	—	2	1
	F/Ch.	—	35	35	—	—	—	—
Ophthalmic.	Male.	22	1241	1263	1094	148	1	20
	Female.	9	828	837	765	53	—	19
	M/Ch.	—	94	94	75	19	—	—
	F/Ch.	1	45	46	37	9	—	—
Gynaec. Skin & Veneral.	Female.	66	2596	2661	2570	22	3	68
	Male.	17	222	239	105	119	1	14
	Female.	7	63	70	39	23	3	5
	M/Ch.	—	7	7	4	3	—	—
	F/Ch.	—	4	4	3	1	—	—
Aural.	Male.	15	1047	1062	844	209	1	8
	Female.	4	712	716	550	156	1	9
	M/Ch.	—	292	292	213	78	1	—
	F/Ch.	—	261	261	203	57	1	—
Orthopaedic.	Male.	236	2250	2486	1834	421	69	161
	Female.	92	828	920	603	219	36	62
	M/Ch.	34	590	624	457	131	—	36
	F/Ch.	18	264	282	186	78	—	18
Psychiatric.	Male.	29	1403	1432	632	755	1	44
	Female.	13	407	420	201	209	2	8
	M/Ch.	—	19	19	8	7	—	4
	F/Ch.	—	7	7	2	3	—	2

		1	2	3	4	5	6	7	8	9
Neuro-Surg.	Male.			21	336	357	201	68	52	36
	Female.			10	180	190	133	23	30	4
	M/Ch.			5	93	98	65	21	12	—
	F/Ch.			2	50	52	25	18	8	1
Neurology.	Male.			17	236	253	149	81	6	17
	Female.			5	91	96	46	41	5	4
	M/Ch.			—	34	34	19	14	1	—
	F/Ch.			2	12	14	10	3	1	—
Paed. Med.	M/Ch.			50	1991	2041	1187	432	371	51
	F/Ch.			34	1466	1500	832	369	268	31
Obstretc.	Female.			138	6651	6789	6651	—	30	108
	M/Ch.			—	—	—	—	—	111	—
	F/Ch.			—	—	—	—	—	86	—
Plastic Surg.	Male.			16	238	254	97	139	2	16
	Female.			14	202	216	6	151	51	8
	M/Ch.			32	55	58	20	36	—	2
	F/Ch.			4	48	52	20	29	1	2
Thoracic Surgery.	Male.			19	516	535	241	207	54	33
	Female.			21	397	418	223	131	41	23
	M/Ch.			6	93	99	45	26	26	2
	F/Ch.			5	76	81	36	29	11	5
Paed. Surg.	M/Ch.			38	1673	1711	1214	366	94	37
	F/Ch.			17	754	771	564	146	46	15
G.I.C.	Male.			8	186	194	95	70	23	6
	Female.			4	87	91	71	9	9	2
	M/Ch.			—	2	2	2	—	—	—
	F/Ch.			—	—	—	—	—	—	—
Cardiology.	Male.			20	532	552	356	129	46	21
	Female.			23	277	300	118	146	29	7
	M/Ch.			6	113	119	69	32	15	3
	F/Ch.			1	106	107	82	19	4	2
Div. of Endocrinology & Metb. disorder.	Male.			3	76	79	30	44	5	—
	Female.			6	60	66	18	33	9	6
	M/Ch.			—	4	4	4	—	—	—
	F/Ch.			—	2	2	2	—	—	—
Chest Clinic.	Male.			20	479	499	178	216	86	19
	Female.			10	268	278	111	124	35	8
	M/Ch.			1	11	12	11	—	1	—
	F/Ch.			—	10	10	9	—	1	—
Urology.	Male.			16	465	481	370	89	5	17
	Female.			5	80	85	68	13	2	2
	M/Ch.			—	18	18	17	—	—	1
	F/Ch.			—	2	2	2	—	—	—
Haematology.	Male.			9	139	148	78	46	16	8
	Female.			3	54	57	33	9	12	3
	M/Ch.			—	1	1	1	—	—	—
	F/Ch.			—	3	3	3	—	—	—
Pharmacology.	Male.			12	124	136	89	42	—	5
	Female.			—	16	16	9	6	—	1
	M/Ch.			—	—	—	—	—	—	—
	F/Ch.			—	—	—	—	—	—	—
Total :	Male.			761	25460	26221	19300	3976	2207	738
	Female.			579	20730	21309	17419	2192	1206	492
	M/Ch.			146	5318	5464	3481	1171	671	141
	F/Ch.			87	3249	3336	2078	731	451	76
Grand Total :			1573	54757	56330	42278	8070	4535	1447	

APPENDIX — III.

Statement of Out-patients New O. P. D. & Casualty according to the Departments, Sex during the year 1985.

Department	Casualty cases					New O. P. D. Cases				
	Male	Female	F/Ch.	F/Ch.	Total	Male	Female	M/Ch.	F/Ch.	Total
Medical.	3335	1162	27	31	4555	21544	13249	3	—	34796
Surgical.	7326	1563	36	25	8950	16723	6867	15	7	23632
Ophthalmic.	535	62	22	4	623	9324	5055	895	644	15918
Gynaec.	—	56	—	2	58	—	9631	—	—	9631
Dental.	23	6	4	—	33	4007	3160	624	485	8276
Skin.	27	7	3	2	39	10150	3871	2276	1657	17954
Aural.	293	48	15	13	369	7939	5148	1982	1543	16610
Ortho.	2225	440	116	52	2833	17993	8318	2720	1540	30571
Psychiatric.	35	11	—	1	47	3959	1455	234	132	5780
Neuro-Surg.	19	4	1	1	25	1422	679	315	181	2597
Neurology.	4	1	4	—	9	1358	653	197	119	2327
Paed. Med.	—	—	331	198	529	—	—	5118	3956	9074
Obstetric.	—	49	—	—	49	—	4483	—	—	4483
Diabetic.	4	1	—	—	5	850	323	19	6	898
Plastic Surg.	692	138	36	28	894	271	177	103	80	631
Thoracic Surg.	1	—	1	—	2	1418	1044	336	221	3019
Paed. Surg.	—	—	712	417	1129	—	—	1031	356	987
G.I.C.	1	—	—	—	1	461	227	10	6	706
Cardiology.	5	—	1	—	6	1993	1301	375	270	3939
Endocrinology.	—	—	—	—	—	310	805	20	20	1155
Asthma.	3	—	—	—	3	535	241	28	14	818
Chest Clinic.	11	4	1	—	16	1230	667	148	113	2158
Epilepsy.	—	—	—	—	—	706	315	222	153	1398
Urology.	1	—	—	—	1	765	139	40	25	969
Mun. Staff.	—	—	—	—	—	37	4	1	—	42
Arth. Clinic.	—	—	—	—	—	224	230	15	5	474
Sports Clinic.	—	—	—	—	—	517	80	—	—	597
Haematology.	—	—	—	—	—	61	14	—	—	75
Casualty.	—	—	—	—	—	46854	16502	9397	5403	78156
Dog-Bite.	1	—	—	—	1	3509	1064	1096	453	6122
Sexology.	—	—	—	—	—	300	82	—	—	382
Urinary Stone.	—	—	—	—	—	12	10	—	—	22
Paed. Rheumatology.	—	—	—	—	—	—	—	17	10	27
Paed. Nephrology	—	—	—	—	—	—	—	—	—	—
Sterility	—	—	—	—	—	—	—	—	—	—
Paed Gastro.	—	—	—	—	—	—	—	47	24	71
TOTAL :	14541	3552	1310	774	20177	154172	85812	26884	17427	284295

APPENDIX — IV.

Details of average Cost per In-patient and per Out-patients.

Particular.	1984—85		1985—86	
	In-patient	Out-patient	In-patient	Out-patient
I—Establishment.	66.84	30.13	77.24	29.05
II—Contingencies.	5.53	2.20	2.09	6.00
III—Equipment.	2.37	0.85	1.97	00.76
IV—Drug & Medicine.	22.97	11.58	17.07	17.23
V—Diets.	6.78	—	6.15	—
VI—Stores.	0.67	12.90	1.61	13.17
VII—Repairs & Maint.	7.10	6.96	6.92	6.72
Total :	112.26	64.62	113.05	72.93

APPENDIX—V
RESULTS OF EXAMINATIONS :

Name of the Examinations.	APRIL—1985		OCTOBER—1985.	
	Appeared	Passed	Appeared	Passed.
Ist M.B.B.S.	28	11	211	154
IInd M. B. B. S.	161	141	34	23
IIInd M. B. B. S.	17	10	153	107
F. Y. O. T.	38	25	15	12
S. Y. O. T.	27	14	17	13
T. Y. O. T.	06	06	27	27
F. Y. P. T.	39	29	14	09
S. Y. P. T.	29	23	07	06
T. Y. P. T.	17	14	39	30
M. D. (Medicine & Thera.)	09	03	14	05
M. D. (Obst. & Gyn.)	08	05	19	11
M. D. (Paediatrics)	08	05	18	11
M. D. (T. B. & Chest)	01	—	04	03
M. D. (Skin Diseases).	03	02	02	01
M. D. (Anaesthesia).	06	05	10	07
M. D. (Radio Diagnosis).	02	01	05	05
M. D. (Preventive & Social Medicine)	—	—	02	01
M. D. (Pay. Med.)	01	01	03	03
M. D. (Human Physiology).	—	—	02	02
M. D. (Pathology).	01	—	03	03
M. D. (Microbiology).	01	01	01	01
D. M.				
Neurology.	04	04	01	01
Cardiology.	02	—	01	—
Endocrinology.	—	—	01	—
D. M. LT.	11	07	01	01
D. P. M. Part—I.	05	03	07	06
D. P. M. Part—II.	04	04	03	03
D. M. R. D. I.	03	03	03	03
D. M. R. D.	04	04	03	02
D. A.	13	11	07	07
D. P. H. — I	02	—	05	01
D. P. H. — II	02	—	05	01
D. V. D.	05	04	02	01
M. S.				
Gen. Surg.	08	05	14	09
Orthopaedics.	09	05	15	08
E. N. T.	—	—	04	03
Ophthol	02	01	04	04
Human Anatomy.	01	—	01	01
M. Ch.				
Thoracic Surgery.	02	02	01	01
Plastic Surgery.	01	01	01	01
Paediatric Surgery.	01	01	01	01
Neuro Surgery.	01	—	02	01

APPENDIX — VI
R E S E A R C H

IMMUNOLOGY SECTION :

- (1) Immunological studies in Rheumatic fever (ARF) and Rheumatic Heart Diseases. (RHD).
 - (a) Fe and Complement receptor expression on polymorphonuclear leukocytes in ARF and RHD patients. Topic for M. Sc. degree in applied Biology — MS. Falguni Mody.
 - (b) Poly-morphonuclear leukocyte Functions in ARF and RHD Project was founded by I. C. M. R. and completed in October 1985.
 - (c) Serial studies in immune complex levels in ARF & RHD.
 - (d) Evaluation of anti-cardiac Ig G & Ig M antibodies as possible diagnostic markers in ARF with carditis. Project founded by Science and Technology Cell, Govt. of Maharashtra.
- (2) I. C. M. R. Centre for screening of antenatal sera and characterization of anti-HLA antibodies.
- (3) Evaluation of Pre-albumin and retinual binding protein as early makers of liver cell failure. In collaboration with department of Gastroenterology.
- (4) HLA studies.
 - (i) In Acute Rheumatic Fever & RH. Heart disease.
 - (ii) In Aorto-arteritis.
 - (iii) Family studies in chronic Calcific pancreatitis. Done in collaboration with Trivandrum Medical College.
 - (iv) In responders and non-responders to ICRC vaccination. Done in Collaboration with Cancer Research Institute, Bombay.
 - (v) In acute HBV + ve viral hepatitis. In collaboration with Katurba Hospital.
 - (vi) In chronic HBV + ve liver disease.
- (5) Immunological profile, anti-cardiac and anti-kidney antibodies in acute post streptococcal glomerulonephritis.
- (6) Cord blood IgM in perinatal infections.
- (7) Studies on the broncho-alveolar macrophages in chronic obstructive pulmonary disease. Part of the Bombay-Edinburgh link Project on COPD.
- (8) Evaluation of anticardiac antibodies in normal adults following cardiac surgery.

BIOCHEMISTRY & NUTRITION

- (1) Experimental Cirrhosis & its prevention by choloicine (completed).
- (2) Biochemical studies in seminal plasma/semen in non-fertile and sub-fertile patients.
- (3) Some biochemical studies in detection of carriers of Duchence Muscular Dystrophy.

E. N. T. DEPARTMENT :

Research. Publication. Conference. Workshops. Seminar conducted by the department during the year.

A—The department conducted :—

- (1) IXth Temporal Bone Microsurgery Courses—October 1985.
- (2) IIIrd Workshop on Vidian Nerve Cautery—October 1985.
- (1) **Dr. K. L. Shah :—**
 - Become President AOI—January 1985.
 - Conducted Panel discussion on "Larynx" at Annual conference.
 - Conducted Camp at 'Bidada'—Kutch.
 - Inauguration of Andhra State conference.
- (2) **Dr. S. B. Ogale :—**
 - Presented paper on 'Is Vidian Neurectomy, worthwhile in Maharashtra zonal' coference held at Pune.
 - Jas neem awarded a Commonwealth Medical Fellowship of U. K. for the year 1986.
 - Doing research study on 'Use of Styloid process in tympanoplasty'.
 - Conducted a Stapedectomy camp at Kota (Rajasthan).
 - Appointed as Hon. Treasures of AOI, Bombay Branch.
 - Elected as Governing Body member of ACI.

(3) Dr. M. V. Ingle :-

- Secretary of Association of Otolaryngologist of India.
- (Ex-Officio) Member of Editorial Board of Indian Journal of Otolaryngology.
- Conducted Stapedectomy camp in Shimoga, Calcutta and other places.
- Published papers in Postgraduate Journal of Medicine, K. E. M. Hospital, Bombay.
- Working with Dr. K. L. Shah on 'Laser surgery of Larynx' in E. N. T.'

(4) Dr. M. V. Kirtane :-

- Appointed as Editor of the Proceeding of the International Congress of NES—published by Wisevier publication of Holland.
- Appointed on the Advisory Committee of the Indian Journal of Otolaryngology.
- Conducted ENT camps in various parts of the country mainly rural areas.
- Published several papers in National and International journals.
- Invitation paper in Sympasium on "Occupationa Hazards" at the Annual conference of the IMA (Bombay Branch).

DEPARTMENT OF HAEMATOLOGY :

Department is carrying out research on (i) interaction between nutritinal anemia and thalassemia. (ii) tissue effect of iron deficiency anemia. (iii) leukemia therapy and (iv) hemophilia.

DEPTT. OF MOLECULAR BIOLOGY CELL :

- (a) SAFA test for serodiagnosis of my-cobacterial infactions.
- (b) Detection of Immunological status of RF/RHD cases & their comparison with normal individuals which includes LMT, Anti DNase test, IgG, IgM & O3 levels, circulating complex detection.

DEPARTMENT OF UROLOGY :

- (1) Flow-cytometry Studies of Testicular Tissue for Evaluation of Male Fertility.
- (2) Studies of Urethral Foley Catheters and Their Complications.
- (3) Tropical Urology.
- (4) Hospital Infections including Anaerobic Baterial Infections.
- (5) Reserch Studies under K. E. M. Hospital & Seth G. S. Medical College Research Society.
- (6) Biochemical Studies in Renal Calculous Disease.
- (7) Drug Trials.
- (8) Doppler evaluation of subclinical and clinical vanicocele.
- (9) Anatomical studies of normal variations of the Pelvi-calyceal system of the kidney by preparing resin casts of the kidney.
- (10) Blood volume changes during prostatic surgery by TUR.
- (11) Percutaneous Renal Surgery.

RENAL UNIT & A. K. D. :

- (1) Problems of bacterial infection and their increasing resistance to antimicrobial agents.
- (2) Immunological studies in recurrent urinary tract infection.
- (3) Study of hepatitis-B at its molecular level in patients undergoing dialysis.

DEPARTMENT OF NEUROLOGY :

Research Society project of "Serum Estimation of Diphenylhydantion" in collaboration with department of Pharmacology has ended this year.

DEPARTMENT OF PSYCHIATRY :**(A) Research Projects in Dr. Deengaji's Unit :****(A) Studies in Psychopharmacology on—**

—Lithium Carbonate — Suppiride —Centbutindole.

— Centpropazine — Penfluridol V/S Anatensol.

(B) Studies in Psychometry on—

— FOR projective test.

MMPI test.

(C) Miscellaneous studies on—

— Aggression in Karate

Tardive Dyskinesia.

Immunoglobins in psychiatry.

Reserch Projects in Dr. L. P. Shah's Unit;

- (1) Clinical trial of Alprozolam in Antiety Disorders.
- (2) Clinical trial of Alprazolam in Depressive Disorders.
- (3) Clinical trial of Prothidine V/S Surmontil in Depression.
- (4) Clinical trial of Haloperidol Decoanate as long term antipsychotic.
- (5) Study of panic disorders.
- (6) Epidemeological study of Drug addictions.
- (7) Evaluation of Diazepam, ten mg. slow release capsules.
- (8) Study of personality in Drug-addicts.
- (9) A clinical trial of Trazadone V/S imipramine in depression.

PATHOLOGY DEPARTMENT :

(1) Immunofluorescence and immunoperoxidase detection of herpes virus antigen in smears and tissues from cases with and with out cervical malignancy and dysplasia.

—Dr. Pandit A. A., Pushpa Khilnani
(Research Society KEM Hospital).

(2) Co-worker with Dr. Pushpa Gupte for—

Immunofluorescence studies in vesiculobullous lessions.

—Dr. B. V. Mittal.

(3) Demonstration of Hepatitis B surface antigen in tissue sections by various staining techniques and Comparison of their results.

— Dr. I. M. Vora & Dr. Vadera.

(4) Mucin Histochemistry of Gastro-intestinal lesions.

— Dr. V. Vadera & Dr. I. M.Vora.

DEPARTMENT OF ANATOMY.

- (1) Principles of embryology.
- (2) Death-Design & Definition.
- (3) Principles of Neuroanatomy.
- (4) Principles of genetics.
- (5) Principles of genetics.
defferntation.
- (6) Violence in Medical Science.

Dr. Lopa A. Mehta, Dr. M. L. Kothari.

Dr. M. L. Kothari, Dr. Lopa A. Mehta.

—do—

—do—

(5) Cytoplasm as the basis of cell

—do—

—do—

APPENDIX — VII.
PUBLICATIONS :

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY :

- (1) Can Prostaglandins Vaginal Suppository be an answer to early pregnancy termination. J. ob. Gyn. of India Vol. No. 5, October 1985 pp 855-859.
- (2) Prostaglandins as Menstrual Inducing Agents. Proceedings of joint Symposium by ICMR and WHO on Post-coital, once-a-month agents in Control of Female Fertility, Bangalore, January 1985, page, 191-197.
- (3) Eclampsia-Study of 21 cases. 2nd International Congress on Hypertension, December 1985.
- (4) Non-Surgical Methods for management of missed abortion and foetal death in utero. (under publication).
- (5) Preliminary Experiences with PG AI in severe toxemia of pregnancy. Presented at XIII obst. Gynaec. Conference.
- (6) Perinatal Mortality in Hypertensive Disease of pregnancy. International Conf., on Hypertension, December 1985.
- (7) Perinatal outcome in Antepartum haemorrhage. (under publication).
- (8) Risk Factors in Prematurity. (Under publication).
- (9) Use of Quin. Hydrochloride Pellets for female sterilisation Journal of AMWI.
- (10) Primary health care in obstetrics & Gynaecology—Journal of Rehabilitation in Asia.
- (11) Breast feeding—Journal of AMWI.
- (12) Rheumatoid female—Journal of AMWI.
- (13) Rheumatoid female—I.R.A. Bulletin.
- (14) Ovarian factor in infertility.
- (15) I. C. M. R. Bulletin—Invitro fertilization and embryo transfer.
- (16) Preliminary report—effect of anti. progesterone on endometrium and corpus luteum (Invitro study).
- (17) Text Book—Diagnostic and Therapeutic procedures in Obstetrics and Gynaecology.

SETH DHURUMAL RAJAJ ORTHOPAEDIC CENTRE & RESEARCH INSTITUTE :

(1) Papers presented :

- (a) 'By pass plate—a new method of external fixation of fractures'—Dr. R. S. Dhir—M.S.O.A. conference. February 1986—Akola.
- (b) 'Compressing plating for fracture humerus'—study of 20 cases.—Dr. Shailesh Joshi, Dr. Wagh & Dr. C. G. Pradhan—M.S. O.A.A.—February 1986—Akola.
- (c) 'Posterior approach for total hip replacement (without trochanteric osteotomy) Study of 25 cases—Dr. Bharat Patel & Dr. Jayesh Shah—M. S. O. A.—February 1986—Akola.
- (d) 'Emergency fixation of compound fractures'—A report—Dr. Kiran Manelkar, Dr. Shailesh Joshi, Dr. A. V. Bavadekar.—M.S.O.A. February 1986—Akola.
- (e) 'Jewett plating with cancellous screw fixation for trochanteric fractures'—Dr. S. G. Rao, & Dr. M. N. Shahane.—M.S.O.A.—February 1986—Akola.
- (f) 'Open reduction of malunited monteggia fracture in children'—Dr. S. Y. Bhojraj & Dr. R. S. Dhir.—I.O.A. Conference—November 1985—Calcutta.
- (g) 'New classification of tibial fractures'—Dr. Kiran Manelkar & Dr. A. V. Bavadekar—W.I.R.O.C.—December 1985—at Bombay.
- (h) 'Femoral osteotomy for Perthes' disease'—Late Dr. Pradeep Pandurangi & Dr. S. Y. Bhojraj and Dr. R. S. Dhir—W.I.R.O.C.—December 1985 at Bombay.
- (i) 'Early open reduction for hot, tender massaged elbows'—(with myositis ossificans)—a report.—Dr. Jayesh Shah & Dr. Bharat R. Patel—W.I.R.O.C. December 1985—at Bombay.
- (j) 'Management of unstable fractures of dorso—lumber spine'—Dr. R. S. Dhir, & Dr. S. Y. Bhojraj—Staff Society Meeting of K. E. M. Hospital—October 1985—at M. O. T., K. E. M. Hospital, Bombay.

Papers Published :

- 'Anterior Cruciate reconstruction'—Dr. R. S. Dhir & Dr. Ramesh Nayak—Indian Journal of Orthopaedics—April 1986.

DEPARTMENT OF UROLOGY :

- (1) Pardanani D. B. & Shah A. B. An indigenous Foley Balloon Catheter : Structural, Bacteriological, Toxicological and Clinical Studies Indian Journal Surgery. 47 :113-122, February 1985.
- (2) Parulkar B. G., Sobti M. K. and Pardanani D. S. Dextanomer Dressing in the Treatment of Infected Wounds and Cutaneous Ulcers. J. Postgrad. Med. 31 : 28-33, 1985.

RENAL UNIT & ARTIFICIAL KIDNEY DIVISION :

Increase bacterial resistance on urinary pathogens and the effect of combining clavulonic acid in decreasing its resistance at the Annual Conference of the Indian Society of Clinical Pharmacology and Therapeutics.—by Dr. V. N. Acharya.

Others papers which were at the Annual Conference of Indian Society of Nephrology included :

- (a) Acute Renal Failure in a surgical setting.
- (b) Haemolytic Uraemic—a clinicopathological study.
- (c) Glomerulonephritis—Presenting as acute renal failure.

Dr. Allan Almeida participated on a symposium on "Nephrotic Syndrome" and talked on nephrotic syndrome due to systemic disease.

Dr. V. N. Acharya presented her observations on medical survey of Bhopal Gas Victims at the 40th Annual meeting of the Association of Physicians of India.

The following papers have been published by the members of the staff during the year.

- (1) Prognosis of acute renal failure in Pediatrics.
- (2) Editorial commentary on Autonomic dysfunction in uraemia.
- (3) Acute renal failure in pediatric population in the tropics.
- (4) Comparative efficacy and safety of Sisomycin and Gentamycin in urinary tract infection.

DEPARTMENT OF PSYCHIATRY :

(1) Psychotherapy based upon Hindu Philosophy—Dr. M. D. Parikh Read at the CME programme of 37th annual Conference of Indian Psychiatric Society in January 1985 at Vishakhapatnam.

(2) 'Need for spiritual consideration in Psychiatry'—Dr. M. D. Parikh. Read at the above mentioned conference.

(3) Etiopathogenesis of Psychiatric illnesses—A totalistic view point —Dr. M. D. Parikh. Read at the world congress of community psychiatry in January 1985, at Bombay.

PATHOLOGY DEPARTMENT :

1. Early observation on pulmonary change and clinical morbidity due to the isocyanate gas leak at Bhopal.—Dr. S. G. Kinare. J. Post—graduate Medicine. 31 : 63—72 : 1985.

2. Endomyocardial fibrosis—Proceedings of the meeting on E. M. F. organised by ICMR —edited by Dr. S. G. Kinare.

3. Polyarteritis nodosa—Dr. S. G. Kinare. J. Post—graduate medicine, 31 : 206—9 : 1985.

4. Clinical and diagnostic features of pulmonary valve endocarditis in the setting of congenital cardiac malformations—Dr. S. G. Kinare, International Journal of Cardiology, 9 : 457—64 : 1985.

5. Cardiomyopathies—Dr. S. G. Kinare, Indian Heart Journal, October 1985.

6. Ansent pulmonary valve.—Indian Heart Journal—October 1985 Dr. S. G. Kinare.

7. Acute renal failure in paediatric population of tropics—Dr. S. G. Kinare, J. Post—graduate Medicine, 31 : 134—39 : 1985.

8. Visitis Nodosa.

9. Inflammatory fibroid polypileum—Pathological diagnosis.—Dr. S. G. Kinare, F. P. Candes, V. D. Vadera, — Jr. of Applied Medicine, February 1985, Vol. II No. 2. 125—126.

10. Renal involvement in haematological malignancies—U. B. Khanna. A. F. Almeida, M. G. Bhivandkar, B. V. Shah, B. V. Mittal, S. G. Kinare, V. N. Acharya, J. A. P. I., Vol. 33, 568—568, 1985.

11. Polyarteritis nodosa—an autopsy study. B. V. Mittal, S. G. Kinare, K. S. Mayekar. J. Post—Grad. Med. 31, 183—186, 1985.

12. Renal involvement in snake bite (vipendal group), a study of 27 cases (1971-86) accepted for publication I. J. MR. December 1985. B. V. Mittal, S. G. Kinare, V. N. Acharya.

13. Pathologic diagnosis—a case of wegene's granulomatosis accepted for publication Jr. of Applied Medicine, December 1985. Dr. S. G. Kinare and Dr. B. V. Mittal.

14. Biliateral cystosarcoma phylloides with osteogenic sarcomatous stroma—A case report with review of literature.—Dr. A. A. Pandit, I. M. Vora, S. G. Shenoy, A. N. Gurjar, J. Post Grad. Med. 31 : 215—216, 1985.

15. Leiomyoma—Oesophagus. Pathological diagnosis. — Dr. S. G. Kinare, I. M. Vora, Varsha Vadera. Jr. of Applied Medicine, November, 1985 Volume II No. 1, 741—742.

16. Plasma cell granuloma Comments—Pathological diagnosis, Dr. S. R. Khubchandani, Dr. S. G. Kinare. Jr. Applied Medicine, January, 1985 Volume II No. 1, 57—58.

17. Study of cytology in Intrauterine devise Copper—Tusers' Deshmukh S. S., Pandit A. A., Algota K. M. The Jr. of Obste and Gynaecol. of India, 35(4), August 1985.

18. Fibroadenoma with squamous metaplasia' accepted for publication in Indian Jr. of Cancer, December 1985 Issue Pandit A. A., & Deshpande R. B.

DEPARTMENT OF MOLECULAR BIOLOGY CELL.

1. "Bacteriocine Presution in Salmonella" J.Postgrad. Med. Vol. 31(1985) PP. 46—51.— Pathankar C. V. & Joshi Leela.
2. "Typing of Pseudomonas aerugionosa on the Basis of Law & Hing-h Molecular Weight Aeruginocins". I. J. M. R., 1985 by S. R. Pai & Leela Joshi.
3. "Rapapport's broth : a better enrichment medium for the identification of Salmonella from processed frog lege". Paper accepted for publication : J. Fish Technology Vo. 22(1985).—Rahgopalan, D., Deshpande C. K. & Joshi Leela.

DEPARTMENT OF PATHOLOGY :

1. Dr. N. A. Decosta and Dr. S. G. Kinare,—Profile of Lung carcinoma in surgical pathology material. Presented at meeting of Maharashtra chapter of Indian association of Pathologists held at Sholapur in August 1985.
2. Dr. Mayekar, De. Deshpande and Dr. Kinare "Bicuspid Aortic valve Presented at annual meeting of the Indian association of pathologists and microbiology held in Udaipur in October 1985.
3. Dr. S. G. Kinare—Invited talk on etic pathology of Aortoarteritis at 2nd international meeting on hypertension held in Bombay in December 1985.
4. Abnormal Polymorphonuclear leukocyte functions in acute Rheumatic fever. SITA NAIK, Swati Jambotkar & Dr. S. G. Kinare at the XI Annual Conference of the Indian Immunology Society, Hydrabad, 3, 4, 5, January 1985.
5. Detection of anticardiac antibodies in serum from Rhematic heart disease patients using the ELISA technique.

Padma Shastry, Sita Naik, M. A. Joshi, P. W. Kandoth, J. R. Kacraath Dr. S. G. Kinare.
at the XII Annual confecence of Indian Immunology society.

DEPARTMENT OF PAEDIATRICS. :

Unit—I :

Dr. N. B. Kumta :

1. Congenital Limb Defects—Indian Padiatrics 1985 : 22 : 107-112—February 1985.
2. Orofacial Digital Syndrom OFD Type I—Indian Jr. of Paediatrics—April 1985.
3. Pompe's Diseases—Indian Padiatrics 1985 22 : 315-317—April 1985.
4. Congenital Myasthenia Gravis—Jr. of Postgraduate Medicine 1985 : 31(2) 109-111.
5. Limb Heart Syndrome—Indian Padiatrics 1985 : 22 : 315-317 April 1985.
6. Genetics of Congenital Dwarfism—Ind. J. Of Padiatrics 1985 : 52 : 345-347.
7. Cranifacial Malformation—Indian Padiatrics 1985 : 22 : 411-414 June 1985.
8. Ankyloplepharon Fiiiform Adnatun—November 1985.
9. Polymositis with overlap syndrome—J. of postgrad. med. 1986 : 32(1).

Dr. B. A. Bharucha :

- (1) Congenital Limb Defects—February 1985.
- (2) Neonatal Tetanus—Psychomotor Development in Survivors. February 1985.
- (3) Pompe's Disease—April 1985.
- (4) Limb Heart Syndromes—May 1985.
- (5) Craniofacial Malformations—June 1985.
- (6) Ankyloblepharon Filiforma Adnatum—Published in November—December 1985.

Dr. S. F. Irani :

- (1) Medical Survey of Bhopal Children Affected Nu MIC at Bhopal Journal of Postgraduate Medicine.
- (2) Neonatal Jaundice updage—Indian Journal of Paediatrics.

UNIT—II :

Dr. M. D. Shah :

- (1) Golden Har Sundrome—Vidya Kulkarni, M. D. Shah and Aparna Parikh.

UNIT—III :

Dr. J. R. Kamat :

- (1) Urinary LDH in UTI and other kidney diseases—XXII National Conf. of I. A. P., Trivendrum, November 1985.

Dr. K. R. Lahiri :

- (1) Clinical Profile of Rheumatic Fever. A study of 168 cases. J. Tropical paediatrics. 31 : 273, 1985.
- (2) Congenital Generalise Lipodystrophy (case report). The Medical and Surgical Journal. XXV, 15-17, JULY 1985.
- (3) Problems faced by parents/relatives after hospitalisation. The Med. & Surg. Journal. accepted.

APPENDIX — VIII

SETH DHURMAL BAJAJ ORTHOPAEDIC CENTRE AND RESEARCH INSTITUTE

Foreign 'Academic' Tours :

- (1) Dr. A. V. Bavadekar presented the Guest Lecture on 'Conservative management in bone tumours' at the Bone Tumour Conference organized by the Postgraduate Association—London—September 1985.
- (2) Dr. M. N. Shahane visited Davos—Switzerland for the Advanced AO Course in January 1986.
- (3) Dr. S. K. Bhandare visited U. S. A., U. K. & Canada in December 1985.
- (4) Dr. L. N. Vora and Dr. B. R. Patel attended American Academy of Orthopaedic Surgeons' meeting—U.S.A.—March 1986.

DEPARTMENT OF UROLOGY :

- (1) "Optical Urethrotomy"—395th Meeting of Staff Society of G. S. Medical College, Bombay.—D. S. Pardanani, S. V. Punekar & M. K. Sobti.
- (2) "Foley Catheter : Structural Properties and Related complications XIX Annual Conference of the Urological Society of India, Ooty, 30 August to 1 September 1985.—D. S. Pardanani, A. B. Shah, R. S. Shah, S. R. Shah & S. P. Purohit.
- (3) "Deoxyribonucleic Acid Flow Cytometry of Testicular Biopsies". XIX Annual Conference of the Urological Society of India, Ooty, 30 August to September 1st, 1985.—B. G. Parulkar, D. S. Pardanani, R. S. Shah, S. P. Nene, D. S. Joshi, Emily Selvai & K. Sundarm.
- (4) "Urethroplasty for stricture urethra". XIX Annual Conference of the Urological Society of India, Ooty, 30 August to 1st September 1985.
- (5) "Male Sexual Dysfunction : A clinical study". 7th World Congress of Sexology, New Delhi 4-8 November 1985.—D.S. Pardanani, B. G. Parulkar, & R. S. Shah.
- (6) "Investigating Male Sexual Dysfunction". 7th World Congress of Sexology, New Delhi, 4-8 November 1985.
- (7) "Evaluation of Sexual Dysfunction on Diabetic Males". 7th World congress of Sexology, New Delhi, 4-8 November 1985.—B. G. Parulkar, D. S. Pardanani & R. S. Shah.
- (8) "Pheochromocytoma—A Clinical Experience of 17th cases". 2nd International Conference on Hypertension, Bombay, 7-8 December 1985.—D. S. Pardanani.
- (9) "Biomedical Aids in the Investigation of Male Sexual Dysfunctions". XI All Indian Symposium on Biomedical Engineering, Bombay. 15-17 December 1985.—D.S. Pardanani, B. G. Parulkar, R. S. Shah & S. P. Purohit.
- (10) "Kidney Transplantation". XXXVI Annual Conference of Anaesthesiologists, K. E. M. Hospital, Parel, Bombay. 26th December 1985.—D. S. Pardanani.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

Dr. Usha Krishna :

- (1) Invited Speaker—XI All India Symposium on Anaerobic Infection, 22nd November 1985.
- (2) Surat obst. Gyn. Society, 6th October 1985. conducted workshop on Place and Principles of Foetal Monitoring at Government Medical College.
- (3) National Symposium on Neonatal Jaundice An update. Prediction of Severity of RHD HDN in cases of amniotic fluid examination. J. Wadia Hospital for children, Bombay—14th September 1985.
- (4) Menstrual Induction by prostaglandins and Anti-implantation drugs, Bombay Obst., Gynaec. Society. February—1985.
- (5) Ahmedabad Ob. Gyn. Society February 1985, WHO-ICMR Symposium, on Electronic Foetal Monitoring Participated—
- (6) Postgraduate Training Course, Bombay Obst. Gynaec. Society and National Academy of Science from 23rd August 1985 to 1st September 1985.
- (7) Symposium International Congress on Hypertension. Bombay 8th December 1985.
- (8) Panel Discussion 'Amenorrhoea' Bombay Obst. Gynaec. Society, June, 8, 9, 1985.

Dr. S. S. Sheth :

- (1) Attended Workshop on Laser Surgery in Gynaecology at the Workmen's Health Group Hospital, Nashville, U. S. A. in February 1985.
- (2) Attended Ultrasonography Training Workshop for Physicians in Obstetrics & Gynaecology at the University of California, San Diego Medical Center, U. S. A. March 1985.
- (3) Attended Chorion Biopsy Sessions at the King's College School of Medicine, London, March 1985.

Dr. I. N. Hinduja :

- (1) International Congress—Anaerobic Infection, attended in November 1985, Bombay.
- (2) All India Congress of Obst. & Gynaec, Bombay.

Dr. M. S. Bhattacharya :

- (1) Attended 29th All India Obst. & Gynaec Conference in December 1985.
- (2) Delivered a Guest Lecture on Prevention of pregnancy induced by-pertension in Bombay Obst. & Gynaec. Society.

Dr. K. A. Adarkar :

- (1) Attended XIII Annual Conference Bombay Obst. & Gynaec Society.
- (2) Asian Conference of All India Medical Womens Association.
- (3) Advances in Biological Basis of Medicine.
- (4) XXXIV All India Obst. & Gynaec Conference.
- (5) XIV Annual Conference Indian Association of Physical Medicine and Rehabilitation Poona.

Paper Read :

- (6) High Risk Pregnancy—Foetal demise—XIII Annual Cong., of Bombay Ob. & Gyn.
- (7) Health for all Strategies—Asian Cong., of All Indian Medical Woemns Association.
- (8) Role of Obstetrician & Gynecologist in Management of Female Rheumatoid XIV Annual Conf. Indian Ass. of Physical Medicine Rehabilitation.

DEPARTMENT OF PSYCHIATRY :

—'A controlled study of psychological status of Schizophrenic's children'—a paper read by Dr. Veena Mehendiratta at West Zone conference of Indian Psychiatric Society.

—Dr. L. P. Shah presented his views on Depression at the continued Medical education programme at the above mentioned conference.

—Dr. P. V. Pradhan presented his paper 'Comparative study of efficacy of psychopharmacology and psychotherapy in Neurotic Depression' in the same conference.

—Dr. P. V. Pradhan presented. 'Symptomatology and psychosocial stressors in Neurotic Depression : A study of 66 cases' in 37th Annual Conference of Indian Psychiatric Society at Vishakhattanam.

DEPARTMENT OF NEUROLOGY :

- (1) Dr. P. U. Shah and Dr. N. E. Bharucha participated in Neurocology meeting.
- (2) Update in Neurosenences '85-This conference was organised under the joint auspices of National Academy of Medical Science and K. E. M. Hospital in February 1985 for 2 days. It was very well attended and appreciated.

DEPARTMENT OF NEUROSURGERY :

(a) Dr. Anil D. Desai visited the National Institute for Mental Health and Neurological Sciences, New Delhi, as examiner for the D. M. Neurology examination.

(b) Dr. S. K. Pandya visited King George Medical College and Mahatma Gandhi Memorial Hospital, Lucknow as examiner for the M. Ch. Neurosurgery degree in May and October.

(c) Dr. R. D. Nagpal was the consultant neurosurgeon at a diagnostic camp help in Rajkot. Saurashtra in June. He also talked on the **Surgery of Pituitary Tumors** addressing the local branch of the Indian Medical Association.

(d) Dr. S. K. Pandya was invited to deliver a talk on the **Hindu Philosophy on pain** at the **Symposium on pain** at the inaugural meeting of the **Academia Furasiana Neruochirurgica** held in Bonn Germany from 25 to 28 September. He also used this opportunity to visit the following neurosurgical centres :

- (1) Neurochirurgischen Abteilung, Eberhard-Karls-Universitat, Tubingen (Prof. Dr. Ernst H. Grote).
- (2) Neurochirurgische Lkinik, Kankenhaus Nordstadt Hannover (Prof. Dr. Madjid Sami).
- (3) Neurochirurgische Lkinik, Universitatsspital, Zurich (Prof. Dr. M. G. Yasargil).
- (4) Department of Neurosurgery, Regional Neurological Centre, Newcastle General Hospital, Newcastle (Dr. R. P. Sengupta).
- (5) Department of Neurosurgery, Frenchay Hospital, Bristal (Dr. Huw Griffith).

These visits were possible through the kindness and courtesy of Prof. Dr. H. W. Pia, Prof. Dr. Ernst Grote, The British Council Division of the British Deputy High Commission and the Mahindra Foundation.

DEPARTMENT OF PAEDIATRICS :

(1) The M. P. Bhagat Memorial Oration for 1985, was delivered by Professor John Dobbng, Dept. of Child Health, Medical School, Oxford, Manchesher, U. K. on the 22nd March 1985.

Subject : "Early Nutrition and Later Achievement" Prof. Dobbng was among the 40 delegates to the closed workshop on Prevention of Mental Handicap.

(2) Professor John Davis of Department of Pediatrics, Clinical School, University of Cambridge visited the department and PRL in December 1985. He delivered a lecture on "Psychosomatic Pediatrics".

APPENDIX — IX

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY.

RESEARCH (PROJECTS) :

1. Endometrial Aspiration by locally made metal Cannula. Research Society Project.
2. Perinatal Infection-Research Society Project.
3. Monthly Net Injection—ICMR.
4. Triquilar and Oral combination pills—ICMR.
5. Augmentary effect of sulprostone on Ethacridine Lactate for induction of 2nd trimester MTP—ICMR.
6. Cervical Vaginal Ring.—ICMR.
7. PG 1 for severe pre-eclampsia—ICMR.
8. PGE2 gel v/s. placebo for cervical ripening —ICMR.
9. PGE2 Gel for menstrual regulation. —ICMR.
10. 9 Methylene PGE2 for menstrual regulation —ICMR.
11. PGE2 Tabsl v/s Oxytocin for induction of labour —ICMR.
12. Ultrasound growth parameter—ICMR.
13. Use of subbapneic doses of gallamine for laparoscopy.
14. Assessment of Glycero 150 hemolysis method for estimating fetomaternal hemorrhage.
15. Role of Perinatal Infections in Perinatal Morbidity and Mortality in India.
16. Study of antihypertensive drugs and coagulation factors in pregnancy with hypertension cases.
17. Invitro Fertilization and Embryo transfer.
18. Hyper Prolactinemia.
19. Electron microscopic study of oocyte corpus luteum.
20. Progesterone receptor in endometrium and myometrium.

DEPARTMENT OF NEUROSURGERY :

(a) Dr. S. K. Pandya participated in the symposium on Cervico-brachial pain organised by the Bombay branch of the Indian Association of Physiotherapists on 17th February.

(b) Dr. R. D. Nagpal talked on Surgery of pituitary tumors with special emphasis on transphenoidal approach at the Update in Neurosciences, Seth G. S. Medical College on 23rd February.

(c) Dr. A. P. Karapurkar talked on Craniosynostosis at the Update in Neurosciences, Seth G. S. Medical College on 27th November.

(d) Dr. S. K. Pandya talked on William Withering and digitalis at the Symposium on 'Whither digitalis?' at the Topiwala National Medical College on 23rd November.

(e) Dr. S. K. Pandya talked on the minimisation of damage to the brain at the C. M. E. programme at the annual conference of the Indian Association of Anesthetists held in Bombay on 26th December.

DEPARTMENT OF PAEDIATRICS :

1. Pre-Congress Workshop on Prevention of Mental Handicapp—March 19-21, 1985 at Taj Intercontinental.

Sponsored — Commonwealth Associations for Mental Handicap. & Developmental Disabilities (CAMHDD), U. K. NIMHANS, Bangalore.—Department of Paediatrics, K. E. M. Hospital. Aided by—UNICEF, ICMR, D.S.T., U.G.C., British Council.

Attendance : closed workshop for 40 National & International delegates—eminent experts in field of mental handicap for 2 days, followed by one day open session for observers which numbered 32 comprising pediatricians, neurologist, paramedical personnel from institutions for the mentally handicapped.

2. National Workshop on Prevention of Mortality & Morbidity due to respiratory diseases in our child population October, 11-13, 1985.

Sponsors : Dept., of Pediatrics, K. E. M. Hospital, I. C. M. R., DST, UGC, Lyka Laboratories.

Attendance : Attended by about 150 pediatricians and chest medicine specialist all over Indian.

Aims & Objectives : To formulate a set of recommendations to reduce morbidity & mortality from childhood respiratory diseases with special reference to tuberculosis, bronchial asthma, viral respiratory disorders, pneumonias and congenital malformations of the respiratory tract.

Conveners : Dr. M. D. Shah, Hon. Professor. Dr. P. W. Kandoth —Professor of Pediatrics.

Unit —III :

1. Member of the organising committee—Reduction of Mortality and morbidity of Respiratory Disorders in Children, at K. E. M. Hospital, Bombay —October 1985.
 2. Attended Maharashtra conference of I. A. P. at Mahabaleshwar. (6th Regional Conference) November 1985.
 3. Attended the Seminar on Neonatal Jaundice held at Bai Jerbai Wadia Hospital for Children.
 4. Attended the Seminar on Update in Cardiology held at Nair Hospital.
- Member of the Executive Board of Bombay Branch of Indian Academy of Paediatrics.

WORKSHOPS/SYMPOSIA/SEMINARS/CONFERENCES :

Unit : I

Dr. N. B. Kumta :

(1) March 1985 : **Convenor**—Workshop on prevention of mental Handicap sponsored by Commonwealth foundation, I.C.M.R. D.S.T., U.G.C., UNICEF, British Council.

(2) **October 1985 :** National workshop on prevention of mortality and morbidity due to respiratory diseases in children—participated as Advisor. Sponsored by I.C.M.R., D.S.T., U.G.C., Lyka Labs.

Dr. B. A. Bharucha :

(1) Organised as Co-convenor and participated in International Workshop on "Prevention of Mental Handicap in Developing Countries sponsored by Commonwealth foundation, U. K., Bombay March 1985.

(2) Invited as Speaker on "Exchange Transfusion in Hemolytic Diseases of the Newborn" at National Symposium on Recent Advances in Blood Transfusion Techniques : 28-29 November 1985.

Dr. S. F. Irani :

(1) Workshop in anaesthesia at Seth G. S. Medical College read paper on Respiratory Distress in Newborn.

(2) National conference of Anaesthesia held at Seth G. S. Medical College read on "Effect of M. I. C. on children".

(3) Workshop on Paediatric Nursing held at J. J. Hospital read a paper on "Day to Day Care of the Newborn.

(4) National Neonatology Conference held at Calcutta—"Nutrition in Low Birth Weight Babies".

(5) National Conference of Obstetricians and Gynecologist held at Bombay—"Preterm, Term Labour and its Outcome".

RESEARCH : Infections in Newborn" in collaboration with Obstetric dept.

Unit —II :

(1) Keynote address : Lung functions in respiratory disorders in children : delivered at the WHO Workshop and Consultancy on acute and chronic Respiratory Disorders in childhood and infancy between 29th and 31st March, 1985 at Calcutta.

(2) Participated as a panel member in panel discussion on Tuberculosis of lung in infants and children, at the W.H.O. Workshop and consultancy on acute and chronic respiratory disorder in children and infancy between 29th and 31st March 1985 at Calcutta.

(3) Participated as a panel member in panel discussion on Asthma in Children at the WHO. Workshop and Consultancy on acute and chronic Respiratory Disorders in Childhood and Infancy between 29th and 31st March 1985 at Calcutta.

(4) Comparative evaluation of different chemotherapeutic regimens in childhood pulmonary tuberculosis. M. D. Shah, Vidya Kulkarni, Preeti Patel, R. Carg and Smita Maniar. Paper read at the National Workshop on Reduction of mortality and morbidity from respiratory disorders in our child population jointly sponsored by LAP, Dept., of Pediatrics of Seth G. S. Medical College and Lyka Laboratories held in Bombay from G. S. Medical College and Lyka Laboratories held in Bombay from 11th to 13th October 1985.

(5) Evaluation of indirect Coomb's test and Anderson's method in the diagnosis and assessment of severity of 'ABO' incompatibility M. D. Shah, Indu Shah and S. C. Gupte. Paper read at the 22nd Annual Conference of IAP, Trivandrum, November 1985.

Unit : III :**Dr. P. W. Kandoth : Paper Read.**

Immunoglobulin Profile in Rheumatic fever.

XXIInd National Conference of Indian Academy of Pediatrics Trivandrum 1985.**Molecular Biology Cell :**

National Symposia was arranged by our department on 28th February' 1st March in K. E. M. Hospital.

1. "Update in Streptococcal Infections and Their Sequelae".
2. "Plasmids in Medical Microbiology".

Presentations in Conferences :

(1) "Autotransferable Drug Resistance Studies in Proteus". —Sathe M. J., Joshi Leela, Bapat R. D. Presented at the VIIIth National Congress of Indian Association of Medical Microbiologists." January 17th, 19th, 1985 at Hyderabad.

(2) "Combination effect of Penicillin + Aminoglycoside against resistant strains of pseudomonas aeruginosa".

—Pai S. R. & Joshi Leela. Presented at Hyderabad during 8th National Congress of Indian Association of Medical Microbiologists in January 1985.

(3) "ELISA —An Aid In Early Diagnosis of Genitourinary Tuberculosis". Maniar P. N. & Joshi Leela. Presented at IXth Annual Congress of Indian Association of Medical Microbiologists at Varansi in November 1985.

DEPARTMENT OF PATHOLOGY :

I. 34th Conference of Indian Association of Pathologists & Microbiologist held on 24—28 October, 1985 at Udaipur.

1. Rectal biopsies in ulcerative colitis —A study of 27 cases—Dr. I. M. Vora.
2. Participated in a paper presentation—Nodular regenerative hyperplasia of the liver—pathological profile—A combined 4 teaching hospital cases—Dr. I. M. Vora.
3. Bicuspid Aortic Valves—Dr. K. S. Mayakar, Dr. S. G. Kinare.
4. Delivered a Lecture on "Nonneoplastic lesions of central nervous system" at the Teaching Sessions—Dr. A. P. Desai.
5. Malignant Hypertension—Clinicopathological study of 43 cases. Dr. B. V. Mittal, A. F. Almeida.
6. Acute renal failure in a surgical setting. —U. B. Khanna, A. F. Almeida, B. V. Mittal, V. N. Acharya.
7. Glomerulonephritis presenting as acute renal failure — U. B. Khanna, A. F. Almeida, B. V. Mittal, V. N. Acharya.
8. Symposium Secondary nephrotic syndrome (except Diabetes) — A. F. Almeida, B. V. Mittal, U. B. Khanna, N. M. Dedhia, V. N. Acharya.
9. Attended & Chaired conference session—Dr. S. G. Kinare.

II. Regional Conference of I.A.P.M. in Sholapur, 1985.

1. Carcinoma of Lung —Surgical pathology experience. —Dr. N. D. D'costa, Dr. S. G. Kinare.

III. Ind International Conference on hypertension. Oetio-pathogenesis of Nonspecific aorto-arteritis. — Dr. S. G. Kinare.

IV. "Differentiating Medulloblastoma" — A light microscopic and ultrastructural study—at the Midterm conference of Neurological society of India—IV Paediatric Neurosurgery Meeting on Brain tumours in childhood held on 10th & 11th August, 1985 at Hyderabad—Dr. A. P. Desai.

V. "Vascular lesions in Tuberculous meningitis" at the "Update in Neurology held on 22nd & 23rd February 1985 at K. E. M. Hospital—Dr. A. P. Desai.

VI. "Two unusual cases of Dementia" in the Neurology meeting held on 17th November, 1985 at K. E. M. Hospital.

VII. Attended & chaired conference session —Dr. S. G. Kinare National symposium on recent advances in blood transfusion held in Bombay.

International society of Heart research foundation —satellite meeting held in Bombay.

International conference on biological basis of medicine and advance in biotechnology, Bombay.

VIII. "Prevalence of Wright Group In Western Indian & Correlation of Blood group to Malaria —Dr. P. G. Saudagar. National symposium on Recent Advance in Blood Transfusion held at K. E. M. Hospital, Bombay.

DEPARTMENT OF GASTROENTEROLOGY.

The Department had some distinguished visitors this year. Dr. B. N. Tandon, Professor and Head, Department of Gastroenterology and Human Nutrition, All India Institute of Medical Sciences, New Delhi visited the Department in September 1985. He was the chief discussant of a clinicopathological conference on a rare and interesting case of primary sclerosing cholangitis. The discussion was lucid and largely acclaimed.

DEPARTMENT OF PAEDIATRIC—SURGERY.

1. Attended Conference of INDIAN ACADEMY OF PEDIATRICS—TRIVANDRUM. Dr. (Mrs.) S. S. Deshmukh Convenor of Plenary Session on "RECENT ADVANCES IN PEDIATRIC ONCOLOGY" Dr. R. K. Gandhi gave a talk of "ROLE OF M. C. I. IN MEDICAL EDUCATION".

2. Dr. R. K. Gandhi, Dr. (Mrs.) S. S. Deshmukh, Dr. V. M. Rege, Dr. N. S. Nanavati and Dr. S. B. Mane attended the 45th Annual Conference of A.S.I. at Bangalore.

Dr. R. K. Gandhi gave a talk on "FUTURE OF PEDIATRIC SURGERY".

Dr. (Mrs.) S. S. Deshmukh the Convenor of a Symposium "MEGAURETER".

Dr. Nanavat presented the paper on : "BLUNT ABDOMINAL TRAUMA IN CHILDREN".

DR. S. B. Mane presented the paper on : "INDICATIONS FOR REVISION OF V—SHUNTS".

Dr. V. M. Rege presented the paper on : "AMNIOTIC GRAFT IN THE MANAGEMENT OF BURNS IN CHILDREN".

3. Dr. R. K. Gandhi, Dr. (Mrs.) S. S. Deshmukh, Dr. Nanavati, Dr. M. S. Farouqi attended the midterm conference of IAPS at Hyderabad.

Dr. Nanavati presented the paper on : "MANAGEMENT OF SEVERE HEAD INJURIES IN CHILDREN".

Dr. (Mrs.) S. S. Deshmukh participated in the symposium of Ectopia Vesicae.

4. The Department organised a Workshop on "PEDIATRIC ANAESTHESIA" which was inaugurated by Mr. Amarnath Patil, Chairman of the Standing Committee.

5. Dr. (Mrs.) S. S. Deshmukh was invited as BPEAKER for the workshop on "INTENSIVE CARE" at Delhi.

6. Dr. (Mrs.) S. S. Deshmukh was appointed as an inspector by M. C. I. to inspect the Mysore Medical College.

DEPARTMENT OF MICROBIOLOGY :

1. "Ind All India Symposium on Anaerobic Infection in Man" at Seth G. S. Medical College & K. E. M. Hospital. on November 26th & 27th held by Department of Microbiology.

2. "Common Wealth Conference"—attended by Dr. A. P. Mehta-Reader, dept., of Microbiology in 1985 at London.

DEPARTMENT OF PHYSIOLOGY :

Dr. S. J. Kashalikar attended Annual National Conference of APPI in Calcutta on 27th December 1985, 28th December 1985 and 29th December and a paper coauthored was read.

Dr. J. B. Rane has read a paper in "A Comparative study of the absolute Eosinophil Count in full term and premature infants at birth and at the end of one month of life."

DEPARTMENT OF ANATOMY :

Dr. M. B. Indurkar, Professor of Anatomy has participated in the following symposium.

1. Gait analysis & monetary system at All India Institute of Physical Medicine and Rehabilitation, Bombay, 1985. sponsored by W.H.O.

2. Workshop on Student evaluation in Medical Education at L. T. M. M. College. Sponsored by P. G. Institute, Chandigarh.

3. Participated Internation conference on Biological Basis of Medicine & Technological advice at Seth G. S. Medical College. January 1986.

APPENDIX - X:

List of Operations performed in the Cardio Vascular and Thoracic

1) CABG	10
2) CABG + MVR.	1
3) CABG + AVR.	1
4) Complex Cong. heart.	2
5) Correction of Ebstein's Anomaly.	3
6) Intracardiac repair of TOF.	28
7) Open Mitral Commissurotomy.	199
8) Closure of VSD.	33
9) Pulm. Valvotomy + Closure of ASD.	7
10) Closure of ASD.	85
11) MVR.	100
12) Mitral valve repair.	3
13) Open Mitral Commissurotomy after. Restenosis.	13
14) MVR for ReMS + MR.	5
15) AVR.	42
16) A -AVR with Root widening.	1
17) MVR + Tricuspid Valvotomy.	1
18) AVR + O.MC.	26
19) AVR + OMC with previous OMC.	2
20) Pulm. Valvotomy.	12
21) AVR + MVR.	15
22) OMC + Tricuspid Annuloplasty.	1
23) Correction of Lutern Bascher Syndrome.	4
24) Closure of VSD with AVR.	3
25) Closure of ASD + VSD.	1
26) Closure of Rupture Sinus of Valsalva.	1
27) Correction of TAPVD.	2
28) Excision of LA Myxoma.	3
29) Closure of ASD + PDA.	1
30) Closed Mitral Commissurotomy.	189
31) BT Shunt.	32
32) Coarctation of aorta (Patch aortoplasty).	5
33) PDA + Patch aortoplasty.	1
34) PDA Closure.	45
35) Pericardial drainage.	3
36) Pericardiectomy.	6
37) Pulm. artery handing.	2
38) CMC in Pregnancy.	3
39) Pneumonectomy.	14
40) Lobectomy.	22
41) Open lung biopsy.	6
42) Thymectomy.	4
43) Excision of Mediastionopleural mass.	2
44) Embolectomy (Femoral).	39
45) Femoral artery reconstruction.	2
46) Aorto-femoral bypass.	5
47) Carotid Endarterectomy.	2
48) Iliac renal pypass.	2
49) Cervical Sympathectomy with rib excision.	9
50) Excision of axillary aneurysm.	1
51) Excision of subclavian aneurysm.	1
52) Iliac artery aneurysm.	1
53) Subclavian carotid bypass.	2
54) Excision of brachial artery aneurysm.	2
55) Radic-cephatic fistula construction.	19
56) A. V. R. + Closure of P.D.A.	1

Total :	1,025
Open Heart Surgery :	606

APPENDIX - XI

Sr. No.	Description of Activity.	Unit of O.P.D.	Measurement Indoor.	Actual 1984-85 patients.	Budget Estimates 1985-86 Patients.	Revised Budget Estimates 1985-86 Patients.	Budget Estimates 1986-87 Patients.
1	2	3	4	5	6	7	8
1.	Medical.	107	40	43275	45000	47766	49000
2.	Surgical.	80	31	30694	32000	31714	33000
3.	Ophthalmic.	52	7	14717	17000	17062	18000
4.	Gynaec. & Obst.	45	31	22027	24000	22580	24000
5.	Dental.	25	—	7790	12000	8124	10000
6.	Skin & Ven.	90	1	16519	20000	18398	20000
7.	Aural.	55	5	16561	20000	19618	21000
8.	Orthopaedic.	94	10	32567	30000	34026	35000
9.	Psychiatric.	21	6	5620	6000	7676	8000
10.	Neurosurgery.	8	1	2916	3000	2960	3200
11.	Neurology.	21	5	2783	2000	2728	3000
12.	Paed. Med. & Surgical.	31	19	14344	15000	16348	18000
13.	Div. End. & Metb. Disorder.	9	1	1497	2000	2160	2400
14.	Plastic Surgery.	16	14	1038	1500	1014	1200
15.	Thoracic Surgery.	14	4	3528	4000	3918	4000
16.	G. I. C.	33	7	582	1000	882	1000
17.	Cardiology.	35	12	4863	5000	4390	5000
18.	Epilepsy.	29	—	1281	1500	1394	1500
19.	Chest Clinic.	29	10	2192	2500	2764	3000
20.	Urology.	24	11	1211	1500	1640	1800
21.	Arthrities.	9	—	373	500	458	500
22.	Sports Clinic.	12	—	458	500	582	700
23.	Haematology.	—	3	180	500	324	500
24.	Casualty.	223	—	75191	85000	77846	80000
25.	Dogbite.	23	—	3257	—	6684	7000
26.	Sexology.	8	—	56	—	306	500
27.	Drugtrial.	—	1	294	400	132	400
28.	Immunisation.	9	—	3327	2500	2224	2500
29.	Pharmacy Dept. (Including Indoor & O.P.D.).	1118	—	385000	315000	354484	360000
30.	Blood Bank.	53	—	8313	13500	16700	17000
31.	Pre-mature baby.	1	—	330	300	446	500
32.	P. T. School.	68	—	23000	23000	18748	20000
33.	O. T. School.	42	—	200000	20000	11248	12000
34.	Radiology.	294	—	200000	200000	111632	120000
35.	Path. & Bacteriology.	295	—	300000	300000	88308	100000
36.	Biochemistry.	305	—	90000	100000	92582	100000
37.	Dispensary Service.	—	—	—	—	—	—
38.	Speech Department.	Reflected in Aural Department.					
39.	Asthama.	Reflected in Chest Unit.					
40.	Diabetic.	Reflected in Endocrinology. Department.					
41.	Vascular Clinic.	Reflected in Thoracic Surgery Department.					
42.	Observation of T. B. Cases.	Reflected in Medicine Department.					
43.	A. K. D.	Reflected in Medicine Department.					
44.	Mobile Health Unit.	Reflected such Unit is existence in this institution.					

**BAI YAMUNABAI L. NAIR CHARITABLE HOSPITAL
AND
TOPIWALA NATIONAL MEDICAL COLLEGE.**

BOMBAY — 400 008.

Administrative Staff :—

Dean :

Dr. B. R. Kalke, M. B. (Bom.), M.S., F.C.P.S., F.I.C.A., Phd., (U.S.A.) held the post of Dean till 30th November 1985.

Dr. (Mrs.) V. M. Divekar, B.Sc., M.B.B.S., D.A. (Lond.), M.D. (Bom.) was appointed as a Dean on Charge Allowance from 2nd December 1985 to 20th February 1986. Dr. (Mrs.) P. M. Pai, M.D., D.Ch. Prof. and Head of the Department of Paediatric was appointed as a Dean from 21st February 1986.

Assistant Dean :

Dr. (Mrs.) P. G. Hiranandani, M.B.B.S., M.R.S.H. (Eng.), F.I.C.A. (U.S.A.) held the post of Assistant Dean.

Sr. Assistant Medical Officer :

Dr. (Smt.) N. Dixit, M.D.

Assistant Engineer :

Shri R. R. Phanse from 1st December 1984.

Administrative Officer :—

Shri A. S. Lele, B.A. (Sp.), 1st L.L.B., L.S.G.D., L.G.H.

HIGH LIGHT :

Hospitals :—

1. Total expenditure including liabilities.	Rs. 7,50,324.00
2. Donations received.	Rs. 2,29,365.00
3. Amount collected from boxes.	Rs. 5,785.00
4. Amount spent from the fund for the poor patients.	Rs. 7,50,324.00

Indoor Patients :—

Beds	...850.	In-patients	35956
Daily average number of patients.			935.07
Highest number of admission on a single day.			159
Highest number of Inpatients on a single day.			1096
Number of patients discharged during the year including 914 brought from the previous year.			34100
Cured.			19060
Otherwise.			15040
Average stay of patient.			9.5 days
Average cost per in-patient.			Rs. 79.98
Average cost per out-patient.			Rs. 16.56
Deaths :-			
Within 24 hours of admission.			612
After 24 hours but within 72 hours of admission.			230
Exceeding 3 days.			1019
		Total	1861

Operations :-

Indoor patients. 11150

Autopsies :-

Post mortem done. 893

Deliveries :-

1. Confinements. 3097

2. Deliveries. 2471

3. Maternal deaths. 3

4. Medical Termination of pregnancy. 383

5. Sterilization (Female). 543

6. Sterilization (Male). 55

7. Baby deaths : Full term. 39

Premature. 110

8. Baby still births : Full term. 25

Premature. 25

Out Patient Department :-

1. O. P. D. New Attendance. 181095

2. O. P. D. Old Attendance. 745136

Total **926231**

3. Daily average O. P. D. new attendance.	597.67
4. Casualty attendance.	19784
5. Daily O. P. D. attendance (Old + New).	3056.87
6. Highest No. of attendance on a single day.	3455

Court Cases Attended by R. M. Os. :-

1. Presidency Magistrate's Court.	630
2. Sessions Court.	165
3. Motor Accident Tribunal.	92

Paying Bed Scheme :-

The paying bed scheme has started functioning from 18th July 1977 in the side section of Ward 17 for female patients and Ward 20 and 21 for male patients. 356 patients had taken the advantage of the paying beds during the year 1985.

Intensive Paediatric Care Unit :-

An Intensive Paediatric Care Unit started functioning from 1st August 1977 in a special and separate section of the Paediatric Ward. The Intensive Paediatric Care Unit admit actually ill children in need of continuous observation. It is equipped with all the monitoring and resuscitative equipment.

A Registrar and a Staff Nurse are posted for round the clock duty. Mortality rate has been declining after the commissioning of the specialised unit. During the year 1985 265 children were admitted in the unit.

Medical Acute Care Unit :-

The department of Medicine established a separate Medical Acute Care Unit with 12 beds which started functioning from March 1978 onwards. These beds are housed in a single ward with pooled in equipment which include Respirators, E. C. G. Machine, X-ray unit etc. All the critically sick patients are isolated in this section and observed under the supervision of trained staff. Medical and Nursing, Round the clock service is provided with post-graduate qualified doctors in attendance. 717 patients were treated in this section.

**B. Y. L. NAIR CHARITABLE HOSPITAL
AND
TOPIWALA NATIONAL MEDICAL COLLEGE.**

Bai Yaminabai L. Nair Charitable Hospital continued to render Medical Relief to the sick and Topiwala National Medical College imparted Medical Education to the student, as usual.

Dr. B. R. Kalke, M.B. (Bom.), M.S., F.C.P.S., F.I.C.A., Phd. (U.S.A.) held the post of Dean till 30th November 1985. Dr. (Mrs.) V. M. Divekar, B.Sc., M.B.B.S., D.A. (Lond.), M.D. (Bom.) was appointed as a Dean on Charge Allowance from 2nd December 1985 to 20th February 1986. Dr. (Mrs.) P. M. Pai, M.D., D.Ch., Prof. and Head of the Department of the Paediatric was appointed as a Dean from 21st February 1986.

Dr. (Mrs.) P. G. Hiranandani, M.B.B.S., M.R.S.H. (Eng.), F.I.C.A. (U.S.A.), held the post of Assistant Dean.

Dr. (Smt.) N. Dixit, M. D. held the post of Sr. Assistant Medical Officer.

Shri R. R. Phanse, held the post of Assistant Engineer, from 1st December 1984.

SCOPE OF ACTIVITIES :

The hospital has been progressively expanding to include various new specialities. Apart from the well established department of General Medicine, General Surgery, Obstetrics and Gynaecology, Psychiatry, Paediatrics, Anaesthesiology, E. N. T., Orthopaedic, Radiology, Tuberculosis, Ophthalmology, Dermatology and Venereology, there are also the Specialised departments of Cardiology, Cardio-Thoracic Surgery, Neuro-surgery, Plastic Surgery, Genito-Urinary Surgery, Nephrology, Gastroenterology (Medical & Surgical), Haematology, Endocrinology, Rheumatology and Collagen Disease, Neo-natology, Paediatric Surgery, Head and Neck Surgery and the department of Neurosciences which is approved by W. H. O. for research and training in stroke and tropical diseases. Besides this, special out-patient clinics are being conducted in the hospital, namely Thyroid, Renal, Diabetes, Premature and New Born Care, Hypertension, Asthma, Abortion, High Risk Pregnancy, Sterility, Glaucoma and Squints, Anaesthesia Assessment and A School Clinic.

Special units for hospitalised patients have been developed like Intensive Care Units (Medical and Surgical for Cardiac Patients) and Medical Acute Care Unit. Also there is Intensive Paediatric Care Unit (I.P. C. U.). There is a special family Planning Centre, and a most modern Speech Therapy and Audiology Clinic and department which is also a training school affiliated to the University of Bombay and probably the only one of its kind in India. There are also well established departments of Pharmacy, Physiotherapy, Occupational Therapy, Social Service and Medical Records.

The hospital has an immunization centre and growth and development clinic established by the Department of Preventive and Social Medicine. This department also carries out several Health educational programme in the community and have developed several audio-visuals and sound slide shows on various aspects of health which are regularly screened in the slums of the city.

The hospital has an eye bank and full equipped Blood Bank which functions on voluntary donations of blood by relatives of patients and members of the public.

ANATOMY DEPARTMENT :

New pattern of dissection programme is introduced for undergraduate study.

Research in Histochemistry projects with the help of Dr. E. J. DeSouza, Professor Emeritus.

DEPARTMENT OF MICROBIOLOGY :

'Vi Serology in the detection of salmonella carriers amongst the foodhandlers in Bombay' — paper presented by Miss. Unnati Vasa at the National Seminar on Enteric Fever held at Kasturba Hospital, Bombay in November 1985, won first prize.

'Salmonella meningitis in children' — paper presented by Mrs. Manita Williamson, Lecturer in Microbiology at the National Seminar on Enteric Fever held at Kasturba Hospital, Bombay in November 1985, won Third Prize.

Pictorial, write up and other display box of current developments in the field of medical microbiology and related topics. For the information of undergraduates and others interested in the ever developing field of Medical Microbiology and Infectious Diseases.

DEPARTMENT OF BIOCHEMISTRY :

Two candidates Shri Patel K. L. and Smt. Merchant P. C. have been honoured with doctorate degree of Bombay University in the subject of Biochemistry under the guidance of Dr. (Smt.) J. J. Engineer.

BLOOD BANK :

Better technique employed for testing Australia Antigen in voluntary blood donors. Previously being done by counter immuno electrophoretic method. Now being done by the Reverse passive Haem-agglutination method, which is a more sensitive method.

Switch over of anticoagulant from acid citrate dextrose to citrate phosphate dextrose in the bleeding bottles. This anticoagulant preserves the blood for a longer period of time i.e. 28 days.

Number of outdoor drives held from April 1985 to March 1986 are 76.

Total No. of bottles collected in outdoor blood collection drives is 4634.

Total No. of bottles collected (Both outdoor and indoor collection) is 6298.

DEPARTMENT OF FORENSIC MEDICINE :

The department of Forensic Medicine was recognised for training of candidates for post-graduate diploma in Forensic Medicine and the first candidate enrolled after recognition passed his D. F. M. Examination in October 1985. Thus the department of Forensic Medicine at T. N. Medical College became the only department recognised for post-graduate studies in all the three municipal medical colleges. Dr. R. S. Choudhari — Tutor was the first (and so far the only) municipal employee to get his D. F. M.

Dr. (Mrs.) V. V. Apte, Prof & Head Department of Forensic Medicine was the joint organising Secretary of the VIII All India Annual Conference of Indian Academy of Forensic Medicine held at Bombay in February 1986 and was in-charge of all the science programme including paper presentation sessions and symposia on topics like 'Drug abuse, Social Justice through Forensic Medicine, Crime and Media' with participation of invited speakers.

ENDOCRINOLOGY DEPARTMENT :

Dr. S. M. Shahani, Hon. Professor of Endocrinology was invited participant at 4th World Conference in I. V. F. at Melbourne Australia and chaired session on Endocrinology of I. V. F. October 1985.

As I. C. M. R. grant of Rs. 2,00,000 was received in January 1986 by Dr. S. M. Shahani, Hon. Prof. and Head of Endocrinology to conduct phase — I, Human Clinical trial on Anti HCG vaccine.

New studies on Immunological techniques used in cases of Male Infertility were carried out.

DEPARTMENT OF ANAESTHESIOLOGY :

The Department of Anaesthesiology is providing anaesthesia services to all surgical Specialities, Obstetric & Gynaecology, Ophthalmology, Psychiatry, Radiology, Cardiology, Medical Acute Care, Paediatric Acute Care, Surgical Intensive Care, Preoperative /assessment, Pain Clinic and Anaesthesia service to the Nair Dental College. The Department also provides pulmonary function tests to Surgical Cases. The recovery ward has an admission rate of 24 cases a day approximately.

Dr. (Mrs.) V. M. Divekar, Prof. and Head of Department of Anaesthesiology has been elected unanimously as President of the Indian Society of Anaesthetists for 1986.

Dr. (Mrs.) Divekar, Prof. and Head of Department of Anaesthesiology was awarded a fellowship for a Traumatology meet at Lund Sweden September 1985.

Dr. (Mrs.) Panchal has been selected for the common weath Senior fellowship.

DEPARTMENT OF CARDIOLOGY :

Six articles were published in International Journals like International Journal of Cardiology, American Heart Journal, Journal of Cardiovascular Ultrasonography and Clinical Cardiology. Many articles were published in Indian Journals and presented in several conference.

ARTIFICIAL KIDNEY DEPARTMENT :

This department started functioning in January 1982 with 4 machines. 854 Haemodialysis and 70 Peritoneal dialysis were done during the year 1985-86.

MENTAL HEALTH CARE OF SCHOOL CHILDREN :

A special clinic has been set up in the department of Psychiatry which looks after the mental health care problems of the Municipal School Children.

WORKSHOP FOR THE REHABILITATION OF THE HANDICAPPED :

A well equipped workshop for handicapped patients requiring rehabilitation has also recently been set up. Patients are given training in envelope making, purse making, assembling forms of R. T. O. etc.

DEPARTMENT OF GASTROENTEROLOGY :

The department continues to provide specialised service such as ERCP, Colonoscopy, Peritoneoscopy and guided biopsy etc. to patients from different hospitals in Bombay.

DEPARTMENT OF MEDICAL SOCIAL WORKER :

The following are the details about the departmental activities of Department of Medical Social Work held in 1985-86 is as under : —

Month and Year.	Activities held.
January 1985.	: Get-together arranged with the donors and the cancer patients treated in Nair Hospital.
January 1985.	: Therapeutic group counselling for the Alcoholics & their family members was started.
April 1985.	: World health day celebration of Alcoholic group activities for the year 1985 by presenting cured cases away from drinking alcohol.
August 1985.	: A get together arranged of the donors and the doctors to get the information about the disease and the treatment.
November 1985.	: Diwali celebration for the patients Recreation programme for the patients. Gifts and sweets distributed.
January 1986.	: An Informal group gathering of the different individual donors and trustees of the charitable trusts arranged.

NATIONAL CENTRE OF NEUROSCIENCE :

The C. T. Scan installed at the National Centre for Neuroscience in the Nair Hospital facilitates quick diagnosis without using invasive techniques.

With the co-operation of the medical association of C and D Ward Medical practitioners and Sir H. N. Hospital and under the guidance of Dr. P. M. Dalal I/c. National Centre for Neuroscience, the Corporation has initiated community screening survey on hypertension (Modern silent killer for a STROKE and coronary heart disease). This unique study has attracted world wide attention.

C. T. Scan :— The second shift operation is started in a phased manner previously from 9 a.m. to 4 p.m. on week days and on Saturday, 9 a.m. to 12.30 Now 9 a.m. to 7 p.m. on week days and 9 a.m. to 3 p.m. on Saturday.

The total number of C. T. Scans (Brain) done during the last year (Mar. 1985 — Mar. — 1986) was 2209 which yielded to the Corporation exchequer a revenue of Rs. 10,78,400/- (Rupees ten lacs, seventy eight thousand, four hundred only).

E. E. G. :— This is a public paid facility. The EEGs done during the year March 1985 — March 1986 were 588 which fetched an income of Rs. 35,280/- (Rupees thirty five thousand, two hundred eighty only).

A public paid facility for monitoring the serum levels of anti epileptics like Phenobarbitone, Diphenyl hydantoin, Ethosuximide, Carbamazepine and Valproic acid is been developed and which will be made available for better management of epileptic patients in near future.

Plans are underway for developing Radio-immuno assay (RIA) facility to carry out measurements of platelet factor I. V., beta Thromboglobulins and other platelets parameters in relevant patients.

Prof. James Lance from Australia visited the Neuroscience Laboratory in November 1985. He has highly appreciated the research and clinical activities being carried out at the Neuroscience Laboratory.

E. N. T. DEPARTMENT :

The department conducted the workshop on 'Brain Stem Evoked Response Audiometry' when more than 50 E. N. T. Surgeons and Audiologists attended. The workshop consist of lectures, demonstration and discussion.

The Department have started the facility of Brain Stem Evoked response Audiometry from February 1986. This is a unique investigation and this is the only department amongst all the Municipal Corporation Hospitals having this facility. This facility helps in diagnosing the deafness even in new born and helps diagnosis of early acoustic neuromas.

Dr. A. G. Pusalkar, Prof. and Head of the Department of E. N. T. and A. S. T. was invited to participate in the Head & Neck workshop organised by University of Mainz, West Germany and also received training in the microvascular techniques and cosmetic nose surgery in Marien Hospitals, Stuttgart, West Germany from middle of April till end of June 1985.

Dr. N. L. Hiranandani, Hon. E. N. T. Surgeon and Hon. Prof. of E. N. T. was invited to chair session in the International Congress of Otolaryngologist held at Miami-Florida, U. S. A. in the month of May 1985.

Dr. (Smt.) J. P. Dabholkar, Lecturer in E. N. T. received scholarship and went to the United States and was trained in Memorial Sloan-Kattering Cancer Institutue, Newyork.

Follow up O. P. D. for Head and Neck Cancer Cases.

Dr. R. Vaidyanathan, Asstt. Prof. of Linguistics, was awarded Doctorate (Ph. D.) in Linguistics by the University of Bombay in February 1985 for the thesis entitled "Verbal environment in early language acquisition."

Mr. G. B. Gore, Asstt. Prof. of Speech Pathology went to Denmark and West Germany for training in Brain Stem Evoked response audiometry.

In October 1985, 33 Deaf students with 4 teachers participated in the Education Camp at Mahabaleshwar, sponsored by Rotary Club of Bombay.

Few Deaf students participated in sports organised by Bombay North Round Table No. 19 at University ground and succeeded by awarding two Gold Medals and four Silver medals, 15 consolation prizes and prizes in the drawing competition also.

Two more classes are added to Nana Chowk Deaf Classes for teaching the deaf children.

DEPARTMENT OF PEDIATRICS :

Dr. (Mrs.) P. M. Pai, Prof. and Head of the Department of Paediatrics is selected and appointed as Dean of Topiwala National Medical College and B. Y. L. Nair Ch. Hospital from 21st February 1986.

Under the auspices of the Golden Jubilee Foundation the Department organized a Conference "Challenges in Paediatric Cardiology in September 1985. Eminent Cariologists, Cardiovascular Surgeons participated. Dr. (Mrs.) P. M. Pai, Prof. & Head of the Department of Paediatric was the convenor.

DEPARTMENT OF PLASTIC SURGERY :

Dr. Ashok Shah, Lecturer received best paper award for his paper on "Tangential Excision of Keloid" at XIth National Conference of Indian Society of Surgery of Hand, held in February 1985.

DEPARTMENT OF OPHTHALMOLOGY :

Dr. (Mrs.) G. Murthy, Prof. & Head of Ophthalmology Department was on deputation for Argon Laser machine (Training) at Madras, Sankar Netralaya for a period of 15 days in June 1985.

Following Eye Check-up camps conduced by Department of Ophthalmology on 8th, 9th, 15th and 16th March 1986 (Slums of Worli, Shantinagar, Tardeo and Nagpada) with good response. Operations were performed at Nair Hospital of these patients.

Mobile Ophthalmic van to render Ophthalmic services to slums of Greater Bombay was inaugurated on W.H.O. day at Cheeta Camp. The van works 5 days a week covering the slums of Cheeta Camp, Deonar and Bal Kalyan Kendra.

HYPERBARIC CHAMBER :

Hyperbaric Chamber at Kasturba Hospital which started functioning from 5-11-1983. During this year a total of 3650 sittings were given to the patients.

PHYSIO THERAPY DEPARTMENT :

Physiotherapists treat all the patients referred to them from different department. Electromyography is done regularly here. Patients are referred from other municipal hospital also. Evoked potential studies are also done.

OCCUPATIONAL THERAPY DEPARTMENT :

Occupational Therapy Department of this college and hospital is under expansion whereas several sections like Day-care unit cum sheltered workshop, splinting section, Printing unit have been functioning and expanding alongwith regular treatment of Occupational Therapy in various field of Medicine to the benefits of Indoor and Outdoor patients of this institution.

Department of Occupational Therapy of this Institution is recognised for postgraduates course in the subject by University of Bombay therefore post-graduate students have been registered under the guidance of Shri A. S. Khullodkar who is Head of the Department and recognised post-graduate teacher by University of Bombay.

For undergraduate students, Head of the Department of this institution visits the Occupational Therapy School and Centre attached to Seth G. S. Medical College & K. E. M. Hospital for delivering lectures for undergraduates.

DEPARTMENT OF PREVENTIVE & SOCIAL MEDICINE :

Vocational Guidance, exhibition and talks for the youths were organised at Shahaji Nagar Urban Health Centre.

T. N. Medical College was selected for inclusion in Universal immunisation programme launched by the Central Government on 19th November 1985. The department launched the programme by organising several immunisation camps with the help of medical students and interns at M. P. Mill Compound, Tulsiwadi and Shahajinagar.

Adult education programme in collaboration with Bombay University was started for the residents of Shivajinagar and Shahajinagar slum communities.

Vocational training programme was started for the youth at the Shahajinagar Urban Health Centre.

A training programme for MP&SW on immunisation was organised at Shahajinagar urban health centres.

Staff members of the department actively participated in quarterly workshop on "Out-reach services" involving health posts organised by the health department of Bombay Municipal Corporation in collaboration with institute of Child Health London.

PHARMACY DEPARTMENT :

Mrs. S. S. Pandit, Superintendent of Pharmacy is nominated as member by the Central Government, Ministry of Health and family welfare on the Pharmacy Council of India.

DEPARTMENT OF RESPIRATORY DISEASES :

This department is one of the few centres selected by "the Tuberculosis Association of India" from all over India for assisting it in 4 research projects, as detailed below, which is actively going on since the last two years.

A study of Cervical Lymphadenitis, including lymph node culture study.

Short-term Chemotherapy Trial involving the use of RIF + INH + PZA in sterilization phase and INH + Thiacetazone in the continuation phase.

Fate of Refusal for Surgery for pulmonary Tuberculosis.

Prevalence of Diabetes among pulmonary tuberculosis patients.

EXPANSION PROGRAMME :

Due to repair of the Annexe Building the following wards are shifted to the following hospitals :—

Orthopaedic Male and Female Ward	: Kasturba Hospital.
Gynaec. and Obst. Wards.	: Kamathipura Maternity Home. Now renamed as Extension, B.Y.L. Nair Ch. Hospital, Gynaec. and Obst. Department, Kamathipura.
Skin and Ophthalmic Wards.	: Dr. Bhajekar Hospital.
T. B. Ward.	: T. B. Hospital, Sewri.

The new hospital complex of Ground + 2 floors will accommodate all the regular and Specialised Out Patients Departments and clinics, Registration, Dispensary and Casualty.

I.C.C.U. alongwith Cardiac Cath. Unit, Minor Operation Theatre with Observation Ward, will also be shifted to this new complex.

X-ray Units which will cater to the O. P. D. Requirements will also be made available.

Pharmacy Department and Blood Bank will also be shifted.

The places thus vacated will be suitably utilised.

1. DEPARTMENT OF MEDICINE :

The department of Medicine consists of six general medical units. Three are full-time and three are part-time. In addition medicine department conducts various speciality clinics, like Renal, Rheumatology, Diabetes, Asthma and Hypertension. There is a well organised medical acute care unit which is unique in its organisation. Recently one member from the department [Dr. (Mrs.) S. A. Kamath] is attending to medical problems in pregnancy.

The department is involved in U. G. and P. G. teaching for M. B. B. S. and M. D. (Br. I). Additionally, teaching is carried out for dental (B. D. S.), Audiology and Speech Therapy, M. SC., O. T. and P. T., and Nursing Students. U. G. teaching involves lectures, tutorials and bed side clinics, P. G. teaching concerns lectures, guest lectures, seminars, clinical meetings, clinico-pathological conferences, and clinics. All the teaching activities are carried out regularly.

Medicine department managed the affairs of Bombay Branch of API in 1984-85. Apart from quarterly meeting an annual conference (the first under the API Bombay Branch) was held in 1985. It may be noted that the Nair Hospital Medicine Department was the initiator of Bombay branch of API some fifteen years back.

Departmental members have been associated with activities of many academic bodies like API, Ultrasound Society of India, Cardiology Society of India, Indian Rheumatism Association, Diabetes Association, Indian Society for clinical Pharmacology, National Council on Hypertension and have held prominent and important positions. They have also contributed by presenting papers, chairing sessions participating in symposia and C. M. E. programmes, in National and International Conferences. Many papers have been published in the Scientific Journals. Dr. (Mrs.) N. E. Borges was awarded the Boots Best Paper Award in the Annual Conference of IRA. Dr. V. R. Joshi was invited and participated in the V International Congress of Rheumatology at Sydney and post congress workshop on education.

The departmental members have contributed significantly to medical books. Dr. V. R. Joshi and Dr. P. J. Mehta are co-editor of a text-book of Medical Therapeutics. He is also on the editorial board of Journal of Association of Physicians of India. Dr. P. J. Mehta has been active in editing various medical writings. He is secretary of Jour. Asso. Physicians India and executive editor of Therapeutics and Aushadhi.

The members have been active in education of general physicians and lay public. They have held exhibitions (Diabetes Clinic under Dr. K. D. Nihalani) as well as have been invited to general practitioners meetings to speak on various subjects.

2. DEPARTMENT OF SURGERY :

Department of Surgery consists of a full-time and 2 partime units.

3. DEPARTMENT OF PAEDIATRICS :

The department of Paediatrics continued to work with one full time and one part time unit.

INDOOR SERVICES :

Paediatric Ward	: Bed Strength	...	51
	Total Admission	...	2497
	Total Deaths	...	240
Intensive Paediatric Care Unit :			
	Bed Strength	...	6
	Admissions.	...	265
	Deaths	...	128
Neonatal Ward	: Bed Strength	...	55
	Total deliveries	...	2459
	Total (Fullterm)	...	
	Baby Deaths	...	39
Premature Nursery :			
	Bed Strength	...	6
	Total admission	...	131
	Deaths	...	110
Transferred Babies : Sick neonates transferred from peripheral maternity homes			
	No. of babies.	...	223
	Deaths.	...	74

OUT PATIENT DEPARTMENT SERVICES :

The Paediatric O. P. D. is conducted on all working days of the week.

Total new cases. ... 18359

Special Care O. P. D. is conducted thrice a week for the patients needing long term follow up.

Total patient visits. ... 1059

Neonatal O.P.D. and Premature follow up O.P.D. : Conducted twice a week.

No. of babies followed up. ... 978

Old babies visits. ... 1486

Recreation Therapy Centre : All the ambulatory patients from the paediatric ward are sent to recreation therapy centre where they are given play materials appropriate for their age and books.

Total No. attended. ... 875

School Clinic : Works for 5 days in a week.

	New cases.	Old cases.	Total.
Primary	2458	14593	17051
Secondary.	302	615	917

Child Guidance Clinic : conducted on all the days of the week.

New cases	...	...	512
Old cases	...	...	533
Total	...	...	1045

PERIPHERAL MATERNITY HOMES :

Victoria Paediatric Centre :

	Ist	Revisits	Total
Clinic Attendance :			
Infant	...	19	92
Toddler	...	14	198
Others	...	123	54
			500

Home visits.	...	376
Immunisation : Measles	...	33
B. C. G.	...	1757

Imamwada Maternity Home :

Total admission	...	885
Total deliveries	...	620
Live births male	...	308
Live births female.	...	304
Prematured	...	18
Immunisation : B. C. G.	...	615

Mahim Maternity Home :

Immunisation : B.C.G., Triple, Polio, Measles.	...	2059
Milk Distribution.	...	15
		children daily.

Kasturba Hospital :

Dr. (Mrs.) P. M. Pai, Professor & Head Department of Paediatrics continue to visit Kasturba Hospital twice a week.

TEACHING ACTIVITIES :

Undergraduate Students : Lecture series and Clinical posting in the ward.

Postgraduate teaching : Clinics, Weekly conference, Monthly Seminar, Intercollegiate meeting for M. D. (Paediatrics) students.

Nursing Students : Series of 30 lectures once a year.

B.Sc. (Audiology & Speech Therapy) : Series of 40 lectures per year.

Student Social Workers, M.A. Students (applied psychology) have attended training sessions at Child Guidance Clinic.

4. DEPARTMENT OF GYNAEC. AND OBSTETRIC :

Department of Gynaec. and Obstetric consists of 3 Units, one full time and two units under Hon. Professor and Asstt. Professor. Each unit functions twice a week.

5. DEPARTMENT OF ANAESTHESIOLOGY :

The department runs the anaesthesia services fully or partly at the following institutions viz., B. Y. L. Nair Hospital, Bhajekar Hospital, Kasturba, E. N. T. Hospital (Fort), Bandra, Bhabha Hospital, Rajawadi Hospital and Nair Dental Hospital.

The number of anaesthetics administered in the year 1985 at B. Y. L. Nair Hospital is as follows :—

Cardiac Surgery	165
Neurosurgery	332
General Surgery	2556
E. N. T.	1155
Gynaec (Kamathipura Hospital).	2472
Ortho. (Kasturba Hospital).	1847
Ophthalmic	71
Radiology	164
Cardiac Cath.	119
E. C. T.	5484
Emergency	730
Recovery	2953
Plastic Surgery	199
Anaesthesia Assesment Clinic.	611

18758

Anaesthesia outpatient department (No. 35) for assesment of patients for surgery.

Pain clinic for chronic pain and an acupuncture clinic is to be started.

Acute Respiratory Care services to Medical, Paediatric and Surgical departments.

Laboratory for Pulmonary Function Tests and Blood gas Analysis and Blood Glucose estimations.

6. DEPARTMENT OF NEUROLOGY :

The O. P. D. functions twice a week on Tuesday and Thursday.

1. Total O. P. D. patients : (Male—706, Female—301)	1007
2. Total Indoor patients : (Male—252, Female—115)	367
3. Referred cases : Neurology Ref.	179
C. T. Scan Ref.	201
4. Carotid Angiogram.	37
5. Mylograms.	35
6. V. B. Angiograms.	3
7. 4 vessel Angiograms.	11
8. E. E. G.	424
9. C. T. Scans.	262
10. Transferred cases : Transferred in	26
Transferred out	43
11. Total deaths.	6

7. DEPARTMENT OF NEUROSURGERY :

The O. P. D. functions twice a week Tuesday and Thursday.

O. P. D. Attendance	2674
New	567
Old	2107
Indoor admissions	730
Total operations	380
E. E. G.	581
Echoencephalography	22
R. F. Thermocoagulation	44
Carotid Angiography	70
Myelography	48
Myodil Ventriculography	5
Conray Ventriculography	11

8. DEPARTMENT OF GASTROENTEROLOGY :

The O. P. D. functions twice a week. During the year 513 out-patients and 528 Indoor patients have been attended. 1391 patients were asked to attend for regular follow up.

ROUTINE INVESTIGATIONS :

C. B. C.	518	E. S. R.	518
Urine.	479	Stool.	588

BIOCHEMICAL INVESTIGATIONS

Liver Function Test.	245	S. Bilirubin.	245
S. G. O. T./S. G. P. T.	245	S. Protein.	245
S. Electrolytes.	200	S. Amylase + Ascitic Fluid Amylase.	20
S. Uric Acid.	3	S. Cholesterol.	30
S. Calcium/Phosphatase.	45	S. Creatinine.	200
B. S. P.	75	Acid Phosphatase.	8
P. T. /P. I.	86	Blood sugar.	140
B. U. N.	140	Alkaline Phosphatase.	245

SPECIAL INVESTIGATIONS :

Schilling test.		Faecal Fat.	25
D—Xylose Absorption.	22	Hepatitis B Antigen.	247
Protein Electrophoresis.	80	A. H. T. (Augmented Histamine Test).	64

ENDOSCOPIES :

Sigmoidoscopy.	518	Oesophago-Gastro-Doudenoscopy.	202
Peritoneoscopy.	71	Colonoscopy.	21
E. R. C. P.	118		

BIOPSIES :

Oesophagus.	3	Gastric.	16
Duodenum	1	Jejunum.	6
Colon & Rectum.	15	Peritoneum.	7
Liver.	95	Ant. Abd. Wall.	2

9. CARDIOVASCULAR AND THORACIC SURGERY :**O. P. D. Attendance :**

The Department of Cardiovascular and Thoracic Surgery runs 3 out-door clinics every week *i.e.* on every Monday, Thursday and Friday. On an average in out-door-clinics, about 4 to 5 new patients and about 50 old patients are seen. Many indoor and out-door patients are referred from other peripheral hospitals including Kasturba Hospital, Rajawadi, Bandra Bhabha and Jagjivanram Hospitals. These referrals are for various Cardiac, Thoracic and Vascular problems. The total number of patients attended O. P. D. during the year 1985 were approx. 3,000.

In 1985, following operative work was done in our Department.

Total number of operations performed were 346, the breakdown is as follows :—

A. Total No. of open heart surgery :		
1. Cyanotic heart diseases.	6	
2. Acyanotic heart diseases	21	
3. Acquired heart diseases.		
a. Open mitral valvotomy.	14	
b. Single valve replacement.	20	
c. Double valve replacement.	6	
4. Coronary artery bypass grafting.	01	68
B. Total No. of closed heart surgery :		
1. Closed Mitral Valvotomy	66	
2. Patent Ductus arteriosus.	4	
3. Pericardiectomy.	3	
4. Pacemaker.	1	74
C. Total No. of Thoracic Surgery :		
1. Lung resection	5	
2. Decortication	9	
3. Rib Resection	6	
4. Tracheostomy	2	
5. Thoracostomy	33	
6. Bronchoscopy	49	
7. Pleural Tapping	3	
8. Thoracoplasty	2	
9. Open Lung biopsy	2	
10. Excision cyst	3	
11. Diaphragmatic Hernia	1	
12. Oesophageal Surgery	2	
13. Oesophagoscopy	2	
14. Cervical Rib excision	1	120

D.	Total No. of Vascular Surgery :		
	1. Aneurysm (Aortic and Renal)	4	
	2. Peripheral Vascular Surgery	7	
	3. Embolectomy	18	
	4. Varicose veins	2	31
E.	Total No. of Miscellaneous :		
	1. Scalene Node biopsy	15	
	2. Lumbar Sympathectomy	1	
	3. Re-explorations	4	
	4. Sec. suturing, cleaning and debridement.	33	53

Dr. Kalke's simple technique for isolating stroma free haemoglobin was used successfully for myocardial protection in open heart surgery.

10. DEPARTMENT OF CARDIOLOGY :

	No. of patients.
1. Cardiac Catheterisation (Paediatric and adult including Coronary Angiography).	413
2. Oxymetry Samples during catheterisation.	2065
3. Two dimensional (2D) echocardiogram recording.	142
4. Vector Cardiogram.	25
5. Treadmill Stress testing.	67
6. Temporary pacing in I. C. C. U.	275
7. Permanent Pacemakers.	4

Statement showing the number of Electrocardiograms (ECGS) taken from July to December 1985.

The records of E. C. G. taken from January to June 1985 were spoiled during the floods. The statement is dise

Statement showing the numbrder of Electrocardiograms (ECGS) taken from July to December 1985. The records of E. C. G. taken from January to June 1985 were spoiled during the floods. The statement is disease wise.

Disease.	Total.
1. Ischaemic Heart Disease.	1283
2. Hypertension.	696
3. Rheumatic Heart Disease.	273
4. Pericarditis.	20
5. Myocarditis.	53
6. Cor pulmonale.	105
7. C. C. F.	65
8. Cong. heart disease.	
a. A. S. D.	38
b. V. S. D.	36
c. P. D. A.	10
d. Fallot's Tetrology.	12
e. Pulmonary Stenosis.	62
f. Eextrocardia.	6
g. Others.	8
9. Heart Block.	280
10. Diabetes.	117
11. Anaemia.	8
12. Miscellaneous.	2243
13. No cardiovascular disease.	1698

11. DEPARTMENT OF PLASTIC SURGERY :

Plastic Surgery O. P. D. was conducted every Wednesday and Friday and a total of 600 new cases were seen. In addition, about 100 cases were seen every week for followup treatment. Full documentation and records of all these cases were made and updated. A total of 480 cases were admitted for surgery of which about 360 were elective and the rest were emergency cases, mainly involving the hand and face. A large number of emergency cases were also treated in casualty. Clinical meetings of the Bombay Plastic Surgeons group were held under the auspices for the Department of Plastic Surgery. Clinics for undergraduates were arranged by Department of Plastic Surgery.

12. ARTIFICIAL KIDNEY DIVISION :

The O. P. D. runs twice a week, i. e. Wednesday and Saturday. On Wednesdays, old patients are called for follow-up while on Saturdays, new registered cases are called for examination and advice.

The activities undertaken by the Artificial Kidney Division are summarised as follows for the year 1985.

	No. of patients.
1. Haemodialysis.	854
2. New patients in A. K. D.	78
3. Kidney Biopsy.	46
4. Peritoneal dialysis.	70
5. New renal patients in O. P. D., Indoor and reference.	386
6. Drug Trial :	
N2 mustard for Nephrotic Syndrome.	9
Augmentin for urinary tract infection.	30
7. Transplant.	NIL

13. ASTHMA AND OBSTRUCTIVE AIRWAY DISEASES CLINIC :

The Asthma and Obstructive Airway Diseases clinic is conducted Every Monday from 9.00 a. m. to 11.30 a.m. in Room No. 106 of Medicine Department. Every week about 4-5 new cases and 50-60 old cases attend the clinic. Dr. (Mrs.) A. J. Pai-dhungat is in-charge of the clinic. In the year 1985, 198 new cases attended the clinic. Several investigations are carried out in the subjects e.g. blood tests, pulmonary function tests, E. C. G., X-rays of chest and paranasal sinuses etc. The following special studies were carried out in the clinic during the year 1985 :

a. The responses to exercise challenge and the development of exercise induced asthma was studied in young asthmatics. A project sponsored by N. G. J. R. F. is being carried out currently on 'Metabolic changes in exercise induced asthma.'

b. The response to bronchodilators is being studied in asthmatics and in chronic obstructive lung diseases subjects. In this, we are correlating the pulmonary functions with the metabolic parameters (Biochemical parameters including immunological mediators).

c. The effect of physical training was studied in C. O. P. D. patients. Two modes of physical training were compared to see the effects on pulmonary function and clinical wellbeing of the subjects.

d. Allergen testing is carried out in asthmatics and they are subsequently desensitized to the corresponding allergen.

14. DIABETIC CLINIC :

Diabetes Clinic was started in 1971.

So far, 3,762 patients are registered with us.

Diabetes O. P. D. is conducted twice a week on Mondays and Thursdays in the morning for new patients and in the afternoon for old patients. 10-15 patients are seen during every new O. P. D. and 100 patients are seen in every old O. P. D.

We have a separate O. P. D. for Diabetics with T. B. conducted every Wednesday morning.

All patients undergoing surgery are attended by Diabetes Clinic, and managed during and after surgery. Diabetes Clinic has been regularly conducting the diabetic camps for teaching lay public and also doing free blood sugars. One such camp was recently conducted at Panvel.

Post graduate update in Diabetes was arranged at Nair Hospital by DAI, in the month of January.

15. HYPERTENSION CLINIC :

The Hypertension Clinic which was being held every Tuesday at 11.30 a.m. has been expanded and regularised. The venue has been shifted to the Medicine Department. Dr. S. L. Soneji heads the clinic. Dr. P. J. Mehta and two lecturers in Medicine Department (vis. Dr. S. A. Kamath and Dr. J. N. Desai) also attend the clinic.

16. MEDICINE RESEARCH LABORATORY :

Medicine Research Laboratory extends services to hospital and O. P. D. of specialized Medicine Units like Rheumatology and Immunology, Diabetes, Nephrology and Asthma. All routine Biochemical tests are carried out everyday alongwith blood counts are as under :-

1. Biochemical Tests :

Urea Nitrogen.	3899	Creatinine.	4045
Uric Acid.	1962	Glucose.	7028
Sodium.	2798	Potassium.	2798
Chloride.	2798	Total Proteins.	2224
Albumin.	2224	Globulin.	2224
Electrophoresis Proteins.	4860	Calcium.	1925
Phosphorus.	1925	Alkaline Phosphatase.	
Acid Phosphatase.	30	S. G. O. T.	1173
S. G. P. T.	1173	Bilirubin.	1019
Cholesterol.	1441	Amylase.	32
Barbiturate.	65	Triglycerides.	268
Lipoproteins.	368	HDL Cholesterol.	368
HDL Triglycerides.	368	LDL Triglycerides.	368
LDL Cholesterol.	368	VDRL Cholesterol.	368
VDRL Triglycerides.	368	Glycosylated Hb.	237
Histamin.	48	Serotonin.	48
Lactic Acid.	160	Free Fatty Acids.	160
L. D. H.	25	C. P. K.	2
C. C. T.	37	Blood Gas.	2775
C. S. F. Electrophoresis.	110		

54006

2. Urine :

Urine Proteins.	620	Bence Jones Proteins.	25
Specific Gravity.	103	V. M. A.	3
P. H.	25	Calcium.	27
Phosphorus.	27	Uric Acid.	27
Urea.	12	Creatinine.	12
Chromatography	6		

887

3. Immunological Tests :

R. A. Tests.	978	Immunoglobulin.	822
A. N. F.	412	Complements.	18
C. R. P.	50	Cryo-protein.	136
Immune complex.	112	M'band detection.	52
A. S. O.	20		

2600

4. Cytological :

Hemoglobin.	2194	Total W. B. C.	2194
Differential W. B. C.	2194	E. S. R.	1397

7979

17. ENDOCRINOLOGY DEPARTMENT :**O. P. Days :**

Mondays and Fridays morning 11.00 a.m. to 1.00 p.m. No. 19. Patients requiring attention and clinical testing on other days are seen in the department between 10.00 to 12.00 a.m. every days.

Total No. of patients seen. 1822

New 480 (Male : 237, Female : 243)

Old 1342

Total No. of patients sample collected :

Urine 106 Blood 365 Semen 342

Total No. of Laboratory tests during the year :**A. Urine :**

Creatinine.	106	Urinary 17 ketosteroids.	33
Urinary 17 Ketogenic Steroids.	33	Urinary Pregnanediol.	38
Urinary Pregnanetriol.	38	Urinary Estrone.	68
Urinary Pregnancy test.	57		

B. Blood :	
1. Radioimmunoassay for FSH.	980
2. Radioimmunoassay for LH.	704
3. Radioimmunoassay for Prolactin.	464
4. Radioimmunoassay for Testosterone.	252
5. Radioimmunoassay for GH.	508
6. Radioimmunoassay for TSH.	404
7. Radioimmunoassay for T3.	408
8. Radioimmunoassay for T4.	408
9. Radioimmunoassay Blood-lipid-cholesterol.	5
10. Radioimmunoassay Triglycerides.	5
Blood Sugar.	30
11. Sex-Chromatin : Oral.	102
: Blood.	102
C.Semen Analysis :	342
Supra Vital staining.	342
Glycerol Phosphorylcholine (GPC)	112
Fructose.	112
D.Histopathology :	
Endometrium and Ovaries.	5
Testicular Biopsy.	13
Epididymal Biopsies.	2
ANIMAL HOUSE PERFORMANCE :	
1. Maintenance and Breeding of Rodent Colony.	
2. Use of rats and mice for Bioassays.	200
3. Animals supplied to other departments rate.	115

18. PREVENTIVE AND SOCIAL MEDICINE :

Services :

In the community comprehensive health care to slum communities.

In the department :

Under five clinic was conducted for Municipal sweeper community of Arthur Road once a week.

B. C. G. Vaccination :

B. C. G. Vaccination was carried out. 1615 neonates and 2198 paediatric patients including the school clinic patients were vaccinated.

In the Community :—

I. COMPREHENSIVE HEALTH CARE TO THE COMMUNITIES :

Comprehensive health care services were provided to two communities.

1. Shivaji Nagar Deonar Through Urban Health Centre.
2. Shahaji Nagar Cheetah Camp.

Following is the report of activities carried out in the two communities for the year 1985.

1.	Shivaji Nagar	Shahaji Nagar.
1. Total No. of patients treated.	53,902	44,993
2. Total No. of children treated at underfive clinic.	3,411	1,480
3. No. of T. B. Patients detected and treated.	394	27
4. Antenatal mothers registered.	297	78
5. Dental check up.	543	
6. Immunisation.		
Polio.	6,293	2,210
Triple.	2,210	1,603
D. T.	202	69
B. C. G.	1,207	577
Measles.	105	18
T. Toixoid.	2,187	1,802

II. SCHOOL HEALTH SERVICES :

Medical inspection of school children belonging to standard Ist and Vllth at Cheetah Camp School was continued, 1445 children were examined.

III. NUTRITION PROGRAMME FOR MUNICIPAL SCHOOL CHILDREN :

Supplementary nutrition programme for primary children at Baiganwadi and Cheetah Camp Municipal Schools were continued during the year 1985. On an average 1824 children from Cheetah Camp Municipal School were given nutrition supplements under this programme.

IV. BALKALYAN KENDRA :

1452 patients were examined and treated in the year 1985.

227 children were given polio vaccine, 44 were given D. T. vaccine, 10 were given DPT vaccine and 30 children were given tetanus toxoid.

V. HOME PROGRAMME :

Under this programme comprehensive health care services were given to residents of Ramnagar, Malad.

1153 patients were examined and treated 252 children were given polio vaccine. 95 triple vaccine, 18 were given D. T. and 25 patients were given tetanus toxoid.

VI. UNDER FIVE CLINIC :

Community	Groups	No. under observation.	Total No. of visits.	Average visit infants or child.
Cheetah Camp.	Infants.	525	1985	3.7
	Children.	100	250	2.5
Deonar.	Infants.	598	2397	4.009
	Children.	262	751	3.3
Arthur Road.	Infants.	15	60	4.00
	Children.	40	80	2.00

VII. SOCIAL SERVICES :**COMMUNITY VISITS :**

Cheetah Camp. 1,511

Deonar. 1,915

Arthur Road. 597

COLLATERAL CONTRACTS :

Deonar. 69

Cheetah Camp. 45

Arthur Road. 28

DEONAR COMMUNITY :

1. Nutritional aid to children. 1450
2. Economic aid in terms of cash and kind. 5121
3. Clothes. 57
4. Referral and follow up in hospital. 997
5. Case work. 325
6. Group work activities session for women for health education. 75
7. Balwadi are being run in the community under our guidance. 3
8. A Balwadi is being conducted with the help of community out reach programme. 1
9. Income generation schemes for the patients. 25
10. Sewing classes for adolescent girls. 30
11. Employment and rehabilitation. 75
12. Catholic relief services programme in continued for beneficiaries. 100
13. Milk Programme started for children. 35
14. Youth group activities session. 45

ARTHUR ROAD COMMUNITY :

1. Nutritional Aid to patients. 975
2. Case work. 75
3. School fees. 105
4. Health education meetings. 12
5. Employment given. 35
6. Rehabilitation for physically handicapped, deaf, blind, Poliomyelitis cases, Marital discord and family disputes alcoholism etc. 60
7. Economic aid in cash and kind. 35000
8. Material aid as ration, clothes, appliances etc.

CHEETAH CAMP :

1. Nutritional aid to adults and families. 1223
2. Economic help in term of cash and kind. 4278
3. Clothes, school fees, bags etc. 470
4. Referral and follow up in hospital. 322
5. Case work. 272
6. Health education talks to mother. 95
7. Sewing classes for adolescent girls. 45
8. Film show on health education. 15
9. Sponsorship programmes for children. 21
10. Vidnyan yatra programme arranged. 4
11. Employment and rehabilitation. 41
12. Catholic relief services programmes. 100
13. Milk programme for children. 35
14. Youth group meetings. 27
15. Vocational training started for the youths from this year. M. S. W. has organised a exhibition on it and the training classes are going on.

Special Activities :

1. **W. H. O. Day Celebrations :** To celebrate the WHO day, the department organised a health exhibition on 6th, 8th and 9th April 1985 at Nair Hospital. Vocational guidance exhibition and talk were organised at Cheetah Camp urban health Centre.

2. A training programme was organised for MPWS at Cheetah camp for Universal immunisation programme.

3. Arranged a guest lecture by Dr. R. K. Anand on immunisation.

4. T. N. Medical College was selected for inclusion universal immunisation programme launched by the central Govt. on 19th November 1985. The department launched the programme by organising several immunisation camps with the help of medical students and interns at M. P. Mill compound, Tulsiwadi and Cheetah Camp.

5. Adult education programme was started both at Cheetah Camp and Shivaji Nagar Health Centres.

6. Cooking demonstrations were arranged at Cheetah Camp and Shivaji Nagar Health Centres.

19. THYROID CLINIC :

Thyroid Clinic is conducted on Monday and follow up on Thursday. The attendance in Thyroid Clinic is as under :—

O. P. D. Attendance :

New Cases	585
Follow up cases	985
Semen Samples	925

20. SCHOOL CLINIC :

The clinic worked in three services viz. Paediatric, Ophthalmic and Aural from Monday to Friday Attendance of school children was as follows :—

Services.	New	Old	Refer	Total
Paediatric.	124	504	—	628
Ophthalmic.	24	20	5	49
Aural.	10	14	3	27
Total.	158	538	8	704

21. DEPARTMENT OF OPHTHALMOLOGY (EYE BANK) :

Eye Bank : One Keratoplasty operation was performed during the year 1985.

Special Clinics : 1. **Squint Clinic :** Tuesday at 2.00 p.m.

2. **Glaucoma Clinic :** Thursday at 2.00 p.m.

Glaucoma Clinic :

During the year 1985, 132 patients attended the Glaucoma Clinic. 20 cases were operated out of 42 new cases. 90 were old cases for follow-up.

Squint Clinic :

During the year 1985, 64 patients attended the Squint Clinic. 7 were operated out of 52 cases. 12 were old cases for follow-up.

Dr. (Mrs.) G. Murthy, Prof. and Head of Ophthalmology Department was on deputation for Argon Laser machine (Training) at Madras, Sankara Netralaya for a period of 15 days in June 1985.

22. DEPARTMENT OF DERMATOLOGY AND VENEREOLOGY :

The department functions all the days except Sundays from 8.00 a. m. onwards.

Attendance at O. P. D. :			
A.	Infections :	New	Old
a.	Skin infections.	30,542	26,731
b.	V. D. Cases.	18,497	8,529
c.	Total infections.	49,039	35,260
d.	Non-infections.	20,528	14,360
e.	Ratio of Infection : Non-infections		2 : 1
f.	Maximum attendance of one day.		508
g.	Total attendance.		69,567
h.	Grand total of the year 1985.		1,19,187

B.	Inpatients :— Investigations :	Total.	Abnormal.
a.	Biopsies.	1,542	All
b.	V. D. R. L.	5,740	4,731
c.	Dark Ground Illumination.	3,621	1,974
d.	Smear for Gonococci	4,986	4,700
e.	Smear for Donovanosis.	653	260
f.	Smear for Chancroid.	275	Nil
g.	Smear for Leprosy.	852	490
h.	Scales for Fungus.	8,539	8,105
i.	Urine.	674	431
j.	Stool.	380	132
k.	Blood count.	494	159
l.	E. S. R.	619	205
	Photographs. :—	7,095	
C.	Therapy :—		
a.	Superficial X-ray.	2	
b.	Electro Dessication.	2,975	
c.	Chemical Cautery.	1,549	
	Phodophyllin.	1,496	
e.	Intralesional Steroid.	1,804	

D. Medical Education : Lectures and Clinics.

Guest Lectures and Clinical Meeting :—

1. Rowell (U. K.) Management of cutaneous tissue disorders.
2. S. T. D. Clinical meeting :—Prof. Adler & Dr. Joshi John.
3. Clinical meeting—Skin Diseases :—Dr. A. Du. Vivier, President of Dowling Club and 23 members of Dowling club of U. K.

23. MEDICAL SOCIAL WORKS :

Old cases carried over.	5795
New cases referred in 1985.	11230
Referred from other Institutions.	1340
Total No. of cases handed in 1985.	18365

1. No. of home visits, institutional visits and colateral contacts made.	3821
2. Case work services given and No. of cases referred for rehabilitation.	5727
3. No. of follow up letters and letters sent to donors, charitable and welfare organisations.	6220
4. Material Aid given :—	
a. Appliances as belts, callipers, cruches etc.	2711
i. Wheel chairs.	65
ii. Glasses.	878
iii. Triwheelers.	52
b. Costly and nonscheduled drugs.	8723
c. i. Food.	8524
ii. Ration.	1125
iii. Supplimentary nutritional aid.	4532
d. Clothes.	4226
e. Library books given to patients for Indoor and Outdoor.	875
f. School fees, uniforms, textbooks for patients children and young school going patients.	1223
g. Travelling Expenses.	940
h. Employment for : i) Patients.	735
ii) Patients family members.	511
i. Accomodations.	125
j. Institutionalization.	326
k. No. of cases rehabilitated.	3430

During this year approximately following donations arranged in cash and kind :—

Rs. 2,60,432 in the form of drugs.

Rs. 12,728/- for the appliances.

Rs. 2,25,720 for the patients undergoing cardiac surgeries.

Rs. 2,52,625/- 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.

Report of the work and training centre for the disables for the year 1985 :—

This project started in 1981 as it was the year of Handicapped. It was inaugurated by Hon. Municipal Commissioner Shri D. M. Sukhankar. The benefit is given to the disables who are undergoing treatment in B. Y. L. Nair Ch. Hospital. The main objective is Rehabilitation of these disabled with the coloboration from various charitable organisations and private industries. Job training facilities are given in Tailoring, assembling, packing, numbering our Hospital registers etc. The remuneration is paid for the same by industries and hospital. This year three disables are completely rehabilitated and they are one their own. During this year 28 disables have taken advantage of this project. Free lunch facility is arranged through donation.

Two punching machines, 2 max numbering machines, 3 sewing machines and one sewing machine with beeding attachment and rexin material is bought through the donation which is very much helpful for disables to earn their bread. Due to floods in the year 1985 three sewing machines and lot of packing material got spoiled. It was great loss.

Report of the project of rehabilitation of Alcoholics for the year 1985 :—

This project started on World Health day (7th April 1983) from the point of view to rehabilitate alcoholics. There are many employees and patients who are alcoholics, suffering from various health complaints and problems with families as well as in work. We wish to understand their problems and motivate them to give up drinking. From this point of view this project has been started with the coloboration of Alcoholic Annonymous Group. A. A.'s meetings are arranged on every Saturday between 10.30 a.m. to 11.30 a.m. This is a group therapy. The employees and patients are attending meetings regularly and taking benefit of this project. It has been observed that seventy four alcoholics have stopped drinking and are able to lead a normal life with their family members. Alongwith the alcoholics their family members are also involved in this project. All these families are taken for the individual and group therapy and then rehabilitation.

This was a great achievement and success. Some alcoholics who are fully motivated and recovered took initiative to start the independent A. A. Project in their own offices and factories.

No. of meeting	54
Hospital employees	125
I. P. D. patients.	185
Family members and A. A. Members.	490
No. of alcoholics attended meeting	1098
Recovery in the year 85	74
O..P. D. patients.	224

24. OCCUPATIONAL THERAPY DEPARTMENT :

The following are the figures for the year 1985 of workload and the work analysis.

Total number of patients for the year 1985.	11645
Total No. of attendance of patients.	104935
New patients (O. P. D.).	2674
New patients (Indoor).	3612
Total No. of patients (O. P. D. + Indoor).	11645
Total No. of splints prepared.	901

P. V. C. & D. C. U. PRINTING UNIT, SPLINT SECTION :

These sections are working as usual in addition work is taken from outside also.

Miscellaneous :

Head of Occupational Therapy department Shri A. S. Khullodkar was appointed as an examiner for undergraduate as well as postgraduate examination in Occupational Therapy held by Bombay University and for undergraduate held by Nagpur University.

Lectures for Medical and Speech Therapy students as well as undergraduate and postgraduate in subject of Occupational Therapy students were given as a routine.

Work Load :

The work load of patients in all sections as well as printing work load is increased than last year.

25. PHYSIO THERAPY DEPARTMENT :

The following are the figures for the year 1985 of the workload and the work analysis.

Total No. of patients treated.	12393
Total No. attendance of patients.	155136
New cases referred.	6365

Miscellaneous :

Head of Physio-therapy department Smt. S. S. Idgunji, was appointed as examiner for 2nd year B.Sc. Physio-therapy students, Post graduate course in Physio-therapy.

Lectures for medical and speech therapy students as well as post graduate students in Physio-therapy were given as a routine.

Work Analysis :

The work load in this department is increased than last year.

26. DEPARTMENT OF RESPIRATORY DISEASES :

No. of patients attending our O. P. D. during 1985 :

Chest.	1478
Tuberculosis new cases.	4006
Tuberculosis old cases for follow-up.	6111
No. of Indoor admissions during the year.	618
Laboratory work done :—	
Sputum examination.	9885
Sputum culture & Antibiotic sensitivity test.	183
Urine examination Routine, B. S., B. P. etc.	468
Stool examination & occult blood.	261
Blood examination including CBC, ESR etc.	403
Fiber-Optic Bronchoscopy.	18
Lung Biopsy done.	23
Pleural biopsy done.	14
Pulmonary function tests.	458
Pre & post exercise blood gas testing.	116
Antigen skin testing.	90

27. DEPARTMENT OF HAEMATOLOGY :

410 new cases have been seen in the Haematology Department. The old cases seen during the previous years who required follow-up and treatment have been attending regularly as per appointments. Average outpatients attendance was 25-30 by previous appointments. Average number of patients under treatment care and observation in the hospital were about 25-35 daily throughout the year.

Miss N. B. Mehta from the department is awarded Ph. D. degree for her thesis 'Study on Structure, function and properties of Human platelets in Health and Disease'.

Dr. Sargent, from Jamaica visited the department in May 1985 and held discussion on our material on Sickle Cell Thalassaemia.

Department arranged a lecture by Dr. Peter Issacson, a renowned Pathologist from U. K. on clinical-Pathological correlation and Classification of Non-Hodgkins Lymphoma, in October 1985 on behalf of Bombay Haematology Group.

The department is conducting anaemia detection and evaluation of anaemia in school girls. Three fifty students were studied during this year.

28. DEPARTMENT OF RHEUMATOLOGY :

Rheumatology O. P. D. is run on two days. On Friday morning new patients are seen. On Friday afternoon follow-up of recent patients is carried out. On Saturday in morning upto 11.00 a.m. patients of S. L. E., P. S. S. etc. are seen and after 11.00 a.m., all other follow-up cases are seen. Dr. V. R. Joshi, along with Dr. (Mrs.) R. D. Sequeira, Dr. (Mrs.) N. E. Borges and a lecturer (Dr. Nanavati) are connected with the O. P. D. Residents of Dr. V. R. Joshi's medicine unit also participate in the clinic. The work of the clinic continues to grow and in 1986, there are plans to expand the clinical services. The clinic drains cases from other Municipal and Non-municipal hospital of Bombay as well as other parts of the country. 563 new patients were registered in the clinic register in 1985. Indoor admission on Rheumatology beds were fifty. Laboratory continues to be its strong point. Dr. Salgaonkar is incharge and helped by one technician (presently Shri Halankar).

Present area of interest :—

1. HLA and rheumatic disease — Dr. (Mrs.) S. R. D. Sequeira.
2. SSA bacteriological and immunological aspects — Dr. N. E. Borges.

29. PHARMACY DEPARTMENT :

1. Dispensary :—

This year dispensary has dispensed 341834 case papers out door and 155 case papers at indoor. Number of stock items supplied to O. P. D. and Theatres is 2215.

Total quantity of stock prepared for Indoor and Outdoor patients are given below :—

a. Quantity of stock solution prepared in lit.	18142.75	lits.
b. Number of packets made.	133557	pkts.
c. Number of Powder wrapped.	22051	pkts.
d. Number of O. P. D. prescriptions dispensed where account is kept.	90440	
e. Prescriptions where special drug is issued and account is kept.	7237	
f. Simple syrup lit.	711.020	lits.
g. Quantity of stock mixture prepared.	12686	lits.

2. Central Sterile Supply Service :—

Various types of surgical instruments and other articles are processed. Systematically assembled in different types of Trays/Sets and sterilised. The service involves 12 types of sets and 42 types of trays with the annual turnover of 41919 numbers.

The dressing drums/packs sterilized during the year are 17412 numbers.

C. Manufacturing of Pharmaceuticals :

1. Total market cost of preparations.	Rs. 10,812,14.40
2. Total preparation cost. (This includes cost of chemicals, breakages consumable, articles, machine depreciation, cleaning of fluids, general articles, average staff salary supervision and overhead administration charges.).	Rs. 7,32,759.66
3. Saving effected for the year 1985.	Rs. 3,48,464.74

Consolidated manufacturing figures and saving effected are given below :—

1. Transfusion bottles 1 lit.	815
2. Transfusion bottles 540 ml.	101570
3. Vials/ampoules/assorted.	36179
4. Transfusion bottles 375 ml.	6080
5. Eye ointment (pkts.)	375 pkts.
6. Ointment for external use only.	834 kg.
7. Powder.	142 kg.
8. Lotion and Liniment.	854 bottles.
9. Conc. Caster oil liquid soap.	140 bottles.
10. Soft soap.	20 kg.
11. Oral Rehydration Mixture.	1000 pkts.
12. Sterile Vaseline Gauze Tray.	128 trays.
13. Distilled water 10 lit. Carboy.	477
14. Distilled water 5 lit. flasks.	457

4. Quality Control :

A total number of 30 different products splitted up in 848 batches manufactured by pharmacy department are tested at the final stage and during processing out of which 23 batches were rejected the percentage of rejection being 3%.

A total number of 467 different kinds of products splitted up in 2455 number of batches purchased from outside were tested 99, batches were rejected. The percentage of rejection being 4.1 %.

All the sterilizers of Nair Hospital and Bhajekar Hospital were tested for their effective working by performing sterility tests of live cultures every fortnight.

80 items were tested within one hour on its receipts and results given to the store immediately to meet the urgent requirement of the stores and to assure immediate treatment of the patients.

5. Glass Blowing Section :

Following articles are prepared by the Glass Blower in the year 1985.

S. No.	Name of the items.	Quantity.
1.	Murphy's Drips.	850
2.	Needle Covers.	1580
3.	Bleeding sets tubes.	750
4.	Sample test tube for Analytical section.	70
5.	Glass tube for renal drainage set small.	1400
6.	Glass tube for renal drainage set big.	1100
7.	Saline set big tube.	1700
8.	Saline set small tube.	2050
9.	Thoracic Drainage set small.	900
10.	Thoracic Drainage set big.	600
11.	Oxygen Canulae.	200
12.	L. P. Sets rods.	1450
13.	L tubes for manufacturing.	100
14.	L tubes for thoracic set.	400
15.	Y connections.	60

Needle Sharpening :—

Total number of Hypodermic needles re-sharpened 7075.

6. Maintenance Section :—

This section looks after the maintenance and repair work of all the machineries of pharmacy and the minor repairs of sterilizer of wards and theatres, Bhajekar Hospital, Kamathipura Hospital (G. O. T.), and Kasturba Hospital (O. T.).

This major and minor repairs are done numbering 866 during this year which includes the replacement of heaters and other spare parts. Removal of steam and water leakage from the high speed sterilizer. Hot and cold water sterilizer, instrument sterilizer, Bowl sterilizer and minor repair works.

7. Education :—

Following students from various colleges undergone the practical training of 750 hours in Pharmacy Department in the year 1985.

1. S. N. D. T. Women's College Santacruz (W).	2
2. K. M. Kundanani College of Ulhasnagar.	2
3. Govt. College of Pharmacy Sholapur.	1
4. Govt. College of Pharmacy Usmanabad.	1

30. E. N. T. DEPARTMENT :

Department of E. N. T. consists of one full-time unit under Dr. A. G. Pusalkar, Prof. & Head of E. N. T. and Head and Neck Surgery Department and also Head of Audiology & Speech Therapy School and one part-time unit under Dr. N. L. Hiranandani, Hon. E. N. T. Surgeon and Hon. Prof. of E. N. T. Each unit attending alternate day O. P. D. and Operation theatre.

The following were the activities of the department of E. N. T. during the year 1985 :—

O. P. D. Services :—

The total No. of patients attended E. N. T. O. P. D. during the year 1985 were 12566. In addition old cases of the previous years requiring follow-up and treatment have been attended.

Operative Session :—

The total No. of operations performed in the year 1985 were 1829.

Daily ward rounds are taken.

E. N. G. Clinic :—

We have taken the E. N. G. of 197 patients (New cases) during the year 1985. Every Wednesday and Friday vertigo cases, follow-up patients etc. were seen and caloric test was also conducted whenever necessary.

Post operative clinic :—

Every Wednesday and Thursday respectively by Unit I and Unit II.

School Clinic :—

Work for 6 days in a week.

General Activities :—

a. E. N. T. Hospital :

Dr. A. G. Pusalkar, Prof. & Head of the Department of E. N. T. and Head & Neck Surgery and Head of A. S. T. S. continues to visit E. N. T. Hospital on every Tuesday and Dr. N. L. Hiranandani, Hon. E. N. T. Surgeon and Hon. Prof. of E. N. T. continues to visit E. N. T. Hospital twice a week.

b. Bombay Hospital :

Dr. N. L. Hiranandani, Hon. E. N. T. Surgeon and Hon. Prof. of E. N. T. continues to visit Bombay Hospital twice a week.

Teaching activities :—

a. Undergraduate Students :—

Lecture series and clinical terms.

b. Post-graduate Students :—

The post-graduate teachers of department guide, prepare the post graduate students in their thesis work for M. S. examination in E. N. T. of University of Bombay. Regular clinics with case discussions are held and selected topics are discussed where Honorary, Full-time E. N. T. Professor, Reader, Lecturers and Post-graduate students participated.

c. Speech Therapy Students :—

Lectures in E. N. T. are held for the B. Sc. (AST) students of our college.

d. Nursing Students :—

Lectures in E. N. T. are held for teaching nursing students of our institute.

General :

Dr. (Smt.) J. P. Dabholkar, Lecturer in E. N. T. received the travelling fellowship from B. P. Poddar Foundation to visit Memorial Sloan Kettering Hospital, New York, U. S. A. for a period of 3 months in the field of Head and Neck Cancer Surgery. She has attended the same hospital from 1st September to 15th December 1985.

Dr. D. D. Shah, Lecturer in E. N. T. received "Travel Fellowship" from All India Association of Otolaryngologists to visit All India Institute of Medical Sciences, New Delhi.

31. AUDIOLOGY AND SPEECH THERAPY SCHOOL :**Teaching :**

10 students were admitted in F. Y. B. Sc. (A. S. T.). Result of B. Sc. (A. S. T.) students is as follows :—

Class	No. of students appeared for Exam.	No. of students declared pass.	Result
F. Y. B. Sc.	10	7	70 %
S. Y. B. Sc.	7	3	43 %
T. Y. B. Sc.	11	10	91 %

Clinical :

3412 numbers of patients were seen.

During the year 1985, 20 numbers of ear moulds were issued to the patients.

Other Academic Activities :

Asstt. Professor R. Vaidyanathan was awarded Doctorate (Ph. D.) in Linguistics by the Bombay University in February 1985 for the thesis entitled "Verbal Environment in early language Acquisition."

Report for School for Deaf :—

In June 1985 due to heavy rains furniture and equipments has been damaged, two class rooms at Agripada had to be closed and shifted at Nana Chowk.

Academic :—

Total No. of students in 4 schools for deaf.	68
Total No. of Deaf students integrated in the normal schools in various standards and passed annual exam. successfully.	20
New Admission.	15

Extra Curricular Activities :—

1. In October 1985, 33 Deaf students with 4 teachers participated in the Educational Camp at Mahabaleshwar, sponsored by Rotary Club of Bombay.
2. All students celebrated various festivals like Ganpati, Gokul Ashtami, Rakhi and Diwali.
3. Few students participated in Sports organised by Bombay North Round table No. 19 at University ground and succeeded by awarding two gold medals and four silver medals. 15 consolation prizes and prizes in the drawing competition also.
4. Teachers attended various Workshops and Seminars on Education of Deaf organised in Bombay.

3. DEPARTMENT OF ORTHOPAEDIC :

O. P. D. Attendance.	14,892
Indoor admission.	2,255
Total Operations.	1,492

Special Activities :—

1. Reaction of Bone to cement and Joint Replacement.
2. Pulsed electromagnetic Bone induction. One of the lecturers has designed a P. E. N. induction device.
3. Clinical comparison of semi non invasive methods of bone induction.
4. Clinical trial of a new tension band principle under guidance of Dr. Ashok U. Maniar.
5. PLIF for Lumbar degenerative disorder.
6. Tumor Excision and Reconstruction.
7. Acetabular Fracture's and management.

33. TOPIWALA NATIONAL MEDICAL COLLEGE :

The college has been permanently affiliated to the University of Bombay for teaching the courses of students leading upto M. B. B. S. and post — graduate examination.

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. 543 undergraduate students and 375 post graduate students were on the roll at the class of the year.

Students on roll as on 1-8-1985 :

Class	Male	Female	Total
III M. B. B. S. III term.	49	40	89
III M. B. B. S. II term.	9	4	13
III M. B. B. S. I term.	52	35	87
II M. B. B. S. III term.	12	3	15
II M. B. B. S. II term.	45	42	87
II M. B. B. I term.	12	3	15
I M. B. B. S. III term.	49	51	100
I M. B. B. S. II term.	—	—	—
I M. B. B. S. I term.	48	51	99
I M. B. B. S. Casuals.	6	1	7
III M. B. B. S. Casuals.	27	4	31
Total.	309	234	543

Post Graduate :—

Class.	Male	Female	Total.
M. D. (all Branches).	85	82	167
M. S. (All Branches).	89	12	101
University Diploma D. A., B. P. H.	30	25	55
M. Sc. by papers Biochemistry (Parar I).	3	5	8
Biochemistry (Paper II).	3	5	8
M. Sc. (Occupational Therapy).	—	6	6
M. Sc. (Physical Therapy).	—	3	3
M. Sc. (Microbiology by Research).	—	4	4
M. Sc. (Biochemistry).	4	3	7
D. M. L. T.	2	8	10
Ph. D. (Biochemistry).	4	2	6
Total.	220	155	375

College Prizes :—

Sr. No.	Name of the student.	Name of the prize awarded.
For I M.B.B.S. Examination October 1984 :		
1.	Shri Basa Shankar D.	1. Dr. D. D. Sathye's Prize. 2. Dr. D. D. Variyava's Prize.
2.	Shri Anand Ajay J.	1. Dr. S. B. Parchure's prize. 2. Dr. A. L. Adiga's prize. 3. Mahatma Gandhi Memorial prize.
For II M.B.B.S. Examination April 1984 :—		
1.	Shri Khandwala Salil S.	1. V. G. Rele's Scholarship. 2. S. S. Rao's Prize.
2.	Miss Gidwani Priya G.	1. Dr. Manek Bilomaria's prize. 2. Dr. S. B. Kekre's prize.
3.	Shri Nadkarni Trimurti D.	1. Dr. H. A. Maniar's prize. (In books).
4.	Miss Muthuswamy Usha.	1. Doongarshi A. Karla's prize. 2. Dr. V. B. Bhave Memorial prize.

Sr. No.	Name of the student.	Name of the prize awarded.
For III M.B.B.S. Examination October 1984 :		
1.	Miss Dos Santos Lyn M.	1. Dr. P. F. Soonawala's prize (Gold medal). 2. Dr. A. L. Nair & M. Venkatrao's prize.
2.	Shri Bijwedra Jagdeep.	1. Dr. A. L. Nair & M. Venkatrao's prize. 2. Dr. R. L. Shah's Cash prize. 3. Dr. Parab Memorial's prize. 4. Dr. A. L. Nair's Gold Medal.
3.	Shri Malhan Deepak C.	1. Dr. A. L. Nair & M. Venkatrao's prize. 2. Dr. D. B. Pandey's prize in books. 3. Smt. Gopikabai Narayan Karande's prize.
4.	Miss Mehta Namita S.	1. Smt. Snehalrani Ranade Paritoshika.
5.	Miss Rao Beena V.	1. Dr. Gopa Kothari's prize.

Examination.	October/November 1984			April/May 1985.		
	2. Appeared	3. Passed	4. %	5. Appeared	6. Passed	7. %
1.						
I M.B.B.S.	103	82	79.61	21	15	71.42
II M.B.B.S.	24	19	79.16	88	63	71.59
III M.B.B.S.	118	88	74.58	51	22	43.13
M. D. (All Branches).	57	29	50.87	54	30	55.55
M. S. (All Branches).	31	16	51.61	23	16	69.56
D. M. L. T.	4	3	75.00	12	7	53.33
M. Sc.	6	6	100.00	18	15	83.33
University Diploma.	28	20	71.42	21	17	80.95

34. TOPIWALA NATIONAL MEDICAL COLLEGE LIBRARY :

The total No. of books added to the Library during the year was 792 as against 1070 books during the previous year, out of which 110 books were donated to the Library by different institutions and Publishers, 203 books were purchased for 34 different department libraries and 589 books were purchased for Central Library, 309 books were kept as reference only including 88 textbooks of the counter.

The Library subscribes to 242 periodicals as against 259 during the last year. 93 periodicals received as gratis from the publisher and from the staff as against 74 periodicals during the previous year. The Library therefore has 335 periodicals as against 333 during the last year.

The No. of Books and Periodicals issued on the premises to the undergraduates, postgraduates, the teaching staff of the college, professors, honoraries, teachers and Research workers from other institution was 56,760 as against 63,710 during the last year.

3810 books including reference books and periodicals were issued out for home reading to the teaching and residential staff of B. Y. L. Nair Ch. Hospital and T. N. Medical College as against 3784 books and periodicals issued during the last year. 55 Bound volumes of periodicals and books were borrowed from other libraries on inter library loan and 126 were loaned out to them as against 28 and 50 respectively during the last year. 25 back issues of periodicals received from other libraries under IEDML Scheme which has completed 6 bound Journals. About 400 loose issue of duplicate journals were given to various Institutional Library on their request.

653 thesis were issued for reading on premises as against 652 during the last year. 97 New thesis of different disciplines were entered as against 83 during last year.

So Library has 1640 thesis at present.

1035 references referred by outsiders as against 1200 during the last year. There are 500 reference queries attended by Library Staff as against 450 during the last year. 25 computer online searches on MEDLINE were procured at free costs for researchers and Postgraduate students from Medical Information Centre, Karlinske Institute, Sweden. 200 slides on laser technique and 1 Audio cassettes on heart sound and murmur is added in the Library non-printed collection.

Rs. 5.5 lakhs were allotted for Central Library and Rs. 2.2 lakhs were allotted for 34 departmental libraries as against 5.0 lakhs and 1.95 lakhs respectively during the last year. 90 books costing Rs. 12,094.78 were written off as against 19 books costing Rs. 8.1 thousand during the last year. 200 Bound volumes were added to the Library during the year 1985-86. The Library at end of the year has 31,566 books, 16079 Bounds Volumes of periodicals, 1654 thesis and 1765 teaching slides and 1 audio cassettes.

3. DR. BHAJEKAR MUNICIPAL HOSPITAL :

The Skin and Ophthalmic Wards are shifted to Dr. Bhajekar Hospital from 1-4-1984 as the Annex Building of Nair Hospital where these wards were housed was to be repaired.

APPENDIX — I

B. Y. L. NAIR CH. HOSPITAL, BOMBAY—8.

With effect from 1-4-1985 the distribution of beds of this hospital will be as under :—

S. No.	Department.	Male	Female	Children	Total.
1.	Medical.	107	39	—	146
2.	Surgical.	97	35	—	132
3.	Gynaec.	—	39	—	39
4.	Obstetric.	—	54	—	54
5.	Premature.	—	—	6	6
6.	Ophthalmic.	24	12	—	36
	Cataract beds.	6	—	—	6
7.	Paediatric (Including IPCU).	—	—	51	51
8.	Skin & V. D.	12	4	—	16
9.	E/ N. T.	26	10	—	36
10.	Orthopaedic.	70	12	—	82
11.	Tuberculosis.	19	5	—	24
12.	Psychiatric.	23	23	—	46
13.	Cardiology.	8	3	—	11
14.	I. C. C. U.	6	—	—	6
15.	Cardiac Surgery C. V. T. S.	7	4	—	11
16.	I. C. C. U.	4	—	—	4
17.	Neurology.	15	2	—	17
18.	Neurosurgery.	13	4	—	17
19.	Plastic Surgery.	11	5	—	16
20.	Gastroenterology.	22	3	—	25
21.	Gastro-enterology (S).	3	2	—	5
22.	Paediatric Surgery.	—	—	2	2
23.	Renal (Medical).	7	2	—	9
24.	Renal (Surgical).	1	1	—	2
25.	Diabetic.	3	2	—	5
26.	Rheumatology.	3	2	—	5
27.	Genitourinary (S).	2	2	—	4
28.	M. A. C. U.	12	—	—	12
29.	Paying Wards.	10	10	—	20
30.	Isolation Wards.	5	—	—	5
31.	Observation Ward.	8	—	—	8
32.	Artificial Kidney Dept.	2	—	—	2
Total.		526	275	59	860

APPENDIX—II.

The number of accident cases treated.

Sex.	Treated in Casualty Department.		Admitted through Casualty Department.	
	1984	1985	1984	1985
Male.	12324	13158	2233	2698
Female.	2753	2779	816	899
Children	Male.	2414	457	498
	Female.	1097	255	277
Total.	18588	19784	3761	4372

APPENDIX — III.

Statement showing the details of cost per day per in-patient and out-patient :—

Year.	Diet		Drugs Dressing etc.		Stores and Linen.		Heating Lighting & Repairs.		Establi- shment.		Total.	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Indoor :—												
1985	6.08		22.07		6.00		6.80		39.03		79.98	
1984	5.77		26.18		6.35		6.22		38.60		83.12	
Outpatient :—												
1985	—		2.66		2.50		0.75		10.65		16.56	
1984	—		3.17		2.65		0.65		10.25		16.72	

APPENDIX NO. IV.

Statement showing the Out-patients (New O. P. D., Casualty) in the B. Y. L. Nair Charitable Hospital during the year 1985. Classification according to the Department, Sex and Age.

Department.	O. P. D. New cases.				Total	Casualty Cases.				Total.
	Male	Female	M/ch.	F/ch.		Male	Female	M/ch.	F/ch.	
Medical.	26662	14036	—	—	40698	979	506	—	—	1485
Surgical.	17734	5353	2463	1289	26839	9538	1747	1955	831	14071
Ophthalmic.	4736	2516	521	381	8154	187	16	21	8	212
Gynaec.	—	6324	—	—	6324	—	22	—	1	23
Skin.	10370	3792	2688	2066	18896	58	1	—	—	59
Aural.	5431	3569	1920	1463	12383	119	25	20	19	183
Orthopaedic.	6707	3945	960	589	12201	1762	372	399	158	2691
Paediatric.	—	—	10298	7846	18144	—	—	124	91	215
Maternity.	—	4971	—	—	4971	—	2	—	—	2
T. B.	1068	458	—	—	1526	6	—	—	—	6
Cardiology (Med.)	656	414	162	117	1349	—	—	1	—	1
Gastroenterology.	247	107	6	5	365	—	—	—	—	—
Psychiatric.	1908	934	125	78	3045	36	13	—	—	49
P. S. D.	—	—	—	—	—	—	—	—	—	—
Rheumatic & Col. Disease.	115	140	10	2	267	—	—	—	—	—
Neurosurgery.	396	188	61	22	667	27	1	3	5	36
Neurology.	324	200	53	31	608	—	—	—	—	—
Plastic Surgery.	144	72	42	27	285	205	22	29	27	283
Gastroenterology Surgical Service.	11	5	—	—	16	—	—	—	—	—
Renal Surgery.	156	98	1	3	258	1	1	—	—	2
Genito Urinary Surgical Service.	18	1	1	—	20	—	—	—	—	—
Thyroid Surgery.	20	87	3	4	114	—	—	—	—	—
Anti Rabies.	1347	264	445	304	2360	259	51	117	37	464
New Born.	—	—	547	431	978	—	—	—	—	—
Special Care.	—	—	164	132	296	—	—	—	—	—
Diabetes.	89	44	1	2	116	—	—	—	—	—
Haematology.	57	58	24	18	157	—	—	—	—	—
Asthma.	28	16	—	—	44	—	—	—	—	—
Cardiac Surgery.	45	22	6	6	79	1	—	—	—	2
Endocrinology.	48	92	6	5	151	—	—	—	—	—
Grand Total.	78297	47706	20487	14821	161311	13158	2779	2669	1178	19784

APPENDIX No. V

Summary of In-patient classified according to Department and Sex.

Department.	Sex	In the hospital on mid-night of 31-12-1984	Admitted during the year.	Total	Discharged.		Deaths.	Remaining in the hospital on mid-night of 31-12-1985.
					Cured	Otherwise		
1	2	3	4	5	6	7	8	9
Medical.	Male.	172	4710	4882	2184	1987	577	134
	Female.	79	2437	2516	1850	317	271	78
	Total.	251	7147	7398	4034	2304	848	212
Surgical.	Male.	108	6151	6257	4825	1297	226	109
	Female.	42	1820	1862	1333	369	121	39
	Male Child.	14	873	887	619	237	22	9
	Female Child.	3	422	425	371	18	20	6
Total.	165	9266	9431	6948	1931	389	163	
Ophthalmic.	Male.	11	316	327	293	25		9
	Female.	4	196	200	187	12		1
	Male Child.		19	19	17	2		
	Female Child.		8	8	6	1		1
Total.	15	539	554	503	40		11	
Gynaec.	Female.	31	2057	2088	2030	29		29
	Total.	31	2057	2088	2030	29		29
Skin & V. D.	Male.	3	108	109	84	23		2
	Female.	2	33	35	30	5		
	Male Child.		10	10	9	1		
	Female Child.		5	5	5			
Total.	5	154	159	128	29		2	
E. N. T.	Male.	14	864	878	813	27	20	18
	Female.	9	634	643	605	19	6	13
	Male Child.	1	298	299	240	57		2
	Female Child.		282	282	232	46		4
Total.	24	2078	2102	1890	149	26	37	
Orthopaedic.	Male.	87	1373	1460	558	772	21	109
	Female.	35	484	519	257	221	9	32
	Male Child.	16	286	302	170	119	1	12
	Female Child.	6	112	118	90	24	1	3
Total.	144	2255	2399	1075	1136	32	156	
Paediatric.	Male Child.	36	1559	1594	1210	167	197	20
	Female Child.	26	1161	1187	868	132	154	33
	Total.	61	2720	2781	2078	299	351	53
Maternity.	Female.	55	4539	4594		4522	3	69
	Total.	55	4539	4594		4522	3	69
T. B.	Male.	6	251	257		249	5	3
	Female.	1	70	71		66	2	3
	Total.	7	321	328		315	7	6
Cardiology.	Male.	5	328	333		311	13	9
	Female.	7	163	170		155	11	4
	Male Child.	3	132	135		132	3	
	Female Child.		73	73		72	1	
Total.	15	696	711		670	28	13	
Gastroenterology.	Male.	6	226	232		217	7	8
	Female.	1	119	120		112	5	3
	Male Child.		2	2		2		
	Female Child.		1	1		1		
Total.	7	348	355		332	12	11	
Renal.	Male.	7	182	189		164	22	3
	Female.	4	88	90		82	8	
	Male Child.		9	9		8	1	
	Female Child.		2	2		2		
Total.	11	279	290		266	31	3	

APPENDIX NO. V (Contd.)

1	2	3	4	5	6	7	8	9	
Cardiac Surgery.	Male.		4	154	158		134	18	6
	Female.		4	93	97		74	13	10
	Male Child.		2	19	21		16	3	2
	Female Child.			19	19		17	2	
	Total.		10	285	295		241	36	18
Psychiatric.	Male.		28	905	933	293	817	1	22
	Female.		15	409	424	81	329	1	13
	Male Child.			6	6		6		
	Female Child.			11	11		11		
	Total.		43	1331	1374	374	963	2	35
Rheumatic & Collegen Disease.	Male.		2	26	28		23		5
	Female.			18	18		18		
	Male Child.			7	7		7		
	Female Child.			1	1		1		
	Total.		2	52	54		49		5
Neurology.	Male.		10	216	226		209	4	13
	Female.		6	89	95		86	3	6
	Male Child.		2	23	25		24		1
	Female Child.			14	14		14		
	Total.		18	342	360		333	7	20
Neurosurgery.	Male.		14	320	334		255	54	25
	Female.		9	134	143		125	13	5
	Male Child.		1	44	45		38	4	3
	Female Child.		2	21	23		12	8	3
	Total.		26	519	545		430	79	36
Thyroid Surgery.	Male.		—	—	—	—	—	—	—
	Female.			1	1		1		
	Total.			1	1		1		
Plastic Surgery.	Male.		8	212	220		202		18
	Female.		2	42	44		42	1	1
	Male Child.		3	73	76		75		1
	Female Child.			43	43		43		
	Total.		13	370	383		362	1	20
Gastroenterology Surgical Service.	Male.		2	21	23		20		3
	Female.			11	11		11		
	Male Child.			4	4		4		
	Total.		2	36	38		35		3
Genito Urinary Surgical Service.	Male.			58	58		58		
	Female.			23	23		23		
	Male Child.			17	17		17		
	Female Child.			3	3		3		
	Total.			101	101		101		
Diabetes.	Male.		8	108	116		108	1	7
	Female.			81	81		81		
	Male Child.			1	1		1		
	Female Child.			1	1		1		
	Total.		8	171	179		171	1	7
Haematology.	Male.			105	105		101	4	
	Female.			91	91		91		
	Male Child.			107	107		103	4	
	Female Child.		1	43	44		44		
	Total.		1	346	347		339	8	
Asthma.	Male.			2	2		2		
	Female.			—	—		—		
	Total.			2	2		2		
Hypertension.	Male.			—	—		—		
	Female.			1	1		1		
	Total.			1	1		1		
Grand Total.			914	35956	36870	19060	15040	1861	909

APPENDIX NO. VI.

CENTRAL LABORATORIES :

Investigations carried out in the Central Laboratory during the year 1985 (from 1st January 1985 to December 1985) in B. Y. L. Nair Ch. Hospital :—

Routine investigations in the Central Laboratory :—

Blood count and Hb.	17139	Urine.	12648
Stool.	6276	Occult Blood.	1745
Blood E. S. R. tests.	6573	Sputum.	2698
C. S. F. routine.	1793	Pleural fluid.	905
Acetic Fluid.	933	Blood Urea.	2215
Blood sugar.	2968	Throat swab.	506
Blood Malarial parasite.	1163	Blood serum billirubin.	138
		Total	37708

Collection to Material (Blood) :—

Blood Urea.	2379	Blood Sugar.	4769
Blood for P. P. Sugar.	4769	Blood Serum (Cholesterol)	689
Blood for R. A. Tests.	334	Blood Uric Acid.	186
Blood Serum Protein.	352	Blood Serum Calcium.	458
Blood L. F. T. Tests.	289	Blood V. D. R. L. Tests.	1849
Blood Serum Alkaline Phosphate.	457	S. G. O. T. & S. G. P. T.	82
Blood Widal Tests.	287	Blood Serum Creatinine Tests.	2081
Blood Serum Electrolytes.	978	Blood Serum Billirubin.	201
		Total	18160

Grand Total **55868**

INVESTIGATIONS DEPARTMENT WISE

1. DEPARTMENT OF PATHOLOGY :—

SURGICAL HISTOPATHOLOGY SECTION

1. Surgical tissue received.	4355
1. E. N. T. Tissue.	585
3. Santacruz Tissue.	609
4. Surgical blocks prepared.	9853

Details of surgical slides prepared.

1. E. N. T. Department.	750
2. Santacruz Hospital.	1000
3. Skin Department.	156
4. Medicine Department.	80
5. G. E. Department.	160
6. Practical Class.	150
7. Neurology Department.	110
8. Slides for meeting.	200
9. Request from staff.	400
10. Duplicate Slides.	350
11. Special Stains.	650
12. Tata Hospital.	125
13. Eye Hospital.	10
14. Reay Road Maternity Home.	6
Total	14000

HAEMATOLOGY SECTION.

Different types of investigations done in Haematology. are as follows :—

1. Complete haemogram.	6137
2. Hb, B. T. C. T.	1195
3. Platelet Counts.	601
4. Retic Counts.	1305
5. Malarial parasite slides.	696
6. Bone-Marrow slides.	89
7. L. E. Cell phenomenon.	104
8. G—6 P-D.	27
9. Filanial parasite slides.	2
10. Osmotic Fragility.	4
11. Sickle Cell phenomenon.	11
12. E, S. R.	32
Total	10203

Though 2399 appts were given for CHG S work load increased upto 6137 Nos.

CHEMICAL PATHOLOGY.

Blood Sugar.	37064	G. T. C.	18
Blood Urea.	24060	Creatinine.	20519
Creatinine Cf.	8	Uric acid.	1342
Fibrinogen.	347	Total Protein.	9439
Total Albumin.	9439	Total Globulin.	9439
Alk. Phosphatase.	6347	Vanden Bergh.	3989
I. Index.	3989	Bilirubin Total.	3343
Bilirubin Direct.	3343	S. G. O. T.	7850
S. G. P. T.	7850	P. T. P. I.	2833
Inorg. Phosphate.	1100	Acid Phespat.	237
S. Amylase.	689	S. Cholesterol.	4726
C. S. F. Sugar.	1576	C. S. F. Chloride.	1576
Urobilinogen.	8	Porphotrillinegen.	19
Total lipid.	132	Trygliceriod.	132
Phospho Lipid.	132	S. L. D. H.	980
S. Sodium.	27194	S. Potassium.	27194
S. Chloride.	12514	S. Calcium.	2342
Urine Calcium.	32	Urine Creatinine.	32
Urine Phosphate.	32	Urine Sodium.	71
Urine Potassium.	71	Urine Chloride.	32
Sweat Na.	1	Sweat K.	1
Sweat Cl.	1	V. M. A.	10
B. J. Protein.	2	Spectroscopy.	2
Hemoxmetry.	—	Blood gas.	1920
Pt. Lithium.	73		
		Total	234050

**P. M. HISTOPATHOLOGY SECTION.**

Investigations carried out in P. M. Histopathology.

P. M. HISTOPATHOLOGY SECTION.

Investigations carried out in P. M. Histopathology Section during the year 1985 :—

Autopsies performed during the year.	893
Post mortem blocks prepared & cut.	7585

Details of P. M. Slides prepared :—

1. Special Stains.	455
2. Practical class.	100
3. Duplicate slides.	895
4. Blocks cut for preparation of good slides study for post-graduate students.	200

CYTOLOGY SECTION.

Investigations carried out in Cytology Section during the period from January 1985 to December 1985 :—

Total No. of samples received.	736
Total No. of slides prepared.	1772
Total No. of blocks.	600

Different Specimens :—

Urine.	14	Pleural fluid.	102
Sputum.	109	Ascitic fluid.	115
Pericardial fluid.	8	Bronchial washings.	32
Ovarian Cystic fluid.	8	Pus.	6
C. S. F.	11	Peritoneal.	3
Breast aspirate.	57	Lymphnode Aspirate.	83
Thyroid. Aspirate.	142	Miscellaneous.	46

2. DEPARTMENT OF MICROBIOLOGY :**BACTERIOLOGY SECTION**

Total No. of investigations carried out during the year 1985 :—

Clot culture.	1333	Blood culture.	461
Urine.	4166	Sputum AFB.	3149
Sputum Culture.	1309	Pus & Aspiration.	1194
C. S. F.	1579	Ascitic Fluid.	227
Pleural Fluid.	281	Pericardial Fluid.	14
Peritoneal Fluid.	48	Bronchial Aspiration.	96
Liver Aspiration.	12	Knee Aspiration.	9
Hydrocele Fluid.	—	Synovial Fluid.	2
Dylias Fluid.	6	Umbilical Swab.	5
Throat Swab.	400	Nasal Swab.	8
Ear Swab.	101	Conjunctival Swab.	58
Brain Swab.	12	Ulcer Swab.	28
Vaginal Swab/Cervical Swab.	42	Urethral Swab Semen.	16
Tracheal Swab.	25	Endometrium.	45
Bile.	37	Stool.	366
Tissue.	6	Eye Swab.	6
Gastic Aspiration.	13	Lymphnode.	3
C. V. P. & Catheter tip.	95	Tympanic membrane scraping.	—
Anaerobic Culture of O. T.	153	Anaerobic Culture.	105
Tuberculosis Test	1034	Sensitivity Test.	3140
Post mortem blood culture.	72	Post mortem miscellaneous.	50
O. T. Swabs for sterility.	153		

Total	19859
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MYCOLOGY SECTION.

C. S. F.	43	Sputum.	7
Urine.	42	Stool.	9
Swabs.	70	Fluids.	13
Miscellaneous.	16		

Total	200
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FOOD HANDLERS' SCHEME.

1. Total No. of food handlers examined.	982
2. Total No. of food handlers' stool examined.	982
3. Total No. of repeat stool examined.	27
4. Total No. of food handlers' urine examined.	982
5. No. of widal test carried out.	982
6. No. of widal repeated.	15
7. Total No. of stool culture for Salmonella.	NIL
8. No. of stool culture +ve for Salmonella.	NIL

SEROLOGY SECTION.

Blood V. D. R. L.	8834	C. S. F. V. D. R. L.	792
Blood Widal.	1346	Paul Bunnell Test.	11
R. A. Test.	528	A. S. O. Titre Test.	174
Aldehyde Test.	3	Bricellosis.	1

Total	11689
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+ No. of widal of Food Handlers' Scheme (Widal test).

1130

Grand Total.

12819

3. DEPARTMENT OF PHARMACOLOGY :**Diagnostic investigations done in 1985 :-**

1. Bone Scan.		27
2. Brain Scan.		94
3. Brain Dynamic studies.		25
4. Live Scan.		355
5. Renogram.		60
6. Renal Scan.		60
7. Thyroid Scan.		359
8. T3 Serum T3 levels.		795
9. Serum T4 levels.		795
10. Surum TSH levels.		125

4. BLOOD BANK :**1. Blood collection :-7370**

Voluntart (Indoor & Outdoor).	5005	Replacements.	1403
Bottles brought from other hospitals.	962	No. of outdoor sessions.	75

2. Blood Utilisation :

Transfusion given to Nair Hospital patients.	6202
No. of blood bottles used for Nair Hospitl patients.	5130
No. of blod bottles given to other hospital.	1446
No. of boold bottles sent for plasma to Haffkine.	475
No. of blood bottles discarded.	206

3. Blood components prepared. :

Packed cells.	950
Saline washed pack cells.	20
Pooled plasma.	204
Plateletes.	21
Buffy coat.	11
Fresh Frozen plasma.	310
Cryoprecipitates.	46
Pheresis packs.	9

4. Pretransfusion tests done in Donor samples :

Grouping.	7370
Antibody screening — Total No. tested.	7370
— Irregular antibodies detected.	4
Hepatitis screening — Total tested.	7370
— HBs ag positive.	99
— HBs ag negative.	7271
VDRL screening — Total.	5194
— Positive.	29
— Negative.	5165
Low titre screening done.	500
High titre found.	1

5. Pretransfusion tests done in patients :

1. Routine grouping.	433
2. Grouping with cross matching.	4059
3. Antibody detection.	4059
Irregular antibodies.	13
4. Compatibility tests done.	10488
5. Hepatitis screening in patients.	
a. Undergoing cardiac surgery and multiple transfusion.	62 (3)
b. HBs ag tests referred from AKD and other patients.	125 (17)

6. Antenetal Serology :

1. Grouping.	3059
2. Antibody detection.	3059 (4)
3. Cord blood grouping.	3400
4. M. T. P. grouping.	318

7. Miscellenous investigations :

Coomb's tests.	DCT 113 (8)
	IDCT 63 (8)

8. Preparation of reagents :

Copper sulphate.	50 lts.
Papain cystein.	2 lts.
Normal saline.	200 lts.

APPENDIX No. VII.

RADIOLOGY DEPARTMENT :		
Investigations carried out :—		
	Total No. of patients.	
I. Respiratory system :—		
Bronchograms.	37	
II. Cardio-vascular system :—		
Aortogram.	20	
Carotid Angiogram.	188	
V. B. Angiogram.	—	
Renal Angiogram.	13	
Femoral Angiogram.	24	
Trans-Lumber Aortogram.	4	
Venogram.	23	
Selective Angiogram.	1	
III. Gastro-intestinal system :—		
Sialography.	9	
Barium Swallow.	210	
Barium Meal.	645	
Hypotonic Duedenography.	—	
Barium Enema.	139	
Oral Cholecystogram.	105	
I. V. Cholangiogram.	6	
T. Tube Cholangiogram.	13	
Porto-venogram (Spleenogram).	32	
P. T. D.	8	
IV. Genetic Urinary System :—		
I. V. P.	513	
Ascending Pyelography.	67	
Cysto Urethrogram.	10	
Ascending Urethrogram.	23	
Mict. Cystourethrogram.	68	
Nephrostomy tube study.	6	
V. C. N. S. :—		Total No. of patients.
Conray Ventric.	8	
Myelogram. '87	137	
Dye Myodil Ventric.	3	
VI. Obstetrics and Gynaec :—		
Hystero-salpingogram.	104	
VII. Miscellaneous :—		
Fistulogram.	3	
Sinusogram.	20	
Lymphangiogram.	2	
Cavitogram.	6	
Tubogram.	3	
SVC Gram.	2	
Invertogram.	2	
Epidogram.	3	
VIII. Ultrasonography :—	5125	
E. R. C. P.	139	
Routine X—ray investigations.	56369	
Total No. of patients X-rayed during the year.	58838	
Total No. of X-ray plates used during the year.	102842	
Investigations carried out for Orthopaedic work at Kasturba Hospital :—		
1. Total No. of patients X-rayed during the year.	3250	
2. Total No. of X-ray plates used during the year.	6502	
3. Total Investigations (Procedures) :—		
Myelograms.	10	
S. P. Pin.	161	

APPENDIX No. VIII.

List of Research Work.

Doctor.	Subject.
DR. A. E. MODY.	1. DEPARTMENT OF SURGERY : Clinical evaluation of CEFUROXIME Injection in Surgical Infections. A comparative study of different modalities of treatment for PILES.
DR. SUBRAMANIAN. DR. BALGI.	2. DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE : Study of Neonatal Tetanus in B. Y. L. Nair Ch. Hospital.
DR. PAI. DR. NAIK. DR. SHANBHAG.	Impact of Health Care package on Balwadi Children.
DR. PANDIT.	Morbidity and Mortality patterns amongst the youth.
DR. PAL DR. NAIK. DR. SHANBHAG.	Study of High Risk children in urban slum community.
DR. SHANBHAG.	Study of Health problems of Destitute children at Balkalyan Nagri.
DR. ARAS.	Study of Medical termination of Pregnancy in adolescent girls.
DR. PAL DR. SUBRAMANIAN. DR. NAIK. MR. JAIN. MR. NAIMUDDIN.	Maternal and child health survey at Deonar.
DR. SUBRAMANIAN. DR. PAI. MR. JAIN.	Study of Immunisation status in slums.
DR. SUBRAMANIAN. MR. NAIMUDDIN. MR. MALWAD. MRS. JAYSHREE. MRS. KANNAN. MR. JAIN.	Youth survey in slums (knowledge and attitudes on multiple aspects.).
	3. DEPARTMENT OF DERMATOLOGY & VENEREOLOGY :
	Gonococcal cultures, Auxotyping & Antibiotic Sensitivity.
	Fungal Cultures.
	Urticaria — a clinical therapeutic study.
	Contact Dermatitis — Patch testing.
	Acne Vulgaris — treatment with Diane.
	4. PHYSIOTHERAPY DEPARTMENT :
	EMG and N. C. studies in C. O. P. D. patients.
	Evoke potential studies.

Doctor.	Subject.
	<p>5. DEPARTMENT OF RESPIRATORY DISEASES :</p> <p>A study of Cervical Lymphadenitis, including lymph node culture study.</p> <p>Short-term Chemotherapy Trial involving the use of RIF + INH + PZA in sterilization phase and INH + Thiacetazone in the continuation phase.</p> <p>Fate of Refusal for surgery for pulmonary tuberculosis.</p> <p>Prevalence of Diabetes among pulmonary tuberculosis patients.</p> <p>Study of Prevalence of Atypical Mycobacteria in the City of Bombay with strain typing and Biochemical test.</p> <p>Comparison of Bronchial alveolar lavage obtained through Fiber—Optic Bronchoscope in cases on interstitial and granulomatous lung diseases and normal individuals.</p> <p>Comparison of Bacteriological pattern of sputum obtained through Fiber-Optic Bronchoscope and routine method of collecting sputum.</p>
	<p>6. ENDOCRINOLOGY DEPARTMENT :</p> <p>To evaluate different Medias for improving sperm Motility and separation of X & Y sperms.</p> <p>To evaluate Pure FSH (Metroding) in relation to HMG (Pergonal) in ovulation induction.</p> <p>To correlate u. s. changes in Follicular maturation to eastradiol and urine estrone levels.</p> <p>To correlate between the direct IgG MAR test (Mixed antiglobulin reaction test) and semen parametre in cases of 'unexplained' infertility.</p> <p>Immunological study—cell mediated immune response in infertile cases.</p>
	<p>7. DEPARTMENT OF MICROBIOLOGY :</p> <p>Drug trial for Silver Sulphadiazine Cream used in local treatment of burn injury.</p> <p>Study of N. gonorrhoea in treatment failure cases, characterisation and Auxotyping.</p> <p>Use of antrima in cases of acute gastroenteritis.</p>
	<p>8. DEPARTMENT OF ANATOMY :</p> <p>Special Exfoliative cytology including the use of Tetracyline Fluorescence for exclusion of malignancy.</p> <p>Developing a histological stain from plant extracts.</p> <p>Use of calcium hydroxide as a stimulator for the bone.</p> <p>Study of G. G. T. In toxic liver In injury.</p> <p>Study of G. G. T. In ascending colon biopsies.</p>
<p>Dr. G. V. Koppikar. Mr. R. L. Noronha.</p> <p>Mr. M. G. Kulkarni.</p> <p>Dr. (Mrs.) P. K. Murti. Mr. R. L. Noronha.</p> <p>Under the guidance of Dr. E. J. DeSouza.</p>	

Doctor.	Subject.
	<p>9. DEPARTMENT OF BIOCHEMISTRY :</p> <p>Biochemical profile in anaesthesia during surgery.</p> <p>Biochemical studies in mental disorders.</p> <p>Biochemical studies in Rheumatoid arthritis.</p> <p>Human Chorionic Gonadotropin/Lutenizing hormone, receptors — Extraction and Application.</p> <p>Immunological aspects of Andrology.</p> <p>In progress :</p> <p>Biochemical aspects in contraception.</p>
	<p>10. PHYSIOLOGY DEPARTMENT :</p>
Dr. (Smt.) V. G. Parulkar.	Guidance for research work being carried out in the department.
Dr. Malathi.	Reaction time studies in diabetic smokers and diabetic non-smokers.
Smt. S. Kulkarni.	<p>Comparison of Reaction time between smokers and non-smokers and immediate effect of smoking on R. T.</p> <p>Study of Hematological Parameters in diabetic and non. diabetic smokers and non-smokers.</p>
Dr. Icchaporia.	<p>Reaction time studies in diabetic smokers and diabetic non-smokers.</p> <p>Comparison of Reaction Time between smokers and non-smokers and immediate effect of smoking on R. T.</p>
	<p>11. DEPARTMENT OF GASTROENTEROLOGY :</p> <p>Effect of red chilli powder on intragastric pH.</p> <p>Viral markers in cirrhosis.</p> <p>Traumatic Proctitis.</p>
	<p>12. DEPARTMENT OF HAEMATOLOGY :</p> <p>'Exifol' trial.</p> <p>Iron Metabolic Parameters in Health and disease.</p>

APPENDIX No. IX.

List of Publications and papers read :—

Doctor.	Subject.	Particular where published.
1. DEPARTMENT OF MEDICINE :		
Dr. N. J. Navavati. Dr. Kalpana Pilane.	Pneumococcal meningitis with purpura.	Journal of Association of Physicians of India, 1985, 32 : 554.
Dr. V. R. Joshi. Dr. G. S. Sainani.	Hepatitis — B Carrier State.	Journal of Association of Physicians of India, 1985, 33, 561—62.
Dr. Hema Patel. Dr. V. R. Joshi.	Iatrogenic diseases.	Therapeutic and Drugs Aushadhi, 1985, Vol. 1, 4—9.
Dr. N. J. Navavati. Dr. V. R. Joshi.	Unconscious	Jour. Gen. Pract. 1985, Vol. XII, pg. 7—14.
Dr. A. J. Pai Dhungat. Dr. P. Varthakavi. Dr. V. R. Joshi.	Exercise testing in respiratory diseases.	Journal of Association of Physicians of India, 1985, Vol. 33, pg. 656—658.
Dr. V. R. Joshi. Dr. G. S. Sainani.	Alcohol and Zinc incomplete story.	Journal of Association of Physicians of India, 1985, Vol. 33, pg. 687.
Dr. V. R. Joshi. Dr. P. J. Mehta. Dr. P. Abraham.	Bhopal Tragedy. One year later.	Journal of Association of Physicians of India, 1985, Vol. 33, pg. 755—756.
Dr. V. R. Joshi. Dr. A. V. Joshi.	Treatment of Angina Pectoris.	Hoechst Med. Quart. 1985, Issue No. 5, pg. 8—15.
Dr. P. Varthakavi. Dr. G. Thayil. Dr. S. Amin. Dr. S. D. Mehtalia. Dr. S. L. Soneji. Dr. V. R. Joshi. Dr. J. N. Desai. Dr. D. F. Daruwalla. Dr. P. J. Mehta. Dr. D. A. Joseph.	Hypocalcaemic congestive heart failure—a post-parathyroidectomy complication	Ind. Heart. Jour. 1985, Vol. 37, No. 5, pg. 311—314.
	Amniodarone — Review Article.	Therapeutics and Drugs Aushadhi, 1985, Vol. 1.
2. GENERAL SURGERY DEPARTMENT.		
Dr. D. R. Trivedi.	Role of Hyperbaric Oxygen Therapy in the management of burns.	
	Sclerotherapy for oesophageal varices.	
Dr. D. R. Trivedi.	Percutaneous cholelithotomy in the management of Obstructive Jaundice patients.	Read at Bombay Medical Congress, December 1985.
Dr. (Mrs.) V. D. Trivedi.	Rate of hyperbaric oxygen Therapy in the management of burns.	
	Sclerotherapy of burns.	
Dr. S. S. Lal.		Chairman Session on TUR IX Annual U. S. I. meeting, Ooty.
	Paper on 522 cases of Varicoul.	IX Annual U. S. I. meeting, Ooty.
	Microsurgical Vasovasostomy.	Article published in Indian Journal of Urology, March 1985.

Doctor.	Subject	Particulars where published.
3. DEPARTMENT OF PAEDIATRIC :		
Dr. (Mrs.) P. M. Pai.		Vice President : Organising Committee. Satellite Symposium on 'Impact of Clinical' Pharmacology on developing countries, January 1985.
		Chairman of a session. Satellite Symposium on 'IMPACT of Clinical Pharmacology on developing countries, January 1985'.
	Children in need of Help.	Chairman and Speaker at the course on counselling and education organised by P. V. D. T. College, S. N. D. T. University, January 1985.
	Antipyretic effects of Ibuprofen suspension in child.	At 3rd Annual Conference of Indian Society for Clinical Pharmacology and A. P. I., Bangalore, January 1985.
		Conference on hospital and health care management, February 1985.
Dr. (Mrs.) P. M. Pai.		Chairman, Newer vaccines symposium 1st Conference API, Bombay, March 1985.
	Meningococcal Meningitis is it a threat ?	1st meeting of I. A. P. Bombay Branch, June 1985.
	Newer Chemotherapeutic drugs in management of Paediatric Gastrointestinal infection.	Symposium held by Mahim Dharavi Med. Association & May & Baker Co. Pvt. Ltd., 30th June 1985.
		Member, organising Committee : National Workshop on Production of Morbidity & Mortality from Respiratory Disorders in our child population Indian Academy of Pediatrics, G. S. Medical College, Lyka Lab., October 1985.
		Member, organising Committee. National Workshop on Paediatrics Nursing I. A. P., J. J. Hospital & Govt. of Maharashtra, September 1985.
		Chairman, Scientific Session, National Seminar on Neonatal Jaundice — on update. Research Society Workshop and Institute of Immunohematology (ICMR) 15th September 1985.
		Organising Secretary — Challenges in Paediatric Cardiology 1985. Organised under the auspices of Nair Golden Jubilee Research Foundation and Dept. of Paediatrics, September 1985.
	Enteric fever in paediatric age group.	National Seminar on Enteric Fever. Indian Association of Communicable Diseases & Research Society, Kasturba Hospital for Infections Diseases, December 1985.

Doctor.	Subject.	Particulars where published.
Dr. R. P. Agarwal.		<p>National Conference of Paediatrics (IAP), Trivendrum.</p> <p>Workshop on Protection of child consumer, Indian Academy of Paediatrics, Gorakhpur.</p> <p>Workshop on Respiratory disorders, I. A. P., Bombay.</p>
Dr. R. K. Anand.		<p>Resource person for 'Breast Feeding Management Training Course, organised by MAPBIN and Unicef, Mauritius, May 1985.</p> <p>Workshop on Protection of Child Consumer, Indian Academy of Paediatrics, Gorakhpur, September 1985. Chaired one session.</p> <p>National Conference of Indian Academy of Paediatrics, Trivendrum, November 1985. Chaired one session and judged one award session.</p> <p>Resource person for WHO Workshop on Oral Rehydration, Bombay, December 1985.</p>
Dr. (Mrs.) R. J. Khanna.		<p>'Challenges in Paediatric Cardiology 1985' 24th September 1985.</p> <p>National Workshop on Reduction of Mortality & Morbidity from Respiratory Disorders in Children, October 1985.</p> <p>Faculty member for WHO aided Clinical Demonstration on ORT— 2 days in December 1985.</p>
Dr. (Mrs.) R. H. Udani.		<p>5th Asian Congress of Paediatrics, Kuala Lumpur, August 1985.</p>
Dr. (Mrs.) Udani.		<p>'Challenges in Paediatrics— Cardiology 85', September 1985.</p> <p>International Satellite Symposium 'Impact of Clinical Pharmacology in Developing Countries' January 1985.</p> <p>Member in the Panel of Judges. 1st meeting of Bombay Branch of Paediatricians.</p>
Dr. (Mrs.) S. M. Joshi.		<p>Faculty member for WHO aided Clinical Demonstration ORT December 1985.</p> <p>International Symposium 'Impact of Clinical Pharmacology in developing countries,' January 1985.</p> <p>Challenges in Paediatric Cardiology. September 1985.</p> <p>National Workshop on Reduction of Mortality & Morbidity from Respiratory disorders in our child population October 1985.</p>

Doctor.	Subject.	Particulars where published.
Dr. (Smt.) C. Bathija.		Challenges in Paediatric Cardiology, September 1985.
Dr. (Smt.) C. V. Hegde.		Challenges in Paediatric Cardiology, September 1985.
		National Conference on Newer Aspects of Blood Transfusion at K. E. M. Hospital, Bombay November 1985.
Dr. R. K. Anand.	Inadequacy of breast milk— a myth or reality.	Indian Paediatric, 1985, 22 : 879—900.
Dr. R. H. Udani.	Study of the knowledge regarding the feeding practices, immunization and family planning methods in mothers of Shivaji Nagar, Bombay.	The Medicine and Surgery Vol. 15, 12—14, 1985.
Dr. R. H. Udani.	Indian Childhood Cirrhosis (a review article).	The Medicine and Surgery Vol. 15 : 48—52, 1985.
Dr. S. M. Joshi.	Staphylococcal empyema.	Ind. Paediatr. July 1985 500—505.
	Cystic anginomatosiis of bone.	Indian Paediatrics, 22, 3 : 241, 1985.
	Drug Therapy in malnourished children.	The Medicine & Surgery Vol. XXV, No. 2, P. 25, 1985.
Dr. (Mrs.) P. M. Pai. Dr. S. M. Joshi.	Psychosocial impact of chronic illness on child family.	XXII National Conference of the Indian Academy of Paediatrics, Trivendrum, 1985.
	Lactation performance in the immediate postpartum period.	XIII National Conference of I. A. P., Trivendrum.
Dr. (Mrs.) P. M. Pai.	Management of enteric fever in Children.	National Seminar on Enteric Fever, Indian Association of Communicable Diseases & Research Society, Kasturba Hospital for Infectious Diseases, December 1985.
Dr. R. P. Agarwal.	Lactation failure a myth.	Workshop on protection of child consumer, I. P. A., Gorakhpur.
	Equipment and staffing of intensive respiratory care.	Workshop on respiratory disorders, I. A. P., Bombay.
Dr. R. K. Anand.	Infant foods—domestic alternatives to market preparations available.	Guest Speaker, Indian Medical Association and Association of Paediatricians Kolhapur.
	Feeding infants in Developing countries.	Precongress Workshop on Prevention of Mental Retardation in Developing countries, Bombay.
	A dialogue on diarrhoea, dehydration diet in infancy and immunisation.	Indian Medical Association, Baroda.

Doctor.	Subject.	Particulars where published.
Dr. R. K. Anand.	Management of breast feeding in Special situations.	Breast Feeding management Training course. Organised by MAPBIN and UNICEF, Mauritius.
	Breast feeding.	Postgraduate Training course of Bombay Obstetric and Gynaecological Society in Collaboration with National academy of Medical Sciences.
	Experiences in protection of child consumer An overview.	Workshop on Protection of Child Consumer, I. A. P., Gorakhpur.
	Immunization — Facts and Fiction in light of Recent Concepts.	Interdepartmental meeting of Departments of Preventive and Social Medicine, Bombay.
Dr. R. H. Udani.	Facts and attitudes towards health, nutrition and on family planning methods in urban slums, Bombay.	International Conference on Hospital and Primary Health Care held at New Delhi.
	Some aspects of post transfusion hepatitis with special reference to hepatitis B antigenemia in Paediatric population.	5th Asian Congress of Paediatric, Kaula Lumpur.
Dr. S. M. Joshi.	Diagnostic BCG test in Measles, malnutrition and anaemia.	National Conference of I. A. P., Trivendrum.
	Impact of chemotherapy on BCG test.	National Conference of I. A. P., Trivendrum.
4. DEPARTMENT OF ANAESTHESIA :		
		Symposium on IV Anaesthetics at B. Y. L. Nair Ch. Hospital under the auspices of the Indian Society of Anaesthetists (Bombay Branch) 29th May 1985.
		Weekly Seminars at the B. Y. L. Nair Ch. Hospital as part of departmental activity.
Dr. V. M. Divekar.	Theatre Pollution.	At the Annual Conference of the Indian Society of Anaesthetists at Bombay.
Dr. Daisy Buhariwala. Dr. V. M. Divekar.	The Interscalene Brachial Plexus Block.	At the Annual Conference of the Indian Society of Anaesthetists at Bombay.
Dr. (Mrs.) I. D. Panchal.	The Ambu Paedi Circuit.	At the Annual Conference of the Indian Society of Anaesthetists at Bombay.
Dr. S. H. Ughadmathe. Dr. V. M. Divekar.	Use of Pancurenium Bromide in caesarean sections.	At the Annual Conference of the Indian Society of anaesthetists at Bombay.
Dr. Rehka Patel. Dr. V. M. Divekar.	The 26 — gauge spinal needle.	At the Annual Conference of the Indian Society of Anaesthetists at Bombay.

Doctor.	Subject.	Particulars where published.
Dr. (Mrs.) V. M. Divekar.		Elected President of the Indian Society of Anaesthetists for the year 1986.
Dr. (Mrs.) V. M. Divekar.	Use of Etomidate in electroconvulsive therapy.	Indian Journal of Anaesthesia.
5. DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE.		
Dr. N. P. Pai.	Different approaches to health education in primary health care.	At National Congress of Association of Medical Women in India 26—27 December 1985.
	Maternal and child health services in the context of Primary Health care.	Proceeding of International Conference on hospital administration and primary health care, New Delhi, January 20—25, 1985. Intercorporating Hospital administration Vol. XXII No. 1 and 2.
Dr. N. P. Pai.	Primary health care of preschool children.	Proceeding International Conference on hospital administration and Primary health care New Delhi, January 10—25, 1985, Intercorporating hospital administration Vol. XXII No. 1 and 2.
	Health profile of preschool children.	The journal of General Practice Vol. XII No. 3, June 1985.
	Health education game population.	Education News, November—December 1985.
	Child labour problems.	Article in 'Body and Beauty Care' magazine February 1986.
Dr. (Smt.) P. Subramanian.		Moderated a session on All India Radio on Immunisation in the session 'Doctor talk of over' in June 1985.
	Eroticism and Fulfilment.	At VII World Congress on Sexology held in Delhi, November 1985.
Dr. Vijay A. Naik.	Study of home industries in an urban slum community.	At XXXIII Annual Convention of IAOPH Bombay Branch on 31st March 1985.
	Knowledge, attitude and practices of leprosy in two different sections of the population. (Co-author).	Indian Journal of general practice, August 1985.
Dr. Daksha D. Pandit.	Health education game.	Population Education News, Nov.—December 1985, Volume XII, No. 8-9, Page No. 11.
	Knowledge, attitude and Practices of 'Dais' (TBAS) in an Urban Slum community.	Proceeding of XV Annual Indian Association of Preventive & Social Medicine Conference 1985, P. 83—89.
	Oral rehydration.	A poem, PEN, Volume XVI January 1985, No. 1, P—11.

Doctor.	Subject.	Particulars where published.
Dr. Daksha D. Pandit.	Knowledge attitude and practices of 'Dais' in an Urban Slum Community.	At XV Annual Conference of IAPSM 1985.
	Different approaches to health education in primary health care.	At National Congress of Association of Medical Women in India, December 1985.
Dr. Radna Y. Aras. Dr. N. P. Pai.	Maternal and child health — services in the context of Primary Health Care.	International Conference on Hospital and Primary Health Care, 20-25, January 1985, New Delhi.
	Effectiveness of health education on pregnant women.	National Congress of the Association of Medical Women in India (Bombay Branch), 26th, 27th December 1985, Bombay.
	Maternal and child services in the context of Primary Health Care.	Proceedings International Conference on Hospital and Primary Health Care, New Delhi, January 20—25, 1985 incorporating Journal of Hospital Administration, Vol. XXII, No. 1 and 2, P. 216—222.
6. DEPARTMENT OF PLASTIC SURGERY :		
Dr. S. M. Mahaluxmivala.		Attended XIIth National Conference of Indian Society of Surgery of Hand, XXth National Conference of Association of Plastic Surgeons of India. He was invited to Chair Scientific Sessions at all the above conferences.
Dr. Narendra Pandya.		Organising Secretary for 31st Annual Conference of International College of Surgeons, Indian Section. He also attended and chaired a session in Plastic Surgery Workshop held at Bangalore.
Dr. S. M. Mahaluxmivala.		Invited to give C. M. E. Guest lecture on "MAMMAPLASTY".
	Comparative study of cleft lip repair.	At 40th National Conference of Association of Surgeons of India.
Dr. Ashok Shah.	Tangential excision of keloid.	At XIIth National Conference of Indian Society of Surgery of Hand. (Received best paper award).
	Reconstruction of thumb.	At XXth National Conference of Association of Plastic Surgeons of India.
	Role of cecili-culp in repair of hypospadias.	At 40th National Conference of Association of Surgeons of India.
Dr. Kalpesh Gajiwala.	Fresh approach for skin grafting with autogenous tissue glue.	At 40th National Conference of Association of Surgeons of India.

Doctor.	Subject.	Particulars where published.
7. OPHTHALMOLOGY DEPARTMENT :		
Dr. (Mrs.) G. Murthy.	A new surgical technique for repair of freshly lacerated canaliculus.	Free papers read at 5th Maharashtra State Ophthalmological Society Conference 1985, at Aurangabad on 12th, 13th October '1985. (Won first prize for best paper.).
	Comparative study of surgical and non-surgical treatment of pterygium.	Afro-Asian J. Ophthalmol., Vol. IV, No. 1, June, pp. 46, 1985.
	A new surgical technique to reinforce paralysed lateral rectus muscle.	Afro-Asian J. Ophthalmol. III No. 4, March, pp. 181, 1985.
	Trans—conjunctival band extrusion following scleral buckling surgery.	Afro-Asian Journal of Ophthalmol. Vol. IV, No. 2, September pp. 81—83, 1985.
	A typical and abortive forms of mandibulofacial dysostosis-interesting cases.	
Dr. (Mrs.) G. Murthy.	Congestive Glaucoma attack in chronic simple glaucomatous eye precipitated by sudden massive haemodilution submitted for publication.	
	Divergent squint with myopia in Hemifacial Atrophy in two siblings.	
		Attended National Symposium on Planned extracapsular extraction and intraocular lense implantation surgery at Nagpur on 14th and 15th December 1985.
8. DEPARTMENT OF DERMATOLOGY AND VENEREOLOGY :		
	Recent Trends in Sexually Transmitted Diseases — G. Vaginale infection. Alkaptenuria (Onchronosis).	
	Ehler's Danles Syndrome Type 11 with Marphanas Syndrome.	
	A clinical epidemiological and therapeutic appraisal of Donovanesis.	
	Hereditary sensory neuropathy.	

Doctor.	Subject.	Particulars where published.
9. DEPARTMENT OF RESPIRATORY DISEASES :		
Dr. G. S. Perhar.	Management of Respiratory failure.	President of 'American College of Chest Physician', Western India Chapter. At the conference of 'American College of Chest Physician'.
Dr. G. S. Perhar.	Complication of Tuberculosis in General.	At the "General Practitioner Association" A. P. I.
	Pulmonary suppuration — an analysis of 39 cases.	At the National Conference on Tuberculosis and Chest Diseases held at Shillong in November '1985.
	Comparison of Incidence and Course of Tuberculous Meningitis in BCG. Vaccinated and Non-vaccinated individuals.	At the XIVth Eastern Regional Tuberculosis Conference of International (I.U.A.T.) held at Kathmandu (Nepal) in November — December 1985.
Dr. S. P. Shah. Dr. G. S. Perhar.	Laser therapy in Bronchogenic Carcinoma.	For publication in J. A. P. I.
Dr. N. C. D'Cunha. Dr. S. P. Shah. Dr. G. S. Perhar.	Gallium Scanning in Respiratory Diseases.	For publication in J. A. P. I.
10. ARTIFICIAL KIDNEY DIVISION :		
Dr. J. N. Desai. Dr. V. V. Shanbhag.	Hypoglycaemia on chronic Haemodialysis.	At the first Annual Conference of Bombay branch of A. P. I. in March 1985.
11. ASTHMA AND OBSTRUCTIVE AIRWAY DISEASES CLINIC :		
	A comparison of Cardiopulmonary and metabolic parameters in acute asthma and exercise induced asthma.	Banglore, January 1985, Annual Conference of Association of Physicians of India.
Dr. (Mrs.) A. J. Pai-Dhungat.	Exercise induced asthma.	Spoken at symposium on bronchial asthma was held at the 1st Conference of the Bombay Branch of API.
	Cardiopulmonary & Metabolic alteration in bronchial asthma : a comparison of I. V. Aminophylline S. C. Adrenalline & inhaled Isoprenaline.	At the Fifth National Conference on Respiratory diseases.
		Chaired a session on industrial air pollution at the Jaipur conference in December 1985.

Doctor.	Subject.	Particulars where published.
	12. DIABETES CLINIC :	
	Amyotrophy in young diabetics.	At the 41st Conference of the API at Udaipur.
	CSII in Uncomplicated diabetics.	At the 41st Conference of the API at Udaipur.
	13. HYPERTENSION CLINIC :	
Dr. S. A. Kamath. Dr. V. V. Shanbhag.	A study of 151 cases of hypertension in the young.	At the IInd International Conference on Hypertension.
Dr. J. N. Desai. Dr. A. J. Desai. Dr. P. J. Mehta. Dr. S. K. Bichile. Dr. A. R. Nath.	Pelvis Pheochromocytoma unusual site of presentation.	At the IInd International Conference on Hypertension.
Dr. P. J. Mehta.		Secretary General of the IInd International conference on Hypertension, Bombay December 6-8, 1985.
	14. CARDIOLOGY DEPARTMENT :	
Dr. S. Sharma. Dr. A. G. Desai. Dr. M. G. Pillai. Dr. S. G. Kinare. Dr. S. R. Panday.	Clinical and diagnostic features of pulmonary valve endocarditis in setting of congenital cardiac malformation.	Int. J. Cardiol. 9, 457-464 : 1985.
Dr. S. Sharma.	Pulmonic valve infective endocarditis.	Am Heart j. 110, 1380 : 1985.
Dr. S. Sharma. Dr. A. Tendolkar. Dr. G. B. Parulkar.	Angiosarcoma of the heart.	Am Heart J. 109, 601-602 : 1985.
Dr. A. G. Desai. Dr. S. Sharma. Dr. A. Kumar. Dr. R. C. Hansoti. Dr. B. R. Kalke.	Endocardiographic diagnosis of unruptured aneurysm of right sinus of valsalva an unusual cause of right ventricular out-flow tract obstruction.	Am Heart J. 109, 363 - 365 : 1985.
Dr. M. G. Pillai. Dr. S. Sharma. Dr. S. C. Munsli. Dr. A. G. Desai. Dr. S. R. Panday.	Value of endocardiography in detecting rheumatic tricuspid stenosis.	J. cardiovasc. Ultrasonography 185-191, 195.
Dr. D. F. Daruwala. Dr. A. G. Desai. Dr. S. Sharma. Dr. M. R. Mashru. Dr. R. C. Hansoti.	Ascending aorta aneurysm in isolated right aortic arch.	Clinical Cardiology 1985.
Dr. K. G. Naik. Dr. S. Sharma.	Rheumatic heart diseases.	In International Text Book of Cardiology, Editor Tsung O Cheng, Pergamon Press, USA, 1985.
Dr. S. Sharma.	Coronary artery spasm.	Text book on update in Cardiology (in press).
Dr. S. Sharma. Dr. Y. Loya.	The management of acute myocardial infarction.	Indian J. of drugs (in press).

Doctor.	Subject.	Particulars where published.
Dr. S. Sharma.	New Inotropic drugs.	Indian J. of drugs (in press).
Dr. A. K. Mehta. Dr. D. F. Daruwala. Dr. A. G. Desai. Dr. S. Sharma. Dr. R. C. Hansoti.	Esophageal Electrocardiography.	J. Asso. Phys. India, 33; 233—235 : 1985.
Dr. A. K. Mehta. Dr. S. Sharma. Dr. D. F. Daruwala. Dr. A. G. Desai. Dr. R. C. Hansoti.	Utility of two dimensional echocardiography in the detec- tion of left ventricular intracavitary mass.	Indian Heart J. 37; 119-122 : 1985.
Dr. A. G. Desai. Dr. S. Sharma. Dr. M. R. Mashru. Dr. R. C. Hansoti.	Ventricular septal rupture following acute myocardial infarction. : Contrast two dimensional echocardiographic diagnosis.	Indian Heart J. 37, 110—112: 1985.
Dr. S. Sharma.	Electrocardiographic diagnosis.	Applied Medicine 11; 189 : 1985.
Dr. S. Sharma.	Electrocardiographic diagnosis.	Applied Medicine 11; 739, 1985.
Dr. P. R. Nanavati. Dr. S. Sharma. Dr. A. G. Desai. Dr. R. C. Hansoti.	Clinical and investigative profile of isolated congenitally corrected transposition of great arteries.	Indian Heart J. 37; 315—318 : 1985.
Dr. A. K. Mehta. Dr. D. F. Daruwala. Dr. A. G. Desai. Dr. S. Sharma. Dr. C. V. Shah. Dr. K. D. Shah. Dr. R. C. Hansoti.	Role of two dimensional echocardiography in the detec- tion of complications after myocardial infarction.	Indian J. Medical ultrasound 2; 67-72, 1985.
Dr. P. R. Nanavati. Dr. S. Sharma. Dr. A. G. Desai. Dr. R. C. Hansoti.	Two dimensional echocardi- ographic recognition of discrete subaortic membrane in a case of situs inversus dextrocardia.	Indian Heart J. (in press).
Dr. J. A. Lalkaka. Dr. S. Sharma.	Unusual electrocardiographic findings in a case of hyper- trophic cardiomyopathy.	Indian Heart J. (submitted).
Dr. S. Sharma. Dr. S. P. Baliga. Dr. B. J. Pandey. Dr. B. R. Kalke.	Cross sectional echocardi- ography in recognition of left ventricular aneurysm following closed mitral valvotomy.	Indian Heart J. (Submitted).
Dr. B. J. Pandey. Dr. S. Sharma.	Profile of patients with myocar- dial infarction and normal coronary arteries.	Indian Heart J. (Submitted).
Dr. S. Sharma.	Evaluation of the coronary angiogram for selecting patients for percutaneous transluminal coronary angioplasty.	Joint Annual Conference of cardio- logical society of India (CSI) and Association of Thoracic surgeons of India (TSI), Guwahati -1985. (Abstracts). Indian Hear J. 37; 236 : 1985.
Dr. S. Sharma. Dr. D. F. Daruwala. Dr. M. R. Mashru. Dr. R. C. Hansoti. Dr. G. B. Parulkar.	Selective coronary angiography in intracardiac tumors.	Joint Annual Conference of Cardio- logical society of India (CSI) and Association of Thoracic surgeons of India (TSI), Guwahati, 1985 (Abstracts).

Doctor.	Subject.	Particulars where published.
Dr. S. Sharma. Dr. M. R. Mashru. Dr. D. F. Daruwala. Dr. S. K. Rane.	Coronary angiographic pattern in myocardial infarction patients aged 20 to 35 years.	Joint Annual Conference of Cardio-logical society of India (CSI) and Association of Thoracic surgeons of India (TSI), Guwahati, 1985. (Abstracts). Indian Heart J. 37, 235 : 1985.
Dr. S. Sharma. Dr. M. G. Pillai. Dr. A. G. Desai. Dr. S. G. Kinare. Dr. S. R. Panday.	Pulmonary valve endocarditis in congenital cardiac malformations.	Joint Annual Conference of cardio-logical society of India (CSI) and Association of Thoracic surgeons of India (TS), Guwahati, 1985. (Abstracts). Indian Heart J. 37, 246 : 1985.
Dr. R. C. Hansoti. Dr. S. Sharma.	Cirrhosis of liver simulating congenital cyanotic heart disease.	Joint Annual Conference of cardio-logical Society of India (CSI), and Association of Thoracic surgeons of India (TSI), Guwahati, 1985. (Abstracts). India, Heart J: 37; 257, 1985.
Dr. B. V. Pinto. Dr. M. R. Mashru. Dr. Y. S. Loya. Dr. S. K. Rane. Dr. C. V. Shah. Dr. S. Sharma. Dr. K. D. Shah.	Haemodynamic and angio-graphic profile of 760 cases of RHD.	II International conference on update in Cardiology, organised by KEM Hospital and Seth G. S. Medical College Bombay, 1985.
Dr. B. J. Pandey. Dr. M. R. Mashru. Dr. S. Sharma.	Profile of myocardial infarction in patients with normal coronary arteries.	II International conference on update in Cardiology, organised by KEM Hospital and Seth G. S. Medical College Bombay—1985.
Dr. S. K. Rane.	Echocardiography in diagnosis	II International conference on update
Dr. S. K. Rane. Dr. D. P. Turakhia. Dr. M. R. Mashru. Dr. B. V. Pinto. Dr. C. V. Shah. Dr. K. D. Shah. Dr. S. Sharma.	Echocardiography in diagnosis of fixed subaortic obstruction with cineangiographic correlates.	II International conference on update in Cardiology, organised by KEM Hospital and Seth G. S. Medical College Bombay, 1985.
	Infective Endocarditis — An Enigma of diagnosis and treatment.	Postgraduate Lecture series, organised by IMA, Bombay, March 1985.
	New Inotropic drugs.	Symposium on Whither Digitalis, Indian Society for clinical Pharmacology and Therapeutics, Bombay, November, 1985.
	Pathophysiology & evaluation of cardiogenic shock.	Symposium on cardiogenic shock, continuing Medical Education Programme, XXXI Joint Annual Conference of the Association of Physicians of India. (API), Udaipur, January 1986.
	Modern approach to the diagnosis of congenital heart disease.	Update in Internal Medicine, organised by Bombay Hospital Institute of Medical Sciences, Bombay, February 1986.

Doctor.	Subject.	Particulars where published.
	Interesting ECG analysis and discussion.	Update session in Electrocardiology organised by Indian Society of Electrocardiology, Bombay, December, 1985.
	Noninvasive investigation of coronary heart disease.	Update in Internal Medicine, organised by Bombay Hospital Institute of Medical Sciences, Bombay. February 1986.
	Panel discussion on Heart Disease.	Silver Jubilee Conference, organised by Jagjivan Ram Hospital, Bombay, February, 1986.
Dr. C. V. Shah.	Clinical Classification of Infective endocarditis.	
	Complications of Infective endocarditis.	
	Practical Cardiology text book.	
15. ENDOCRINOLOGY DEPARTMENT :		
Dr. S. Shahani.	Role of Bromoergocryptine in improving the ovarian follicular activity during Gonadotropin therapy.	Guest lecture at Satelite symposium in Pharmacology.
	Male Infertility and Artificial Insemination.	Guest lecture at Wadia Hospital in February 1985.
Dr. S. Shahani.	Congenital Hypothyroidism.	Talks given to general Practitioner's Association Greater Bombay at Jaslok Hospital in July 1985.
	Male endocrine infertility.	At Poona Obsteric and Gynaecological Society in October 1985.
	Male Hypogonadism.	At Armed Force Medical College Poona in September 1985.
	Male endocrine infertility.	Conference held by Mid-term Endocrine Society of India at Armed Force Medical College.
	Male endocrine infertility.	Participated in Symposium held by Poona Obstetrics and Gynaecological Society in October 1985.
		Invited participant at 4th World Conference in I. V. F. at Melbourne Australia and chaired session of Endocrinology of I. V. F. October 1985.
	Experimental Techniques for Ovulation and early mammalian embryo culture.	Workshop attended by Sr. Scientific Officer (Staff) at New Delhi in January 1985.

Doctor.	Subject.	Particulars where published.
16. E. N. T. DEPARTMENT :		
Dr. A. G. Pusalkar.		Attended Annual Conference of the Association of Otolaryngologists of India held at New Delhi.
		Attended conference of State branch of Rajasthan, held at Udaipur.
		Attended West-German Conference in Berline.
		Attended Head and Neck course held at Mainz, West Germany in May 85.
Dr. N. L. Hiranandani.	Decompression of the facial nerve.	Attended Annual Conference of the Association of Otolaryngologists of India held at New Delhi.
	Carbondioxide in sudden sensory neural hearing loss.	Attended the International congress of Otolaryngologists held at Miami, U. S. A. invited as Chairman of one of the session.
Dr. D. S. Grewal.	Cheek reconstruction after cancer surgery.	Attended Annual Conference of the Association of Otolaryngologists of India held at New Delhi.
Dr. (Smt.) J. P. Dabholkar.	Ossiculoplasty with incus wire prosthesis.	Attended Annual Conference of the Association of Otolaryngologists of India held at New Delhi.
		Attended American surgeons' conference held at Chicago from 13th October to 17th October 1985.
		Attended the workshop on Head and Neck Surgery organised by American Cancer Society, held at Chicago from 10th October to 12th October 1985.
Dr. J. M. Parikh.	Unusual case of adenoidcystic carcinoma of parotid gland.	Attended Annual Conference of the Association of Otolaryngologists of India held at New Delhi.
Dr. Lalit Seth.	Unusual case of odontome.	Attended annual conference of the Association of Otolaryngologists of India held at New Delhi.
Dr. A. G. Pusalkar. Dr. E. Steinbach. (West Germany). Dr. D. D. Shah.	Paraganglioma of the tympanic membrane.	British J. L. O. Vol. 99 : 481.
Dr. A. G. Pusalkar.	Management of Cholesteatoma.	British J. L. O.
Dr. N. L. Hiranandani.	Thyroid.	Jasluk Hospital Journal.
	Meniere's Syndrome.	Indian Journal of Otolaryngology.
Dr. D. S. Grewal.	Cheek reconstruction after cancer surgery.	British Journal of laryngology & Otology.

Doctor.	Subject.	Particulars where published.
Dr. D. S. Grewal. Dr. D. D. Shah.	Round window membrane perforation a complication of C. S. O. M.	British Journal of Laryngology & Otology.
Dr. A. G. Pusaikar.		Invited as a Guest Lecturer in Medical College, Udaipur.
		Invited on Board of Selection U. P. S. C.
Dr. D. S. Grewal.		Examiner for D. L. O. of University of Bhopal.
17. PHYSIOLOGY DEPARTMENT :		
Dr. A. Malathi. Dr. V. G. Parulkar.	Effect of venous occlusion and exercise (Active and passive) on fibrinolytic activity and clotting time.	Indian J. of Physiology and Pharmacology November 1985.
18. DEPARTMENT OF PATHOLOGY :		
Dr. G. S. Nichanki. Dr. S. R. Prabhu.	Primary hepatocellular carcinoma — A review of 74 cases.	Journal of Postgraduate Medicine, 1985, 31 : 1, 34 — 38.
Dr. G. N. Chainani. Dr. S. R. Prabhu.	Cirrhosis in childhood — A clinicopathological study of 57 cases in 13 years (1972—84).	At 7 the Maharashtra chapter IAPM conference at Solapur, August 1985.
Dr. G. N. Chainani. Dr. S. R. Prabhu. Dr. V. R. Joshi.	Systemic Lupus Erythematosus— A clinicopathological study of six autopsy cases in six years. (1979-84).	At 34th Annual IAPM Conference at Udaipur, October 1985.
Dr. G. N. Chainani. Dr. D. U. Antani. Dr. S. A. Kamat.	Histopathological features of enteric fever— a study of 29 Autopsy cases in 5 years (1979-82).	At the National Seminar on Enteric fever at Bombay, November 1985. (Paper sent for publication to Journal of Infectious Diseases).
19. DEPARTMENT OF MICROBIOLOGY :		
Dr. P. K. Murti. Dr. G. V. Koppikar. Dr. R. A. Roche.	Sterility control and Bacteriological Surveillance in a Blood Bank.	At I. A. M. M. Conference at Hyderabad in January 1985.
Mr. M. G. Kulkarni.	Study of N. Gonorrhoeas.	Attended the international conference of IASSTD at Hotel Taj, Bombay in October 1985 and presented a paper.
Mrs. Parikh.	A study of Salmonella carriers in foodhandlers in Bombay.	National Seminar on Enteric Fever held at Kasturba Hospital in November 1985.
Mrs. S. D. Deshpande.	Antimicrobial susceptibility testing and control of Antibiotic therapy.	Attended Workshop at Armed Forces Medical College on 18th to 23rd November 1985.
	Characterization and antibiotic sensitivity patterns of yeast like organisms.	Journal of Post-graduate Medicine.

Doctor.	Subject.	Particulars where published.
All the staff members.		Attended Golden Jubilee Celebration Conference of the Teaching Pathologists Association At J. J. Hospital in December 1985.
		Attended the National Seminar on Enteric Fever at Kasturba Hospital, Bombay, in November 1985.
Dr. R. A. Roche.		Attended Genital Mycoplasma Workshop at L. T. M. M. C., Sion, Bombay on 9-9-1985.
	Raw expressed breast milk infants — A Bacteriological and clinical study.	Dissertation for M. D. (Microbiology).
Dr. A. H. Koticha.		Attended II All India Symposium of Anaerobic infections of man, at G. S. Medical College, Bombay.
Mrs. Manita Williamson.	Salmonella meningitis in children.	National Seminar on Enteric Fever at Kasturba Hospital, Bombay in November 1985.
	Biliary carriers of Salmonellae in an autopsy series in Nair Hospital.	National Seminar on Enteric Fever at Kasturba Hospital, Bombay in November 1985.
Dr. M. J. Mehta.	Immunoglobulins in CSF.	Dissertation for M. D. (Microbiology).
	Update course in immunology.	Attended a workshop for post graduate at All India Institute for Medical Science, New Delhi from 4th to 9th February 1985.
Miss. Savita Bankeshwar.	Bacteriological analysis of expressed and stored human milk A qualitative and quantitative study.	A Synopsis of the thesis in October 1985.
Mrs. Loraine Sequeira.	Microbial flora of dental plaque.	At the meeting of Association of Teaching Pathologists and Microbiologists, held at Nair Hospital in September 1985.
Miss. Savita Bankeshwar.	A study of etiological agents of leucorrhoea.	At the meeting of Association of Teaching Pathologists and Microbiologists held at Nair Hospital in September 1985.
20. DEPARTMENT OF PHARMACOLOGY :		
Dr. J. C. Bijlani.	Usefulness and Limitations of Brain Scan in CNS disorders.	At the XI Annual conference of Pharmacologists of Maharashtra at Nagpur.
Coauthor.	Effect of various diseases and habits on quality of semen.	At the XI Annual conference on quality of Pharmacologists of Maharashtra at Nagpur in August 1985.

Doctor.	Subject.	Particulars where published.
Dr. S. R. Amladi.	Medical teaching and Pharmacology in Ancient India.	<p>Attended and participated in a workshop on 'Medical Educational Technology with emphasis on Teaching Pharmacology Trends and Tools' held at Dr. V. M. Medical College, Solapur from 26th to 30th January 1985 and won the team first prize in Group Dynamics.</p> <p>In the workshop volume 'Teaching Pharmacology Trends & Tools' brought put by the Department of Pharmacology, Dr. V. M. Medical College, Solapur in January 1985.</p> <p>Attended and contributed to the Satellite Symposium of Indian Pharmacological Society organised by the Dept. of Pharmacology of our Institution on 12th January 1985.</p> <p>Gave a talk at the Bombay Orthopaedic Society's Annual meeting on 20th January 1985 on Biomedical Photography entitled 'Interactions with nature'.</p>
Dr. D. A. Joseph.	Investigation of the Pharmacological properties of <i>Salvadora persica</i> .	<p>Attended the XI Annual Conference of Pharmacologists of Maharashtra held at the Indira Gandhi Medical College, Nagpur on 12th and 13th September 1985 and presented a paper.</p> <p>Was a speaker in the symposium Curriculum Planning and was a Chairman of a Scientific Session.</p> <p>Participated by invitation at the XI All India Symposium on Biomedical Engineering held at the Bhabha Atomic Research Centre on 16th December 1986 and spoke on 'Information Technology interfacing with Biomedical Fields.'</p> <p>Cochairman of session on Nutrition and Drug Toxicity at the Indian Society for Clinical Pharmacology Annual meeting along with the joint A. P. I. conference in January 1985.</p> <p>Gave a talk on Practical aspects of Paediatric Pharmacology at the British Council sponsored workshop in Bombay in September to October 1985 at J. J. Hospital.</p> <p>Delivered a lecture on 'Selection of Drugs for 'I. P. C. U. at the National Respiratory care workshop held in October 1985 at K. E. M. Hospital.</p> <p>Participated in the session in 'Adverse effects of Drugs in Children' at the UNICEF sponsored workshop at Gorakhpur in September 1985.</p>

Doctor.	Subject.	Particulars where published.
		<p>Participated in the Continuing Medical Education Programme of the Western Zone of Indian Psychiatric Society at Nasik in October 1985.</p> <p>Chairman of a session on Clinical Evaluation of Haematinics at the National Symposium on Iron Deficiency Anaemia.</p> <p>Chairman of a session of clinical Evaluation of Drug in Enteric fever at National Conference on Enteric Diseases at Bombay in November 1985.</p> <p>Attended the conference on International Union of VA.</p> <p>Venereology and Trepoamatises at Bombay in October 1985 and participated in the session on Recent Advances in therapy of Venereal Disease.</p>
Dr. D. A. Joseph.		<p>Attended the 'International Symposium on Hypertension' at Bombay in December 1985.</p> <p>Participated in the session on Drug information systems at the Asian Symposium on Drugs and Community Health at Madras in December 1985.</p> <p>Prepared the U. K. Sheth Drug Information Bulletin for resident of Medical Officers.</p> <p>Selected as Associate Editor of 'Drugs and Therapeutics' a quarterly journal.</p> <p>Attended the Recent Advances in Gastroenterology Session in Bombay in December 1985.</p>
	Clinical Evaluation of Ibuprofen in children.	<p>At the Indian Society of Clinical Pharmacology at in API conference at Bangalore in Jan. 1985.</p> <p>Gave a talk on 'Essential Drugs problems in selection at the W.H.O. symposium of Asian Congress of Pharmacology at New Delhi in January 1985.</p>
Coauthor.	Evaluation of S. N. 9 Hypolipodaemic agent.	<p>At Asian Congress of Pharmacology January 1985 at New Delhi.</p> <p>Attended the workshop on Myocardial Protection conducted by American College of Chest Physicians at Bombay in February 1985.</p> <p>Attended the session on 'Recent Advances in Dermatology and Venereology in Bombay in March 1985.</p>

Doctor.	Subject.	Particulars where published.
Dr. D. A. Joseph.		Attended the All India Drug Action Network in New Delhi in August 1985 and suggested a number of changes in National Drug Policy was involved in compiling a model list of Essential Drug to the Ministries of Health and Petro Chemicals.
Dr. (Mrs.) S. A. Desai.		Organising Secretary : International satellite symposium on 'Impact of Clinical Pharmacology on therapeutic in developing countries' January 12th 1985, Bombay.
	Effects of various habits and diseases on Quality of semen.	At Nagpur in 12th September 1985 in regional conference of Pharmacologist of Maharashtra.
Co-author.	Usefulness and limitations of brain scan in CNS disorders.	Presented at Regional Conference of Pharmacologist of Maharashtra at Nagpur in September 1985.
		Participated workshop on Quality control of RIA arranged by IAEA at Radiation Medicine Central M.C. on 3rd and 4th of October 1985.
Dr. (Mrs.) S. R. Melgiri. Co-author.	Effect of the Habits and Diseases on quality of the semen.	At the Annual Regional Conference of Pharmacologists of Maharashtra held in Nagpur, September 1985.
Co-author.	Limitations and usefulness of the Brain Scan in CNS disorders.	At the Annual Regional Conference Pharmacologists of Maharashtra held in Nagpur, September 1985.
		Organising Secretary International satellite symposium on 'Impact of clinical Pharmacology on Therapeutics in Developing counties; January 1985 at Bombay.
Dr. S. N. Rao.		Attended the XI Annual Conference of Pharmacologists of Maharashtra.
Dr. A. A. Keshvani.		Attended the XI Annual Conference of Pharmacologists of Maharashtra at Nagpur on 12th and 13th September 1985.
Dr. A. A. Naikwadi.		Attended the XI Annual Conference of Pharmacologists of Maharashtra at Nagpur on 12th and 13th September 1985.
21. HAEMATOLOGY DEPARTMENT :		
Dr. A. J. Desai.	Sickle cell thalassemia.	At the International Conference on on Thalassemia at Bangkok.
	Discriminating function and MCV/RBC in thalassemia minor and Iron Defeciency Anaemia—A study using Automated Blood Cell Counter.	At Annual Conference of Indian Society of Haematology and Blood Blood Transfusion.

Doctor.	Subject.	Particulars where published.
	Sickle cell Thalassaemia—A clinical and Laboratory observation.	At Annual Conference of Indian Society of Haematology and Blood Transfusion.
		Participated at National Conference on Iron Deficiency at K. E. M. Hospital.
Staff.		Participated and presented scientific papers at Annual Conference of Association of Physicians of India.
		Participated and presented a scientific papers at Annual Conference of Bombay Haematology Group.
Dr. A. J. Desai.		Participated in International Conference of Oncology at Bombay.

22. DEPARTMENT OF GASTROENTEROLOGY :

Effect of Black Pepper Powder on DNA content of gastric aspirates.	Ind. J. Med. Research.
Ulcerative colitis—Prevalence in socio-economic groups.	Ind. J. Gastroenterology.
Primary Biliary Cirrhosis.	Ind. J. Gastroenterology.
	Annual conferences of Indian Society of Gastroenterology, Society of Gastro—intestinal Endoscopy & Liver study Group of India, Madras, November 1985.
	Japanese Society of Gastroenterology, Japan, 1985—Peptic ulcer in India—Guest lecture.
ERCP as a diagnostic modality in extrahepatic obstructive jaundice.	
Investigations in hepatic failure.	
Management in hepatic failure.	

23. AUDIOLOGY AND SPEECH THERAPY SCHOOL :

Shri R. K. Jagadeesh.		Delivered a lecture at the workshop on Electric Response Audiometry held in April 1985 on 'Electrocochleography'.
Smt. S. O. Kapur.	Prevental reaction to exceptional children efficacy of conselling.	At the XVII Annual Conference of Indian Speech & Hearing Association of Bombay.
Smt. S. H. Kavria.		Presented a paper at Wadia Hospital, organised by POSAT India, (Physio-Occupational & Speech Academy of Therapists) in November 1985.

Doctor.	Subject.	Particulars where published.
Smt. S. O. Kapur.	Infantile Autism.	At the International Symposium on Child Language Disorder Autism at XI IMANS, Banglore.
Shri R. K. Jagadeesh.		Active involvement in the organisation of the Workshop. Programme on Electric Response Audiometry held in April 1985.
Smt. S. O. Kapur. Smt. A. N. Sangekar. Smt. G. B. Gore. Smt. S. H. Kavre.		Organised and attended Workshop on Evoked Response Audiometry.
Smt. M. B. Doshi. Smt. M. M. Sanghil. Smt. S. H. Kavrie.		Attended ISHA Conference organised and attended Seminar on BSER.
Smt. M. B. Doshi.		Attended Workshop on Paediatric Audiometry.
Smt. M. M. Sanghi.		Attended Seminar on Rehabilitation of Hard of Hearing by Dr. Danial Ling.
Smt. S. H. Kavrie.		Attended Seminar on 'Neurology in 2001' by Dr. N. H. Wadia.
Miss Doshi.		Published a Directory of Services in India for Speech & Hearing Impaired (with Special reference to the Deaf).

24. RHEUMATOLOGY CLINIC :

Dr. V. R. Joshi.		Invited to the V International Congress of Rheumatology at Sydney in May 19-24th, 1985. He was also invited to a workshop on education immediately following the Congress. Convenor for the update session 'Rheumatoid Disease' at the API Conference, Bangalore, 1985.
Dr. V. R. Joshi.		Invited to participate in the Post-graduate course in immunology AIIMS, Delhi, February 4-10, 1985.
		Chairman of the Scientific Committee of the annual conference of IPA at Delhi in September, 1985.
	Systemic lupus erythematosus.	Delivered J. N. Berry oration at the IMA refresher's course at Nagpur 25th August 1985.
	Immunology of S. S. A.	Invited to talk Atthe 50th Anniversary of Teaching Pathologists of Bombay, December 21-22, 1985.
Dr. V. R. Joshi. colleagues.		Given lectures in Rheumatology to Gen. Practitioners at update sessions and to specialist groups like orthopaedicians, radiologists, OT & PT courses, immunologists etc., and chaired sessions at conferences.

Doctor.	Subject.	Particulars where published.
Dr. (Mrs.) N. E. Borges.	Unclassifiable sero-negative Spondarthritis.	Awarded Boot's best award at the Annual Conference of IRA At Delhi. She also participated in symposium on Assessment of Disease activity at the annual IRA conference, Delhi.
Dr. (Mrs.) R. D. Sequeira. et al.	Rheumatoid factors in health and disease.	At the annual IRA Conference, Delhi.
Dr. V. R. Joshi, et al.	S. L. E. some uncommon features.	At the annual IRA Delhi.
Dr. S. D. Halankar. et al.	Immunological studies in serum and synovial fluid in S. S. A. Comparison with H. A.	At the annual IRA Conference, Delhi.
Dr. A. V. Joshi. et al.	C-Reactive protein in rheumatic diseases.	At 1st Annual Conference of Bombay branch of API.
Dr. A. S. Gokhale, et al.	S. L. E. Experience of 42 cases.	1st Annual Conference of Bombay branch of API.
Dr. A. V. Joshi. Dr. V. R. Joshi.	Highlights of rheumatology workshop held in Bombay, 24-26 November, 1984.	SEAPAL Bulletin 1985, Vol. 3, pg. 8-9.
Dr. V. R. Joshi. Dr. G. S. Sainani.	Non steroidal antiinflammatory drugs.	Jour. Asso. Physicians of India, 1985, Vol. 33. pg. 629-630.
Dr. V. R. Joshi. Dr. N. E. Borges.	Rheumatic diseases in India.	The Indian-Practitioner, 1985, Vol. XXXVIII, pg. 881-884.

APPENDIX NO. : X

Sr. No.	Description of the activity.	Actuals.	Budget Estimates.	Revised Budget Estimates.	Budget Estimates.
		1984-85 Rs.	1985-86 Rs.	1985-86 Rs.	1986-87 Rs.
1.	General Administration and Supervision.	1,07,01,763	1,17,85,270	1,13,46,610	1,48,27,140
2.	Medicine Department.	72,50,720	98,50,260	98,50,260	1,14,50,260
3.	Surgery Department.	65,17,310	90,00,250	90,00,250	1,05,00,250
4.	Obst. & Gyn. Department.	24,55,130	32,30,250	32,30,250	37,30,250
5.	Paediatric Department.	19,62,705	25,00,890	25,00,890	30,00,890
6.	Pre-mature Baby Ward.	Reflected in Gynaecology Department.			
7.	Radiology Department.	20,03,460	26,15,050	26,15,050	34,15,050
8.	Pathology and Bacteriology Department.	11,64,120	15,02,230	15,02,230	17,52,230
9.	Casualty.	Shown under Medicine Department.			
10.	Orthopaedic Department.	21,12,150	26,40,260	26,47,260	30,47,260
11.	Aural (E. N. T.) Department.	16,73,180	18,20,750	18,20,750	21,20,750
12.	Ophthalmology Department.	11,75,320	15,15,350	15,15,350	17,65,350
13.	Skin & V. D. Department.	12,45,235	16,85,470	16,85,470	19,05,470
14.	Blood Bank.	6,84,900	7,50,150	7,50,150	8,75,150
15.	Neurology Department.	21,70,555	26,10,000	26,10,000	35,80,000
16.	Urology Department.	---	---	---	---
17.	Pharmacy Department.	20,05,150	21,20,850	21,20,850	24,70,850
18.	Audiology and Speech Therapy Department.	1,09,053	3,63,530	2,76,330	3,81,910
19.	Psychiatry Department.	11,72,245	13,25,860	13,25,860	15,55,860
20.	Biochemistry Department.	---	---	---	---
21.	Physiotherapy Department.	3,94,700	4,65,300	4,65,300	5,45,300
22.	Occupational Therapy Department.	4,53,300	4,05,400	4,05,400	4,75,400
23.	Immunization Centre.	---	---	---	---
24.	Gastroenterology Department.	3,17,250	3,75,230	3,75,230	4,35,230
25.	Mobile Health Unit.	Department not existing			
26.	Dental Clinic.	Department not existing.			
27.	T. B. Observation.	8,16,215	9,10,260	9,10,260	10,60,260
28.	Neuro-Surgery Department.	4,75,225	5,05,260	5,05,260	5,90,260
29.	Plastic Surgery Department.	2,42,220	2,95,020	2,95,020	3,45,020
30.	Cardiac Medicine Department.	8,12,140	8,60,320	8,60,320	10,00,320
31.	Thoracic Surgery Department.	---	---	---	---
32.	Paediatric Surgery Department.	2,12,815	2,30,920	2,30,920	2,70,920
33.	Artificial Kidney Department.	2,55,400	2,36,500	2,36,500	2,40,500
34.	Diabetic Clinic.	1,61,300	1,60,000	1,60,000	1,90,000
35.	Genito Urinary Department.	1,90,250	1,90,000	1,90,000	2,10,000
36.	Nursing School.	1,96,160	1,98,000	1,98,000	2,18,000
37.	Anaesthesiology Department.	11,18,130	11,38,150	11,38,150	13,38,150
38.	Intensive Care Unit.	5,10,700	5,52,700	5,52,700	6,42,700
39.	Paediatric Centre at Reay Road.	---	---	---	---
40.	Kamathipura Teaching Centre.	3,19,231	15,54,330	8,48,750	15,62,530
41.	Soutter Street Clinic.	---	---	---	---
Total :		5,08,78,032	6,33,93,810	6,21,69,370	7,52,03,260

**LOKMANYA TILAK MUNICIPAL GENERAL HOSPITAL
AND
ANNAPURNABAI DESHMUKH HOSPITAL FOR WOMEN
AND
LOKMANYA TILAK MUNICIPAL MEDICAL COLLEGE**

L. T. M. G. (Hosp.) :—

HIGH LIGHTS :

HOSPITAL :—

I — EXPENDITURE :

(A) 1. On In-Patients.	5,58,69,731.87
2. On Out-Patients.	1,04,65,333.96
3. Total Expenditure (Excluding New work).	6,63,35,065.83
4. On New Works.	—
(B) 1. Average cost per In-Patient per day.	144.19
2. Average cost per Out-Patient per day.	21.16

II — RESULTS :

(A) IN PATIENTS :—

1. Schedule bed strength.	1,048
2. Daily average In-Patients in Wards (including Sarvodaya & D. U. H. C.) Paediatric Ward.	1,062
3. Admissions including those brought over from previous year and Dharavi Urban Health Centre.	50,598
4. Number of Patients discharged as	
i) Relieved.	24,943
ii) As Cured.	8,295
iii) Otherwise.	12,282
iv) Expired.	4,272
v) Remained in the Hospital on the last day of the year.	970
vi) Daily average number of admissions.	136
vii) Average stay of In-Patients (Day).	7.68
viii) Highest admissions on a single day.	222

(B) OUT—PATIENTS

1. New Out-patients attendance including Dharavi Urban Health Centre.	2,30,972
2. Total No. of Repeated Out-patients.	2,63,609
3. Daily average number of New Out-patients* & Old Out patients.	1,622
4. Highest O. P. D. attendance on a single day.	846
5. Number of Casualty attendance (Medico-legal).	26,584

(C) 1. Operations on Out-Patients.

2. Operations on in-Patients.	35,357
	20,411

(D) 1. CONFINEMENTS :

1. Booked cases.	5,663
2. Emergency Cases.	1,537
3. Normal.	5,935
4. Abnormal.	1,088
5. Neonatal and Maternal Deaths	
i) Maternal Deaths.	35
ii) Still Births.	154
iii) Perinatal Mortality.	397
iv) Neonatal Deaths.	139

III — SPECIALIZED TREATMENT

1. Admissions in Resuscitation Ward.	2,143
2. Sterilization.	
i) Male.	40
ii) Female.	823
iii) I. U. C. D. Inserted.	228
3. A. K. D.	
i) Haemodialysis.	320
ii) Peritoneal dialysis.	19
iii) Renal Biopsy.	34
iv) No. of X-Ray plates.	1,18,411

V — BLOOD BANK :

1. Blood samples collected from	
i) Voluntary Donors.	4,392
ii) Relative Donors.	2,781
iii) Other Hospitals.	1,406
2. Bottles supplied.	8,394

VI — SCHOOL CLINIC :		
(A) Number of School Children treated		
1. New Cases.		1,490
2. Repeat Cases.		9,427
3. Referred Cases.		3,09,830.10
VII — PHYSIO—THERAPY :		
1. Out-Patients treated.		10,876
2. Number of treatments given.		59,902
3. In-Patients treated.		9,871
4. Number of treatments given.		1,38,346
VIII — OCCUPATIONAL THERAPY :		
1. Number of Out-patients treated.		7,092
2. Number of treatments given.		21,234
3. In-Patients treated.		12,013
4. Number of treatments given.		1,64,066
IX — MEDICO SOCIAL SERVICE DEPARTMENT :		
(A) Direct Service :		
Number of cases handled on case work level & other long term cases.		4,580
(B) Medical Aid :		
Number of patients given medicines in OPD.		16,842
(C) Service to deaf School :		
Children on the roll.		120
I — COLLEGE :		
1 — ANNUAL EXPENDITURE AND REVENUE :		
(A) 1. Expenditure including expenditure on hostel.		12,46,327.00
2. Revenue from tuition fees, Hostel Rent & Miscellaneous Receipts.		2,82,586.35
3. Revenue from Post-Graduate fees.		1,54,100.00
(B) Income from Hostel.		
(C) 1. Gross Cost per student.		22,335.00
2. Net cost per student.		22,105.00
1. On Roll as on 31st December 1985.		861
2. Number of students classwise.		861

	Boys	Girls	Total
Ist M. B. B. S.	55	76	131
IInd M. B. B. S.	72	110	182
IIIRD M. B. B. S.	96	55	151
Post-Graduates on roll as on 31-12-1985.	201	102	303
INTERNS			
Total No. of interns as on 31-12-1985.	44	50	94
TOTAL :	468	393	861

APPENDIX —

List of Heads of the Department from 1st January 1985 to 31st December 1985.

Sr. No.	Name	Qualification	Designation
1	Dr. S. V. Nadkarni	M.S.	Appointed as a Dean from 24-2-1986 & Prof. of Surgery.
2	Dr. N. A. Dabholkar	M.D.	Prof. of Physiology.
3	Dr. J. K. Bhatt	M.S.	Prof. of Anatomy.
4	Dr. F. R. Billimoria	M.sc. (Biochem)	Prof. of Biochem.
5	Dr. K. P. Deodhar	M.D.	Prof. of Pathology.
6	Dr. (Mrs.) L. P. Deodhar	M.D.	Prof. of Microbiology.
7	Dr. H. L. Dhar	Ph. D.	Prof. of Pharmacology.
8	Dr. Pritam Phatnani		Hon. Prof. visiting of Forensic Med. from 1-8-1984.
9	Dr. (Mrs.) Gopa Kothari	MBBS, M.D. (PSM) M.D. (Paed)	Prof. of P. S. M.
10	Dr. M. V. Divekar	M.D.	Prof. of Medicine.
11	Dr. M. J. Gandhi	M.D.	Hon. Prof. of Cardiology.

APPENDIX — (Contd.)

Sr. No.	Name	Qualification	Designation
12	Dr. A. P. Chaukar	M.S.	Prof. of Cardiovascular & Thoracic Surgery.
13	Dr. B. J. Damany	M.S.	Prof. of Neuro-Surgery.
14	Dr. R. L. Thatte	M.S.	Hon. Prof. of Plastic Surgery.
15	Dr. S. D. Bapat	M.S.	Hon. Prof. of Urology.
16	Dr. (Mrs.) P. R. Vaidya.	M.D.	Prof. of Obst & Gynaecology.
17	Dr. V. B. Athavale	M.D.	Hon. Prof. of Paed.
18	Dr. V. R. Mehta	MBBS, DVD	Hon. Prof. of Skin & V. D.
19	Dr. (Mrs.) D. A. D'souza	MBBS, DPM	Hon. Prof. of Psychiatry.
20	Dr. M. D. Pandit.	M.S.	Hon. Prof. or Orthopaedi on leave.
21	Dr. S. S. Vengsarkar	M.S.	I/C Hon. Prof. of Orthopaedics
22	Dr. N. S. Laud	M.S.	I/C Hon. Prof. of Orthopaedics from to
23	Dr. K. C. Gadre	M.S.	Hon. Prof. of ENT.
24	Dr. S. M. Sathe	M.S.	Hon. Prof. of Ophthalmic Retired from 1-3-1986
25	Dr. S.H. Pantvaidya	M.D.	I/C Prof. of Anaesthesia.
26	Dr. S. M. Shanbhag	M.D.	I/C Hon. Prof. of Dental Surgery.
27	Dr. S. T. Bhatt	M.Sc.	Head Occupational Ther.
28	Dr. (Mrs.) B. V. Bellare	B.Sc. (PT)	Head Physiotherapy.
29	Dr. (Smt.) S. A. Motwane	M.S.	I/C from 1-3-1986 (Ophthalmic deptt.).
30	Dr. S. S. Mehta	M.D.	Prof. of Anaesthesia on leave from 1-9-1982.

Lokmanya Tilak Municipal Medical college, Sion has completed 21 years of imparting Medical Education to the students for undergraduate studies and 8 years of giving postgraduate education in various degrees, diplomas, and courses of the University of Bombay including super speciality degrees like D. M. and M.Ch.

The college has been given affiliation by the University of Bombay upto 18th June 1981. The inspection for permanent affiliation was held on 26th November 1985 by a Committee appointed by University of Bombay and the committee recommended that the temporary affiliation be continued till June 1988. The committee again visited these institution on 21st May 1986 and that report is awaited. The Medical Council of India has approved this Institution for award of MBBS degree and postgraduate degrees, diplomas & post graduate super specialities which are conducted at this Institution.

Dr. S. V. Nadkarni, M. S. General Surg., and Head of the department of Surgery is holding the post of Dean since 24th February 1986.

Dr. N. A. Dabholkar, Prof. of Physiology and senior most Professor, L. T. M. M. College and L. T. M. G. Hospital was looking after the duties attached to the post of Dean (L) in addition to his own duties on payment of presumptive pay with effect from 1st September 1984 and is continuing till 23rd February 1986. During the leave period of Dr. N. A. Dabholkar from 14th October 1984 to 13th December 1984 Dr. M. V. Divekar, Prof. of Medicine looked after the duties. The list of heads of the departments as reported is at Appendix I.

Dr. (Smt.) H. P. Rebello, is continuing as Assistant Dean of L. T. M. G. Hospital during the year under report.

Admissions :—The admission capacity of students admitted for MBBS course at this institution is 100 per year. The number of students on roll as on 31st December 1985 was 558 and that of Post-Graduate student was 303 there are 5 students under Dr. Dhar doing Ph. D. in Pharmacology. The department of Biochemistry is recognised for Ph. D. in Biochemistry since 1984 and 4 students are registered and working for Ph. D.

The University of Bombay has recognised Biochemistry department for registration to One student for doing M. Phil in Biochemistry and one student is registered under Prof. Bilimoria since November 1985 term.

D. M. L. T. Course is conducted at this Institution with intake capacity of 10 students. We are also enrolling students for M. Sc. course in following subjects in June terms every year.

M. Sc. (Biochemistry) By papers	10 students
M. Sc. (Biochemistry) By Research	5 students
M. Sc. (Microbiology) By Research	5 students
M. Sc. (Animal Physiology) By Research	5 students
M. Sc. (Occupational Therapy) By papers	5 students
M. Sc. (Physiotherapy) By papers	5 students
M. Phil (Biochemistry) By Research	1 student.

The students on roll attending these courses are 51.

Educational Activities :—Besides regular teaching programme monthly scheduled meetings and clinical cardiology conferences are held regularly. Scientific and educational films were shown to the staff and students.

Specialised training is imparted to students of other Institutions by organising workshops and Seminars. Specialised training in super speciality subjects is given and fees of 100/- p.m., is charged.

Interns :—Graduate from University other than Bombay University are allowed to undergo Internship training at the attached LTMG Hospital to the extent of 10 percent. From October 1984 terms these interns are charged Rs. 100/- for every months training B. Pharm, D Pharm students are given training of 750 hours in Pharmacy to a maximum capacity of six students at a time Rs. 100/- for 3 months training are charged from June 1985 term. Students from S. N. D. T. University & other technical Institutions are allowed to work for practical training in Pathology on payment of Rs. 100/- for 3 month's training. Results of undergraduate and postgraduate students of the year 1985 and the prizes won by the students and those who stood first in the examination are shown in the Appendix 1 A and 1 B.

We are conducting competitive examinations in the subjects of Anatomy, Physiology, for 1st MBBS, Pharmacology, for 11nd MBBS and Medicine, Surgery, Obst & Gyn. P. S. M., E. N. T., and Paediatrics for 111rd MBBS students every year. The winners of the exams. are given cash prizes and merit certificates from the interest of the donation received at the time of silver Jubilee of the Institution which are kept in fixed deposit. The details of prizes with names of students who have won the prizes are given in Appendix 7. A competitive examination in Ophthalmology (only practical exam.) for regular batch and casual batch of interns is started from August 1983 named as Dr. Sathe's prize in Ophthalmology. Cash prize is given to Intern Judged as first similarly a competitive examinations in Pathology (for 11nd MBBS Students) and Paediatrics (for 111rd MBBS Students) are started from February 1986 and August 1985 respectively named as Dr. Athawale Prize. Cash Prizes are given to the students who stood 1st and 11nd in the Competitive examination.

Since November 1982 term, Dr. Hemant Kelkar's prize is awarded for the P. G. Student who is first in the merit list of registered candidate for M. S. General Surgery course in the regular batch. (November term) student. It is given from the donations received from relatives in the memory of Late Dr. Hemant Kelkar in 1981.

A separate committee of students manages the students cultural and sport activities. To defray this expenditure, fee of Rs. 50/- per annum is being collected from the students and interns which has been increased to Rs. 80/- per annum from November 1982 terms onwards.

Research Society :—The staff and Research Society is functioning in this Institution since August 1966. It is registered under the Societies registration Act, and Public Trust Act. Medical Officers working in this Institution including Hon. Prof. Hon. Assistant Prof. Full Time Medical Officers upto the level of Tutors and Demonstrators are the member of the society. Annual subscription for each member is Rs. 25/- per annum. Total No. of membership as on 31st December 1985 is 225.

Hostel :—Boys and girls are given accommodation in two separate hostels. About 100 students are accommodated in these hostels. There are only boarding facilities in the hostel and for that an amount of Rs. 70/- per terms is recovered from the students which has been increased to Rs. 100/- from November 1982 term. Deposit of Rs. 35/- is taken from students occupying hostel for the first time.

Library :—During the year 331 books have been added to the collection totalling to 15,330 books. The library has subscribed to 310 title of journals. The budget grant sanctioned for Library from L. T. M. M. College is Rs. 2,00,000/- and that from L. T. M. G. Hospital budget is Rs. 2,51,000/-.

Annual Cost & Revenue :—Total expenditure of college amounted to Rs. 9,25,407/- excluding establishment cost against total cost incurred Rs. 12,46,327/- during the year. The net revenue of the college by way of tuition fees and miscellaneous receipts etc., amounted to rs. 2,82,586.35.

Mobile Accident Service :—A mobile Accident service Van donated by Messers India Tobacco Co. Ltd. Through the Bombay Pradesh Congress Committee which is equipped with a wireless set attached to the Emergency ward has attended 58 calls and 2143 patients have been admitted in the Emergency Ward.

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. 49628 patients were admitted for Indoor treatment during the year as against 44246, 50453 and 47686 during the preceding three years respectively.

Out-Patients :—The Out-patient department has attended to 2,30,972 new patients. The highest admissions and Out-patients attendance (only new attendance) on a single day was 222 and 846 respectively.

Afternoon Out-patient Department :—There are four Out-patient Departments viz., Medical, Surgical, Orthopaedics and Paediatrics running in afternoon. During the year 21841 patients were treated in these departments.

Paying patients :—Under the Scheme which is effective from 1951. 1544 patients have been admitted during the year. Employees of the Corporation and their family members are allowed to avail of this facility on payment of 50 percent of the prescribed charges.

MEDICO LEGAL CASES :—

Casualty Department :—28584 accidental and other emergency cases were treated in this department and 2250 injury certificates were issued to police and 308 court calls were attended by the Resident Medical Doctors during the year under report.

Certificates :—8213 certificates of defferent types were issued to the patients during the year under report as under :—

(1) Opinion Certificates	7,600
(2) Injury Certificates	203
(3) A. form certificate	145
(4) Accident Insurance certificate	201
(5) L. I. C. Certificates.	64
	8,213

FEES COLLECTED : The collection on account of sale of OPD & Indoor Forms, bed charges from patients over stayed in General Wards & Maternity charges for fourth delivery during year as under :—

	Rs.
(1) Sale of OPD Forms.	4,46,336
(2) Sale of Indoor forms.	2,15,130
(3) Bed charges from patients over stayed in General Wards.	1,25,000
(4) Maternity charges for 4th delivery.	7,100
Total :	7,93,566

Minor Surgery Department :—35,357 minor operations were performed in the department during the year.

Pathology Department :—3,58,863 investigations were carried out and 1,485 autopsies were performed during the year (Medico legal P. M. 816 and Medical P.M. 669). A Special Laboratory has been set-up to work round the clock for the traumatic emergency service. The department has also under taken work for :—

- (1) Maa Hospital, Chembur
- (2) Chembur Maternity Home
- (3) Mulund Hospital (East & West)
- (4) Bhandup Maternity Hospital
- (5) Chunabhatti Maternity Hospital
- (6) Dharavi Urban Health Centre
- (7) Kuria Bhabha Hospital
- (8) Raoli Camp Maternity Home.

Anaesthesia Department :—During the year, 14,504 patients have received anaesthesia in various theatres and minor surgery department 1,555 patients were kept in recovery room and out of these 99 patients were required to be treated with respirators. 3,667 patients were examined in OPD for fitness for surgery.

X—Ray Department :—

(A) No. of patients	66,603
(B) No. of X-Ray	1,18,411
(1) No. of Ba-meal Ba-Swollow and Ba-enema.	521
(2) Carotoid Angiogram	150
(3) Special investigations	4,563
(4) Other misc. investigation	61,369
(5) Ultra sound	

Dental Department :—18,493 patients were treated for various tooth troubles.

Anti-Rabic Department :—3,168 patients were treated both new & repeat.

Blood Bank :—The total number of Blood samples collected from relative donors was 2,781 and that from voluntary donors was 4,392. Blood bottles brought from other Hospitals 1,406. The total number of blood samples supplied for transfusion during the year was 8,394.

Physiotherapy and Occupational Therapy Department :—The work done in these departments during the year is shown below (Out patients and In-Patients)

Sr. No.	Department	No. of Patients	No of Treatments
1	Physio Therapy	20,747	1,98,248
2	Occupational Therapy	19,105	1,85,300

Audiology & Speech Department :—During the year, patients, have taken advantage of services of the department, as under :—

(1) Number of Audiograms	2,029
(2) Number of New Speech Cases	175
(3) Number of visits speech therapy	1,470
(4) Number of special Audiometry Testing	250

Hand Injury Follow up Clinic :—118 Cases were registered during the year.

Family Welfare Centre :—A Family Welfare Centre is run for the benefit of patients attending the hospital. The work done is as follows :—

(1) Vasectomy Operations performed.	40
(2) Sterilization Operations performed.	823
(3) Loops Inserted.	228
(4) Patients given oral pills.	150
(5) Patients given condoms.	9,120

School Clinic Department :—1,490 New and 9,427 Old cases from different Municipal School from the suburbane and from City and 11 New.44 Old cases from different secondry schools were treated during the year. 49 Tonsils operations were performed on Schools Children, spectacles were given during the year.

Flying Maternity Squad :—The Flying Maternity Squad donated by the Indian Red Cross Society, Bombay Branch, is rendering services to female patients round the clock. Whenever maternity cases need immediate special attention such as supply of Oxygen, Blood transfusion or Hospitalisation on telephone call, the flying Maternity Squad reaches there within a minimum time provides the necessary assistance. During the year, the squad attended 2 such cases.

Dispensary :—The work carried out in the Dispensary is as follows :—

Out-patients	}	2,53,093
In-Patients.		
Special Prescriptions		
M. S. W.		
School Clinic		

Department of Pharmacy :—Sterile and non sterile preparations were manufactured in Pharmacy department during the year as under :—

(1) Parenteral fluids in bottles	—	—
(2) Parenteral fluids in vials	—	—
(3) I. V. Sets	—	76,505 nos.
(4) Dressing drums	—	27,088 nos.
(5) Penicillin Test done	—	—
(6) Savlon	—	3,560 litres
(7) Enema Soap	—	495 liters
(8) Haemodialysis fluid	—	900 litres

Due to partial closure of pharmacy for want of adequate facilities hospital requires to depend on outside agencies for the supply of injectable and infusions which otherwise could have been manufactured in the hospital.

department of Pediatrics : Following are the special activities of the department :—

- i) Paediatric hematology clinic—Conducted twice a week Variety of investigations are now possible in this clinic New Cases registered during 1985-483. No. of investigations done.
- ii) Astnema OPD—It is conducted once in a week to follow up asthematic children. New cases registered during 1985-100.
- iii) High Risk Newborn follow up O. P. D. is conducted once in a week — Total 126 newborns were registered as new cases in 1985.
- iv) Follow up OPD for developmentally subnormal children was started in January 1985. It is held once in a week. Total 130 new cases were registered during 1985.
- v) Department of Paediatric organised 'Post Graduate Lecture series in Neonatology' on 16th, 17th March 1985.
- vi) Special Training programme for nurses : conducted in September and October 1985.

Medical Social Services Department :

(a) Chronically ill for Socio-psychological evaluation, counselling & rehabilitation.	1,902
(b) Orthopaedically handicapped for sociopsychological evaluation, counselling & rehabilitation.	854
(c) Sensory disorders (hard of hearing & vision) for psychosocial evaluation, counselling & rehabilitation.	308
(d) Mentally retarded cases for psychosocial evaluation, counselling & rehabilitation.	194
(e) Mentally ill cases for psychosocial evaluation, counselling & rehabilitation.	1,130
(f) Socially handicapped, cases for adoption cases for termination of pregnancy etc., for psychosocial evaluation, counselling & rehabilitation.	192

Total : 4,580

Short-Term Cases :—

(a) Cases of discharge problems & institutionalisation.	257
(b) Cases in need of appliances like crushes, calipers, spectacles special drugs etc.	1,386
(c) No. of forms cases given medicines in the OPD	16,842

Total : 19,485

(III) Blood camps & Blood bottles collected :—

(a) No. of relatives seen for collection of blood given to the patients.	2,587
(b) No. of camps organised.	45
(c) No. of blood bottles collected from voluntary donors.	4,028

Total : 6,660

Group Works : Patients facing the same health condition need to share their experience, views and attitudes. Discussions help them to think more objectively about their health condition. It also helps them to overcome their feeling of grief and self pity, and come to terms with the health condition. Groups of patients are handled by M. S. Ws. at the following three different levels.

(i) **Therapeutic group :** In which group members are seen by M. S. Ws. for a number of sessions and their emotional conflicts are handled at deeper level. This helps the group members to come out of their problems situations and learn to cope with their health condition.

The following groups were handled at therapeutic level.

- (a) Parents of the children affected by poliomyelitis.
- (b) Parents of the deaf children.
- (c) Wives of the alcoholics.
- (d) Parents of the mentally retarded children.
- (e) Epileptic cases and their relatives.
- (f) Adolescent deaf children.
- (g) Bilateral amputees.

(ii) **Educational Level :—**Patients suffering from same type of illness of disability were seen in a group. This helps them to be more aware of their illness and take treatment regularly. The groups were as follows :—

- (a) Patients suffering from tuberculosis and their relatives.
- (b) Cases suffering from diabetes and their relatives.

Posters, demonstrations, slide shows and film shows were used as media to impart education. Cooking demonstrations sessions were conducted.

(iii) **Recreational Level :—**Patients admitted in the wards were entertained with the help of N. S. S. volunteers, volunteers of Satya Sai Sewa Mandal and Vishwa Hindu Parishad. The volunteers entertained the patients through story telling, games, bhajans, drawings, painting etc.

The Youth Deaf group :—This group was started in December 1982. with the help of students Social Workers. Within the period of four years the group has developed very well. The members feel the need of meeting the group members. It is helping them to get Socialized and think for themselves as a group. About 40/45 members attend this group regularly. The members take interest in planning programme for themselves. It is also demanded that the group should function on Sundays as many of them are employed. The members are ranges between 18-to 28 years.

The activities include recreational programmes as well as educative programmes.

The Amputee Group :—Twenty one sessions were held. The amputees opted to learn watch repairing course. Hence with the help of Shramic Vidhyapith a-course was organised from September 1985 to October 1985 for fourteen amputees. Second session will be held in May 1986. The group work activity has been extremely useful to all the fourteen amputees who were between the age group of sixteen to twenty one. Through the group activity they helped each other to gain interest in life and take a push join, the open community. The sessions ended with most of the members being settled in their life.

Blood donation Camp was organised in December 1985. Mrs. Leela Mulgaonkar, came as a Chief Guest. The special feature of this camp was all handicapped — mostly the bilateral above knee amputees — donated their blood. Mrs. Mulgaonkar said that in the history of blood camps, this type of a camp is first of its kind in the history of blood donation camps. She appreciated the handicapped and the organised greatly.

E. N. T. & Dental Diagnostic Camp : The camp Organised on 14th April 1985 for below 15 years children of slum. Total 194 children benefited.

Details are as under :—

(1) Finance	Inner wheel club Matunga Rs. 700/-.
(2) Medicine	Dhanvantari Charitable trust and Glaxo Lab. Worli.
(3) Paste & Brush (200 both)	Colgate & pamolive camp.
(4) N. S. S. Volunteer	Zunzunwala college.
(5) Breakfast	Satya sai seva mandal.
(6) Doctors	
Dr. Shirali & Dr. Upal	Sion Hospital for ENT.
Dr. Miss Gaitonde	Dental Hospital Nair.
(7) Visitors in slum	49

On going welfare projects for patients :

(iii) Out-door level :

(a) High Protein powder : The medial & psychiatric social work department makes high protein powder and gives it to under nourished children and adults. These cases are regularly followed by the M. S. W.

(b) Grain Projects : Vishwa Hindu Parishad donated 5 kg. wheat and 5 kg. rice per month for 50 poor and needy patients family. These cases are selected by the M. S. Ws., and on their assessment this help is given to supplement the family income.

(i) Toy Bank is being run with the help of a volunteers provided by All India Women's conference. Children admitted in the wards avail of this recreational facility.

(ii) Circulating Library : Seperate Library for the children and adults is being run for the patients admitted in the wards. This activity is conducted with the help of volunteers provided by Vishwa Hindu Parishad. Books and Magazines donated by well wishers are regularly-circulated amongst the patients.

(4) Community Health Work : The department worked with slum community namely Sunder Kamla Nagar and the activity conducted for the development of this community were as follows :—

(i) Balwadi : Average attendance was of 35 children. Every month parents meetings were held in which different topics of child health were discussed.

(ii) Sewing class : was conducted for adolescent girls. On an average seventeen girls attended the class regularly. After the class was over, different topics regarding nutrition, budget planning, Physiological growth etc., were discussed. Through these discussions, efforts were made to educate the girls on personal hygiene etc.

(5) Report on the resources developed by the department.

(i) School for the Deaf :—

There are 120 deaf children with 13 teachers in the school

(ii) Workshop for the handicapped which was started in August 1983 Continued this year also. On an average about 12 patients and one supervisor worked during this year. There were two main sections namely tailoring and chair canning. The workers were paid on labour basis.

(6) Special projects of the year : Medias like symposium and overnight camp are planned and used for the development and rehabilitation of the handicapped. The objective behind organising such programmes in short are—

(1) to help persons having the same health problem or disability to come together and grow through sharing.

(2) to make society at large aware of the abilities of the disabled.

(3) to provide learning opportunity to the student social worker and to help them grow professionally. Our experience said that such programmes though entail a lot of hard work, provide excellent medias for the cases to grow professionally. Our experience said that such programmes entail a lot of hard work, provide excellent medias for the grow and achieve the above objectives. Following programme were organised during this year with the above objectives.

(i) Overnight camp for orthopaedically handicapped—was organised at Vihar Lake in February 1985. About 50 disabled participated in this camp. N. S. S. volunteers from Zunzunwala College organised variety entertainment programme and a camp fire for them. Games, competition and discussion were organised for the participants who enjoyed thoroughly.

(iii) Symposium for the paraplegics—was organised on 10th March when all the specialists like Ortho. Surgeon, Urologists, Physio-therapist, Occupational Therapist, Vocational Counsellor etc., were on the pane, and the parablegics were invited as the participants to ask the panel various questions. Film on paraplegia was shown to them at the end of the question answers session. This discussion helped the paraplegics and the relatives to understand better about their condition, come to terms with it and prevent further complications.

(v) Workshop for the team working with the subnormal children :

alongwith the association of the Welfare of the Mentally retarded a workshop for the social workers, Occupational Therapists and Paediatricians was organised for five days from 19th March to 23rd March 1985. In outcome of this extensive workshop was of starting a clinic for the subnormal children in the paediatric OPD from January 1985.

Teaching & Supervision :

(i) Lectures were given by the M. S. Ws. to the medical Nursing and social worker students of the Hospital. The training Institutions of social work namely Tata Institute of Social Sciences and College of social work invited the M. S. Ws., to give lectures. Batches of students M. S. W., para professional were sent from college of social work to the department for orientation and lectures.

(ii) Service oriented organisation like Lions club, special schools for the orthopaedically handicapped and deaf invited M. S. Ws. to give talks to the parents and teachers of their school. This help the hospital to bring about a better understanding and involvement of the community in the activities of the hospital.

(iii) This year in all 9 students were placed for their field work experience from both the training Institute of Social work. Out of these 12 were placed under the direct-supervision of the M. S. Ws., working in the department and 7 placed with the faculty supervisors of training institute. Three students were placed with the department for their block placement (Internship). The council of international Programme had placed a French Participant with the departments for her experience.

(v) 50 N. N. S. students from Ruiya, Potdar, Khalsa and Jhun Jhunwala College were placed with the department. They worked in different projects like sport, posters making, drugs, distribution etc. These students were given orientation lectures as and when was found necessary.

PREVENTIVE AND SOCIAL MEDICINE DEPARTMENT

I ACTIVITIES AT URBAN HEALTH CENTRE DHARAVI

The activities carried out by the department of P. S. M. at U. H. C. Dharavi canbe classified into three categories.

- (1) Medical Services.
- (2) Welfare activities at centre and at home.
- (3) Special activities.

(1) Medical services :

- Routine —
- 1) Medical Relief for adults and children
 - (2) Immunization clinic
 - (3) Under Five Clinic
 - (4) Ante-natal clinic & mother craft clinic.
 - (5) Family Welfare Centre.
 - (6) T. B. Clinic.
 - (7) Leprosy clinic
 - (8) Dental Clinic
 - (9) Ophthalmic Clinic
 - (10) E. N. T. Clinic.

(2) Nutrition and Horticulture

- Nutritional rehabilitation centre at U. H. C.
C. R. S. Feeding Programme at U. H. C.
Feeding programme for T. B. Children.
Kitchen Garden at U. H. C.

(3) Health Education

- Talks
- Group discussion
- Exhibitions
- Films and slide shows
- Demonstrations
- Role playing.

(4) Training Programme

- a Training of workers—
 - i) Community Health Workers
 - ii) Traditional birth attendants
 - iii) Child volunteers
 - iv) Youth group.
- b. Training Course—
 - i) First Aid Classes
 - ii) Adult literacy classes.

(5) Special Projects—

1. I. C. D. S. Project
2. Xerophthalmia Project.

II — Nutrition Rehabilitation Centre

The nutrition rehabilitation centre is run at the Urban Health Centre, Dharavi. About 140 malnourished children are fed nutritious type of food twice in a day both in the morning and evening. Nutrition demonstrations are carried out for the mothers of malnourished children at the centre as well as in slums.

III — Balwadies

There are 5 balwadies run by the department of P. S. M. in the slums of Dharavi. In each Balwadi about 30 children are enrolled and given non-formal education, recreation and supplementary nutrition.

IV — Training of the workers

- (a) Community health workers scheme. It is continued and regular training to the new batch of women & refreshers training course is arranged for the group which is already trained.
- (b) Training of traditional birth attendants (DAIS). One batch of 10 was already trained under the programme. Second batch of 10 women are under training.
- (c) Training of children for child to child programme. 100 children were given training on various aspects of health under this programme.

Department Activity :

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 3,500 children received supplementary feeding.

In addition Audiometric check up, Health education.

II — 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. 3,500 children have received supplementary feeding. In addition Audio-metric check up for screening for hard of hearing health educational talks by interns, detection for rehumatic fever and prophylaxis for prevention of complications of rehumatic fever, child to child programme were carried out in Transit camp group of schools as well as cross road group of schools.

As a part of child to child programme child volunteers are trained in various health aspects at Transmit camp school and at Cross road schools.

III — Vit. A Prophylactic Programme.

Oral Vit., a was given in Dharavi community by making home visits as well as at the Clinic.

Dose of Vit. A					Total
Ist Dose	IInd Dose	IIIrd Dose	IVth Dose	Vth Dose	
454	231	232	344	537	1,798

IV. Under Five Clinic

Under five clinics are conducted at Matunga Labour Camp, Urban Health Centre Dharavi. Minor ailments of these children are treated. If necessary they are referred to the specialist. B. C. G., Triple, Polio, Measles, Immunisation are carried out. Malnourished children are given Nutritional, Aid, Health Education on the common problems is given to mothers.

V. **Child Welfare Centre** : The child welfare centre is conducted by the department of Preventive & Social Medicine at the 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.

VI **Deworming Programme** : Deworming programme was carried out in Dharavi Community making home visits as well as at clinic. Children above one year were covered for deworming programme every six months till they reached 6 years of age.

Dharavi U. H. C. report for the year January 1985 to December 1985.

Deworming—	I	II	III	IV	V	TOTAL
	655	88	153	218	350	1464

VII **Medical Relief** : Adult patients and children were examined and treated at Dharavi Urban Health Centre, Matunga Labour Camp, Lal donger, Ghatla village and Vakola. Those who need specialist's treatment were referred to L. T. M. G. Hospital. Tetanus toxoid and T. A. B. C. were given to adult population. Children were protected by D. P. T. Polio, Measles, T. A. B.

VIII **Urban Health Internship Programme** : Interns are posted for comprehensive health care to all Urban Slum Communities adopted by Preventive & Social Medicine Department.

IX — **Home Projects** : 3 communities namely Lal donger, Ghatla village and Vakola were selected for this programme. A part from routine medical relief, immunisation programme, Vit. A prophylaxis programme were conducted. from October 1985 the above communities are discontinued and only Dharavi slums are under taken.

Social Service :

(1) Community visits at Dharavi slums :

- a. M. L. C. Dharavi — 120 visits
- b. A. K. G. Nagar Dharavi — 112 visits
- c. Transit Camp Dharavi — 250 visits
- d. Kunchikorve Nagar Dharavi — 150 visits
- e. Muslim Nagar Dharavi — 120 visits
- f. Collecteral contacts for community. — 50 Nos.
- g. Health Talks. — 150 Nos.

2. Community visits for Rome Programme :

- a. Ghatla Village — 62 visits
- b. Lal Donger community — 26 visits
- c. Vakola centre — 62 visits
- d. Collecteral contacts for community — 30 Nos.
- e. Health talks. — 30 Nos.

3. Aids Provided for the Dharavi Slum Dwellers :

A. Nutritional Aid to Children :—

- i. C. R. S. — Nutritional aid with the help of Catholic Relief services is given to the slums dwellers from Dharavi No. Beneficiaries — 150 children.
- ii. N. R. C. — Nutrition rehabilitation centre is established at Urban Health Centre, Dharavi. About 50 malnourished children are enrolled. They are fed on Nutritious type of diet including milk once a day. Average attendance at each clinic is around 40.
- iii. Feeding for T. B. affected children. A high protein Nutritious snack is being given daily to 773 children.

B. Distributions of pairs of spectacles — 250 needy patients received spectacles.

C. Economic aid in terms of Cash — 15 beneficiaries.

D. Loans — Loans were provided for 8 women to improve the economic status.

E. Do thes and toys were distributed to — 50 beneficiaries.

F. School fees and Note books — 10 children were sponsored.

G. Employment — 10 persons were provided with employment.

H. Referrals — Case work & fellowship in hospital — 200 cases.

4. Other Activities :

- a. **Literacy Classes** — Literacy classes are continued four times a week with the help of voluntary workers in four areas.
 1. Ramabai Nagar, 2. Indira Nagar, 3. C. W. C., 4. Nityanand Nagar, About 40 women adolescents are enrolled and taught regularly.
- b. **Sewing Classes** — Sewing Classes are continued from Monday to Saturday at Urban Health Centre. A teacher is appointed, there are 4 sewing machines donated by various agencies and 60-70 women are under training. Tests are arranged once in Six months and certificates are issue to sewing women.
- c. **Balwadies** — 4 Balwadies at Kunchikorve Nagar, and One in each at Indira Nagar, Nityanand Nagar and Sidharath Nagar are continued. About 150 children enrolled.
- d. 30 Mahila Mandals have been organised in Dharavi area.
- e. 15 Youth groups have been organised in Dharavi area.
- f. 941 T. B. patients have been diagnosed in Dharavi area and being followed up regarding treatment. This programme has been started from August 1982.
- g. Exhibition — M. M. P. Shah students gave lectures on handicraft to 10 girls.

(5) **Health Education** : Activities are continued regularly in the form of health talks; demonstration, exhibitions, films, slide shows etc., in all the communities.

SPECIAL ACTIVITIES :

I World Health Day Celebration :

W. H. O. Day was celebrated on 7th April 1985
'Healthy Youth Our Best Resource'.

The department of Preventive and Social Medicine at L. T. M. M. College, Sion, celebrated the World Health Day by organising an exhibition and seminar at Urban Health Centre, Dharavi Sion. The posters were displayed on importance of growth and development in youth nutritional requirement of youth.

II — **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 investigations. So far 941 cases are referred for investigations and they get their treatment at Urban Health Centre Dharavi. 1,477 children are treated at T. B. Clinic at Urban Health Centre, Dharavi.

III — **Leprosy Clinic** : This is conducted at Urban Health Centre, Dharavi thrice a week the help of the Bombay Leprosy Project. About 479 cases of leprosy are under treatment.

IV — **Dental Clinic** : A dental clinic is organised twice a week by the department with the help of the Nair Dental College and Hospital. School dental check up is carried out with the help of this team.

V — **Eye Camp** : 5 Eye Camps were carried out at U. H. C. Dharavi. About 550 patients were screened for various eye ailments and about 400 spectacles were distributed free of cost with the help of Gaints Group of Matunga — Wadala. 47 cases of cataract were operated at U. H. C. and were also provided Spectacles.

VI — **Rehabilitation of Physically Handicapped** : The programme was started in June 67 with the help of I. S. R. R. The physically handicapped children who were school drop outs were included under this programme. The aim of this programme is to prevent juvenile delinquency and train every physically handicapped in some vocation through which he can earn and maintain himself. Two courses are conducted for the Physically handicapped namely — 1. Radio Repairing 2. Tailoring.

VII — **Screening for Hand of Hearing** : This project is in collaboration with NASEOH & UNICEF and was started in August 1983. Under this project as a first phase 10,000 children between 0-10 years will be screened from Dharavi area. The group is divided into two sub-groups. The first group consists of 5,000 children from 6 years. in community 1873 (38%) were found defective. The second group consists of 5000 children 6-10 years from school, 684 (14%) were found defective. The various activities of the programme are :—

1. Audiometric checkup of children.
2. Treatment of ear problems.
3. Rehabilitation of hard of hearing of children.
4. Training of workers and parents in care of ear.

The project is continued in the year 1986 also.

VIII — **Family Welfare Clinic** : Daily vasectomy operations are carried out as well as distribution of Oral pills and insertion of loops. Population is educated regarding small family norm. During the year 2 family planning camps were held and 48 women under went laparoscopic sterilisation. All 2 camps were sponsored by SHED. Vasectomies are carried out on all working days and 263 vasectomies were carried out during 1985.

At this clinic the population is educated regarding small family norm daily.

IX — Primary Health Care Anniversary :

- a. Community health workers scheme. It is continued and regular training to a batch of women and refresher training course is arranged for the group which is already trained.
- b. Training of traditional birth attendants (DATS) Two batches were already trained under the programme. Another batch of women is under training.
- c. Training children child to child programme. 150 children were given training on various aspects of health under this programme. One more batch is under training.
- d. Training of youth.

Health Education Activities :

- a. Routine health talks on health promotional aspects is given in the Dharavi and other community under five clinics.
- b. Health exhibition is regularly held at Dharavi, Urban Health Centre. The posters on various aspect of health are displayed.
- c. Health education films are shown to the slum dwellers regularly.
- d. 480 Nutritional demonstrations are arranged at Urban Health Centre for mothers attending under five clinics.

Academic Activities :

1. Preparation of audio visual slide show on :—
 - a. Diarrhoea and importance of O. R. T. prepared by Dr. Gopa Kothari.
 - b. Xerophthalmia project at Dharavi continued with the help of She
 - c. Xerophthalmia project at Bombay slums continued with the help of Royal Common Wealth Society for Blind (RCSB)

talks by interns, detection for Rheumatic fever and Prophylaxis for prevention of complication 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 aspects at Transit Camp School, as well as at cross road school.

Nurses Training School : During the year 53 student nurses were admitted for training in the General Nursing and 80 students nurses for midwifery. 129 and 80 student nurses were sent for general nursing and midwifery Examinations respectively out of whom 120 General Nursing and 78 midwifery students have passed.

Ambulance Services : Round the clock ambulance service is maintained at this hospital.

Poor Box Charity Fund : The amount in the poor Box Charity Fund as on 31st March 1985 stood at Rs. 14,71,108.43 collection from the Boxes donations and other miscellaneous receipts during the year amounted to Rs. 15,22,080.05 and expenditure through the Poor Box Charity Fund was Rs. 6,01,871.06. The total amount in the fund as on 31st March 1986 stood at Rs. 23,91,317.06.

Special Facilities For Municipal Employees :— Separate counters have been kept reserved at the Registration Department, Dispensary and afternoon O. P. D. for the Municipal Staff. Fifty percent concession is granted in paying bed scheme.

The sale of drugs and Medicines for the benefit of patients have been started at this hospital through L. T. Medical College and Hospital consumers Co-operative Society from the year 1976.

D E A N

L. T. M. G. HOSPITALS &

L. T. M. M. COLLEGE,

SION, BOMBAY : 400 022.

APPENDIX —I-A

Period	Examination	Appeared		Passed		% of passing.	Name of the Student who stood first.	Total Marks.
		M	F	M	F			
APRIL 1985	Ist MBBS	14	10	8	8	66.6	Mr. Nirbhuvane Mahendra B	443/750
	IInd MBBS	52	32	47	30	88.50	Mr. Nandi Amit A	428/600
	IIIrd MBBS (old)	11	—	2	—	18.1	—	—
	IIIrd MBBS (rev.)	21	13	13	7	58.32	Fonseca M. S. Jiandan P. G.	966/100 966/100
OCTOBER 1985	Ist MBBS	44	61	23	45	64.8	Miss Dalmia Mamta B	592/750
	IInd MBBS	20	12	10	10	60.8	Mr. Bagalkote Hemant B	402/600
	IIIrd MBBS (old)	8	—	3	—	37.5	—	—
	IIIrd MBBS (Rev)	41	51	27	42	75	Miss Hema Ganesh.	1008/150

APPENDIX J-B

Results of Post-Graduate Examination for year 1985.

Examination	April 1985			October 1985.		
	Appeared	Passed	% of passing	Appeared	Passed	% of passing
1) M. D. Medicine	4	1	25	9	5	56
2) Paediatrics	4	—	0	7	2	29
3) Obst & Gynaec	6	2	33.3	7	5	71
4) Skin & V. D.	2	—	0	2	1	50
5) Anaesthesia	6	5	83	5	3	60
6) Radiology	2	2	100	3	2	66
7) Psychiatry	2	2	100	1	1	100
8) Pathology	4	1	25	5	4	80
9) D. M. Cardiology	1	1	100	3	1	33
10) M. S. Gen. Surgery	2	2	100	8	4	50
11) Orthopaedics	4	2	50	5	4	80
12) E. N. T.	1	1	100	2	—	0
13) Ophthalmology	1	1	100	1	1	100
14) M/Ch. Thoracic Surgery	1	—	0	1	1	100
15) M/Ch. Urology	1	1	100	2	2	100
16) D. A.	8	3	38	10	10	100
17) D. V. D.	4	2	50	2	2	100
18) D. P. H. Part I	1	1	100	—	—	—
19) D. P. H. Part II	3	1	33	1	1	100
20) D. P. M. Part I	2	1	50	1	1	100
21) D. P. M. Part II	2	2	100	1	1	100
22) D. M. R. D. Part I	2	2	100	3	3	100
23) D. M. R. D. Part II	3	3	100	4	2	50
24) M. Sc. by Pps. Part I (Rio)	10	9	90	2	2	100
25) M. Sc. by Pps. Part II (Bio)	9	9	100	—	—	—
26) M.Sc. Occupational Therapy	2	1	50	—	—	—
27) M. Sc. Physio-Therapy.	6	2	33.3	—	—	—
28) D. M. L. T.	9	4	45	6	3	50
29) M. Ch. Neuro Surgery	—	—	—	2	2	100
30) M. Ch. Plastic Surgery	—	—	—	2	2	100
31) m. D. P. S. M.	—	—	—	1	1	100

APPENDIX— II

Papers Read and Published.

DEPARTMENT
OF
PAEDIATRIC

Dr. V. B. Athavale

Editor of 'Pediatric Clinics of India' published quarterly. Published books :

1) Growth & Development of your baby.

2) Your Child.

3) Your Baby (Before it is born).

Dr. M. N. Mehta

Dr. Alka Shah

Dr. Mangal Rao

Dr. S. V. Prabhu

Dr. Lokeshwar M. R.

'Immunoglobulins in Neonatal Septicemia' paper Presented at 9th Annual Conference of the Bombay Haematology Group 16th—17th February of Bombay.

'Immunoglobulins in Neonatal Septicemia' paper presented at Bi-monthly Scientific meeting of the Staff & Research Society of L. T. M. G. Hospital, Bombay, 20th February 1985.

Dr. M. N. Mehta

'Experience in the Management of Infants and Children in Respiratory Intensive Care Unit of L. T. M. G. Hospital' paper presented at the National workshop on Reduction of Mortality & Morbidity From Respiratory Disorders in our children. Population 11-13 October 1985 KEM Hospital, Bombay.

'Total Iron Dose in Pediatric Practice'.

Dr. M. R. Lokeshwar

Dr. M. Rao

Dr. U. Pai

Dr. P. Bhanbri

Dr. M. N. Mehta

Dr. M. Rao

Dr. M. R. Lokeshwar,

Dr. M. N. Mehta

Dr. A. N. Inamdar

Dr. S. Subramaniam

Dr. M. N. Mehta

'Red Cell Enzymes in Iron Deficiency Anemia' paper (iv) & (v) presented at the 11th National Symposium on Iron Deficiency Anemia — Oct. 24-26th. KEM Hospital, Bombay.

'Rice Water and Rice based electrolyte solution in the management of Acute diarrhoeal diseases in newborns and young infants' paper presented in XXII National Conference of the Indian Academy of Pediatrics held at Trivendrum 2nd — 4th November 1985.

'Aplastic Anemia — study in Pediatric Patients' paper presented in XXVth Annual Conference of the Indian Society of Haematology and Blood Transfusion — Varanasi December 19-21 1985.

Dr. M. N. Mehta

Dr. S. Bavdekar

Dr. N. R. Lokeshwar

Task Force Meetings of Nutrition Foundation of India April 1985 Delhi and November 1985 Madras.

Dr. M. N. Mehta

Dr. H. N. Mistry

Dr. S. V. Prabhu

'Child Labour in Bombay' paper presented in the International ? Child Abuse & Neglect Vol. 9. pp. 107-111, 1985.

DEPARTMENT
OF
PAEDIATRIC

Dr. A. R. Fernandes

Dr. S. Subramaniam

Dr. Chitra Chawala

Dr. P. Vaidya

Dr. A. Fernandez

Dr. V. K. Shah

'Biochemical Parameters in Exchange Transfusion' paper presented in National seminar on Neonatal Jaundice, Bombay, September 1985.

'Neurobehavioural assessment versus Apgar in caesarian section Babies' paper presented in National Conference of FOGSY December 1985.

Dr. M. R. Lokeshwar

Non Isoimmune Haemolytic jaundice XXVI annual conference of Indian Society of Haematology and blood transfusion 18-21, December 1985 Varanasi. 'Early complication of Exchange transfusions' an experience in 107 neonates — National seminar on Jaundice Bombay.

'Co-editor' paper presented in Pediatric Clinics of India.

Dr. M. V. Kulkarni

Dr. Pratibha Rane

Dr. A. R. Fernandez

Dr. V. B. Athavale

Dr. Baxi.

'Tcell & Bcell function in malnourished children' paper presented in XX National Conference of IAP Trivandrum November 1985.

**DEPARTMENT
OF
GYNECOLOGY
& OBST.**

Obstetrics & Gynecological

Dr. P. R. Vaidya
Dr. Varsha S. Patel
Dr. Kerkar R. A.
Dr. P. R. Vaidya.
Dr. V. R. Badhwar.
Dr. P. R. Vaidya
Dr. P. K. Shah
Dr. A. R. Fernandez
Dr. S. V. Prabhu
Dr. P. R. Vaidya
Dr. N. N. Munshi

The following papers were read in the 29th All India Obstetrics & Gynecological Congress at Bombay, 28, 30th December 1985.

'Perinatal Mortality in VDRL + ve Pregnancies'.
'A comparative study of Partogoms using different agents claimed to facilitate cervical dilatation.

'Clinical observation & active management of premature rupture'.
'Neonobehavioral Assessment versus Apgar score in caesarean section babies.

**DEPARTMENT
OF
GYNECOLOGY
& OBST.**

Dr. Sudha Tandon
Dr. G. S. Rao
Dr. P. R. Vaidya
Dr. P. R. Vaidya
Dr. Sudha Tandon

The following papers were read at Annual Bombay Obstetric & Gynaec Conference in June 1985.

'Antepartum foetal heart rate monitoring in high risk pregnancy'

'Estimation of period of gestation from patient's History' a study of 250 women.

**DEPARTMENT
OF
PATHOLOGY**

Dr. K. P. Deodhar
Dr. N. U. Ranadive

'Xanthogranulomatous pyelonephritis' paper presented at 34th I.A.P.M. Conference at Udaipur.

Dr. R. R. Vast
Dr. N. U. Ranadive

'Study of Epididymal Histology in relation to obstructive azoospermia' paper presented at 34th I. A. P. M. Conference at Udaipur.

Dr. C. P. Shroff

'Fine needle aspiration cytology of breast with clinical and histopathological correlation in non-neoplastic and neoplastic lesions.

Dr. C. P. Shroff
Dr. Anita Kashyap
Dr. Deepa Shah
Dr. J. B. Bhalerao
Dr. K. P. Deodhar

'Efficacy in cytodagnosis of pericardial pleural and ascitic fluid with special reference to better cytological yield with shandon cylospin technique; paper presented at 15th Indian Academy of Cytologists.
'Participation in Histology slide seminar' paper presented at VIIth regional chapter IAPM Conference at Sholapur.

Dr. S. P. Pandit
Dr. K. Banerjee
Dr. K. P. Deodhar
Dr. S. N. Jnamdar
Dr. N. U. Ranadive
Dr. Varsha Shah
Dr. K. P. Deodhar
Dr. Kavita Makhijani
Dr. V. R. Mehta
Dr. C. P. Shroff
Dr. Vatsala Doctor

'Pulmonary vasculature in liver cirrhosis and chronic alcoholic', paper presented at VIIIth Regional chapter IAPM Conference at Sholapur.

'Testicular biopsy — A critical evaluation' paper presented at Teaching Pathology conference.

'Incidence and etiology of Hepatic Cirrhosis' paper presented at teaching pathology conference.

'Observations on cutaneous ancyloidosis' paper presented at Teaching Pathology Conference.

'Seminar on Diseases of thyroid gland at Radiation research centre — Tata Memorial Hosp. Fine needle aspiration of the thyroid gland.

'Endometrial ossification — Report of three cases with literature review.

Dr. C. P. Shroff
Dr. N. C. Kudterkar
Dr. Vijayavalli R.
Dr. C. P. Shroff

'Abrasive Bronchial Brushing Cytology. A Preliminary study of 200 specimens for the diagnosis of Neoplastic and Non-Neoplastic Bronchopulmonary Lesions.

**DEPARTMENT
OF
PATHOLOGY**

Dr. C. P. Shroff
Dr. S. Roy
Dr. S. A. Nanivadekar
Dr. S. P. Deodhar
Dr. C. P. Shroff
Dr. Roy
Dr. Sucharita A. Nanivadekar
Dr. K. P. Deodhar

'Choriocarcinoma Presenting as Acute Abdomen — Case reports presented in Indian J. Gastroenterol 4, 103-104, 1985.

'Salpingitis (Salpingo-oophoritis) analytical study of a Hundred and Twentyfive Tubovarian Masses with Clinicopathologic Assessment and review of Literature'.

Dr. S. A. Nanivadekar
 Dr. Prabha D. Sawant
 Dr. C. P. Shroff
 Dr. H. D. Patel
 Dr. Shobha J. Bhatia
 Dr. A. Srinivas
 Dr. N. N. Kamath
 Dr. S. C. Abhyankar
 Dr. S. R. Desai
 Dr. R. R. Vast
 Dr. P. S. Ramani
 Dr. S. G. Abhyankar
 Dr. L. S. Bichile
 Dr. Alka Chabra
 Dr. S. C. Abhyankar
 Dr. P. S. Ramani
 Dr. V. A. Ambekar
 Dr. K. P. Deodhar
 Dr. Alka Chabra
 Dr. Shashikala C. Abhyankar
 Dr. N. U. Ranadive
 Dr. P. S. Ramani

Dr. S. J. Bhatia
 Dr. R. R. Vast
 Dr. S. P. Pandit
 Dr. Arun Srinivas
 Dr. P. D. Sawant
 Dr. L. S. Bichile
 Dr. N. N. Kamath
 Dr. S. A. Nanivadekar
 Dr. J. H. Desai
 Dr. A. C. Shah
 Dr. S. T. Nabar
 Dr. S. P. Panamlar
 Dr. S. N. Deshmukh
 Dr. H. C. Marchant
 Dr. C. P. Shroff.
 Dr. Suhasini G.
 Dr. S. A. Nanivadekar
 Dr. C. P. Shroff
 Dr. L. S. Bichile
 Dr. Prabha Sawant
 Dr. P. Y. Bavdankar
 Dr. A. P. Chaukar

**DEPARTMENT
 OF CARDIOVA-
 SCULAR &
 THORACIC
 SURGERY**

**DEPARTMENT
 OF CARDIOVA-
 SCULAR &
 THORACIC
 SURGERY**

Dr. A. P. Chaukar

**DEPARTMENT
 OF
 PHARMACOLOGY**

'Gastric Ulcers in India' paper presented at the Indian Practitioner 38, 577-581, 1985.

'Massive Osteolysis of skull associated with Meningeal Sarcoma' paper presented at Indian Medical Association 83, 67-69, 1985.

'Bilateral Cerebral arachnoid cysts with mental retardation' paper presented at Indian J Pediatric 52, 103-105, 1985.

'Cerebral Nocardiosis' paper presented at JAPI 33. 182-183, 1985.

'Spinal cord neoplasms' paper presented at The Indian Practitioner 38, 125-130, 1985.

'Bronchogenic Scar Carcinoma presenting with cardiac metastases' paper presented at the Indian Practitioner 38, 319-324, 1985.

'The role of flexible fiberoptic bronchoscopy in cases of haemoptysis of obscure aetiology' paper presented at Indian Practitioner 38. 281-286, 1985.

'Bronchogenic carcinoma in young non smoking females' a report of 2 cases presented at Indian Practitioner 38, 411-317 1985.

'Leftmain Coronary block in a nineteen year old women — Published in the Texas Heart Institute Journal (Vol. 12, No. 2).

'Peripheral Vascular injuries : Experience in a general hospital paper presented at the Indian Practitioner.

'Place of Surgery for aortoiliac obstruction' paper presented at the Indian Practitioner.

'Haemorrhological Approach to vascular obstructive disease paper presented at the Indian Practitioner.

'Approach to diagnosis of Intermittent claudication' paper presented at the Indian practitioner.

'Selective endobronchial blocking for one lung anaesthesia in children' paper presented at the Indian journal of Chest Diseases & Allied Sciences. Vol. 27 No. P. 52-54, 1985.

'Role of cholinergic mechanism in hypoglycaemic action of B. Pertussis Vaccine. Jap. J. of Exp. Med. 4, 137, 1985.

'Role of Prostaglandins in pentylene tetrazole convulsions in mice paper presented at Indian. of Exptl. Biology 23 June 1985.

'Treatment of viral infections (review article). paper presented at the Indian Practitioner. April 1985.

**DEPARTMENT
OF
PHARMACOLOGY**

**DEPARTMENT
OF
PHYSIOLOGY**

**DEPARTMENT
OF
SURGERY**

Dr. S. V. Nadkarni

Dr. T. T. Changlani

Dr. V. V. Dewoolkar

'Drug induced gastrointestinal disorders (review article) paper presented at the Indian Practitioner. July 1985.

'Cardiology in Ayurveda' paper presented at Probe 25 No. 1, Oct. Dec. 1985.

'Role of adrenoceptors in adrenaline induced hyperglycaemia in rats' paper presented at Indian of Journal of Pharmacology, Sept. 1985.

'Use of antimicrobial agents in clinical practice' paper presented at prophylaxis and combination therapy (Review) the Indian Practitioner VVI 38, Oct. 1985.

'Tachyphylaxis, to Dopamine and its mechanism' paper presented at Asian Congress of Pharmacology. New Delhi, Jan. 1985.

'Effect of chlorequine and dihydroquinine on phrenic nerve diaphragm of rat' paper presented at Asian Congress of Pharmacology held in New Delhi, between 15-19 January 1985.

'Review Article on 'Disodium chromoglycate' paper presented at Then and Now the Indian practitioner, March 1985.

'Review Article on 'Counteracting antibacterial resistance in Bacteria' paper presented at the Indian Practitioner, October 1985.

'Blood pressure changes in acute myocarditis due to injection of scorpion (Buthus tamulus) venom in experimental animals' paper presented at the Annual Conference of association of physiologists and pharmacologists of India-Calcutta, 27-12-1985. to 30-12-1985.

'Reduction in Glycogen content of cardiac muscle, skeletal muscle and liver in acute myocarditis produced by Scorpion (Buthus tamulus). paper presented at XXXI Annual Conference of the Association of Physiologists and Pharmacologists of India, Calcutta, 27-12-1985 to 30-12-1985.

'Reduction of H I on concentration in Gastric Secretions in Dogs with acute myocarditis produced by injection of scorpion (Buthus tamulus) venom, paper presented at Indian Science Congress Association at New Delhi 3-1-1986 to 8-1-1986. 'Electrocardiographic changes in Acute myocarditis induced by Scorpion (Buthus Tamulus) venom, paper presented at 42 Bombay Medical Congress 11th and 12th Jan. 1986. Bombay.

'Acute Hyperglycemia and reduction in glycogen content of atria and liver in dog with acute myocarditis production by Scorpion (Buthus tamulus) venom. paper presented at XII Annual Conference of the Association of Clinical Biochemists of Indian Jan. 9-

'Productivity in Hospital' paper published in Silver Jubilee issue of Bombay Productivity council.

'A Book on Organization of Emergency Services in Hospital Just completed.

'Nutrition in trauma' Indian Practitioner.

'Attended conference of Gastroenterology Society of India.

'Co-author-Diagnosis and management of blunt abdominal trauma' at India Practitioner.

'Initial care of severely injured. Nutrition in trauma (co-author) in Indian Practitioner.

'Attended workshop on per cutaneous Nephrolithotomy at KEM Hospital, Bombay.

'Attended NTTC workshop Chandigarh.

'Attended Silver Jubilee conference of Gastroenterology.

'Chest trauma' paper presented Indian Practitioner.

'Carcinoma Oesophagus' paper presented at Indian Practitioner.

**DEPARTMENT
OF
SURGERY**

Dr. S. P. Nadkarni
Dr. Dube M. G.

Dr. Lakshmy M. V.

Dr. Sudarshan U.

Dr. Gvalani

Dr. Dastur

Dr. (Mrs.) M. A. Gore

**DEPARTMENT
OF
MEDICINE**

Dr. S. A. Nanivadekar
Dr. Shahbhag S. A.
Dr. A. R. Sheth
Dr. N. A. Sheth
Dr. Srinivas A.
Dr. Bhatia S. J.
Dr. Sawant P. D.
Dr. Tandon N. H.
Dr. Kamath N. N.
Dr. Bichile L. S.
Dr. Nanivadekar S. A.
Dr. C. P. Shroff
Dr. Roy S.
Dr. Nanivadekar S. A.
Dr. Deodhar K. P.
Dr. S. A. Nanivadekar
Dr. P. U. Sawant
Dr. Shroff C. P.
Dr. Patel H. D.
Dr. Bhatia S. J.
Dr. Srinivas A.
Dr. Kamath N. N.
Dr. Sawant P. D.
Dr. Vijan V. M.
Dr. Bhatia S. J.
Dr. Srinivas A.
Dr. Nanivadekar S. A.
Dr. Nanivadekar S. A.

Dr. M. V. Divekar

'Vittelo intestinal duct' presented at Indian Practitioner.

'Testicular tumor' paper presented at Indian Practitioner.

'No use of antibiotics in cases in routine surgery' paper read at Staff & Research Society.

'Gastroenterology Conference attended.

'Diagnosis & Management of blunt abdominal trauma' paper read at Indian Practitioner.

'Attended Annual Conference of ASI Bangalore.

'The management of renal trauma' Indian Practitioner.

'Attended Annual Conference of ASI Bangalore.

'Urological Injuries associated with fracture fracture pelvis. paper read at Indian Practitioner.

'Nutrition in Trauma (Co-author) Indian Practitioner.

'Penetrating abdominal Injuries' the Indian Practitioner January 1985 Co-author Dr. S. V. Nadkarni.

'Approach to the diagnosis of a lymph node swelling in the neck' the Indian Practitioner February 1985.

'Testicular tumours Co-author-Dr. S. V. Nadkarni,

Dr. Dewoolkar The Indian Practitioner

February 1985.

'Chemotherapy in lung cancer' The Indian Practitioner March 1985.

'Ileal prolapse through a patent vitello intestinal duct'

The Indian Practitioner-Gastroenterology issue

1985. Co-author — Dr. Acharya G. V. 'Dr. Rao R. V.

Dr. Dewoolkar.

'Co-author-Carcinoma of oesophagus Indian Practitioner.

'Working on project 'The use of antibiotics in the post-op. period.

'Co-author — Diagnosis & Management of blunt abdominal trauma'. The Indian Practitioner.

'Emergency resuscitation and evaluation of a patient with multiple injuries' The Indian Practitioner.

Immunoreactive inhibin like material in serum and

gastric juice of patients with benign and malignant diseases of stomach Dr. J. Cancer,

1985, 51.

Pyogenic Pericardial effusion following pneumonia.

Ind. Practitioner, 1985, 38.

Chorio carcinoma presenting as acute abdomen.

Ind. J. Gastroent 1985 :4.

Gastric Ulcer in India, Ind. Practitioner 1985, 38.

Endoscopic diagnosis of oesophageal malignancies :

A study of 63 cases. Ind. Practitioner 1985.

Rheumatic diseases and the alimentary tract Ind.

Practitioner, 1985, 38.

Amoxycillin in Lower Respiratory infections, under publication sent for publication but kept as hostage by Prof. Nanivadekar, Editor, Indian Practitioner).

Mebenta a combination of Tinidazole & Dilozanide in Management of intestinal Amoebiasis.
 Glycosylated haemoglobin in chronic Renal Failure & Diabetes. to be published.
 Autonomic neuropathy in diabetes — Indian jt. of diabetic a

DEPARTMENT OF PAEDIATRIC Dr. M. N. Mehta
 Dr. Fernandez
DEPARTMENT OF PHYSIOLOGY Dr.

RESEARCH

Follow up of anaemic mothers and their infants.
 Immunoglobulin estimation in children.
 Blood pressure monitoring by Doppler's method in newborn conferences attended.
 Study of Glucogen levels in various tissues in dogs due to Scorpion Venom Injection.

Blood pressure and electrocardiographic changes in Acute myocarditis due to Scorpion (Buthus Tamulus) Venom injection in dogs.
 Acute Hyperglycemia in Acute Myocarditis produced by Scorpion Venom (Buthus tamulus) injection in Dogs.

Reduction of Hion concentration in Gastric Secretions in Dogs with acute myocarditis produced by Scorpion (Buthus tamulus) venom.

Hyperglycemia and reduction in glycogen content of atria and Liver in dogs with acute myocarditis produced by Scorpion (Buthus tamulus) venom.

Increased osmotic fragility of Red cells in dogs with acute myocarditis produced by Scorpion (Buthus Tamulus) venom after incubation of 37°C for 24 hours.

Increased osmotic fragility of red cells in dogs with acute myocarditis produced by Scorpion (Buthus tamulus) venom.

DEPARTMENT OF BIOCHEMISTRY

C. S. P. enzyme choline esterase GABA, LDH isoenzymes in infection of C. N. S.
 Biochemical changes in Diabetic red cell in membranes.
 SDH levels in stress induced by immobilization & hypothermia.
 Glycosylated proteins in diabetes and other conditions.
 Biochemical studies CSF citrated levels in cerebrovascular Accidents.
 Immunoglobulins levels in CSF in neurological diseases.
 Studies metabolic implications and genetic effects of-

antimalarial drugs under Department of ? energy Scheme.

DEPARTMENT OF BIOCHEMISTRY

Study of biochemical mechanisms of the pathophysiology of acute myocarditis induced by Scorpion venom and its management. Applied.
 Mitochondrial Respiration and Oxidative phosphorylation in human Thyroid Tissue.
 Biochemical studies in Urolithiasis. Oxalate Oxidase activities in recurrent stone formation.
 Lipid and lipoprotein profile in liver diseases.
 Antibody detection by gel diffusion techniques.
 Effect of pesticides, insecticides on industrial employees by studying enzyme cholinesterase.
 Standardization of gel diffusion test for detection of antibodies.
 Detection of staphylococcus, streptococcus, chlamydiae in case of infection with septic-naemia by Flisa technique.
 Purification of scorpion venom, analysis of the fraction and preparation of antisera.
 Biochemical studies of breast milk.

**DEPARTMENT
OF
PHARMACOLOGY**

The following papers of Scientific research were presented in Asian Congress of Pharmacology Jan. 1985 in New Delhi.

Changes in succinic dehydrogenase levels in tissues in stress fat conditions.

Allergic activity of some calcium channel blockers. Tachyphylaxis to Depamine and its mechanism.

Effect of Levamesole on reaginic antibody production in rabbit.

Assessment of both immediate and delayed hypersensitivity reaction by ear thickness, measurement in rats.

Current Trends in Asthma research paper of scientific research was presented in International Symposium on impact of clinical pharmacy on therapeutics in developing countries—Bombay January 1985.

**DEPARTMENT
OF
GYNECOLOGY
& OBST**

Dr. P. R. Vaidya
Dr. G. S. Rao

PUBLICATION

Post Detism (A review of 50 cases) J. of Obstet. & Gynaec, India, Vol. 35 no. 4, in Aug. 1985.

Dr. N. S. Munshi
Dr. V. D. Patkar
Dr. P. R. Vaidya
Dr. N. N. Munshi
Dr. B. J. Parekh
Dr. A. R. Fernandez
Dr. P. R. Vaidya
Dr. P. D. Mengane
Dr. A. V. Kerkar

Developmental assessment of babies born by L. S. C. S. J. of Obstet. & Gyn. of India, Vol. 135 No. 2 in April 1985.

Semen Analysis in infertile couple, Indian Journal of Medical Research, Jan. 1985.
Written in Books.

CONFERENCES ATTENDED HONOURS CONFERRED AND AWARDS RECEIVED

**DEPARTMENT
OF
PHYSIOLOGY
DEPARTMENT
OF
PAEDIATRICS**

Dr. Balasubramaniam
Dr. K. R. K. Murthy

Attended A.P.P.I. Conference at Calcutta.

Dr. M. N. Mehta

Attended 9th Annual Conference of Bombay Haematology Group 16.17th February 1985 — Bombay.

National Seminar on Neonatal Jaundice — An update — 14th & 15th September 1985.

Workshop on Reduction in Mortality & Morbidity due due to Respiratory Disorders in our child population Bombay held on Oct. 11-13th 1985.

2nd National Conference of Iron deficiency Anemias. organised by the Indian Society of Haematology and Blood Transfusion held on October 26-27-28 1985 at K. E. M. Hospital — Bombay.

XVIIIth Annual General Body of Nutrition Society of India on Nov. 27, 28th 1985 Madras.

National Neonatology Forum Calcutta, Dec. 1985.

National Seminar on Neonatal Jaundice — Bombay Sept. 1985.

National Seminar Cum Workshop on Pediatric Nursing — Bombay Oct. 1985.

National Workshop on Reduction of mortality & morbidity due to respiratory disorders in children — Oct. 1985 — Bombay.

Cardiology seminar — Bombay September 1985.

National Workshop on Reduction of Mortality & Morbidity due to Respiratory disorders in children— Bombay October 1985.

Dr. A. R. Fernandez

Awarded Gold medal — D. C. H. in October 1985.

Dr. Kotwany
Dr. V. B. Ainapure

Cardiology Seminar — Bombay — September 1985.
National Workshop on Reduction of mortality & Morbidity due to Respiratory disorders in children — Bombay, Oct. 1985.

Dr. M. R. Lokeshwar

XXVI National conference of Indian Society of hematology & blood transfusion held at Varanasi — 19-2-1985.

DEPARTMENT OF PAEDIATRICS	Dr. M. R. Lokeshwar	National Seminar — 'Neonatal Jaundice — Update' 14-9-1985 in Bombay. II national conference on Iron deficiency anaemic — Bombay Oct. 1985. Haemophylic training programme of IS Parel — Bombay March 1985. National Symposium on Recent advances in Blood transfusion techniques. November 1985, Bombay. The Reeve H. Betts travelling fellowship of the Association of thoracic and cardiovascular surgeons of India for the year 1986.
DEPARTMENT OF CARDIOVASCULAR & THORACIC SURGERY	Dr. A. M. Patwardhan	
DEPARTMENT OF ANAESTHESIA	Dr. Pantvaidya Dr. Jagger Dr. Kadam Dr. Jagtap Dr. Hemalata Dr. Bapat Dr. Marathe Dr. Shukla Dr. Keswani Dr. Golam	Attended 34th Annual National conference of Indian Society of Anaesthetist at Bombay in 1985.

APPENDIX III
STATEMENT SHOWING BEDS ACCORDING TO
DEPARTMENTWISE & SEXWISE

DEPARTMENT	MALE	FEMALE	CHILDREN	UNCLASSIFIED	TOTAL
(A) NON PAYING BEDS					
Teaching Beds.					
MEDICINE	126	36	—	—	162
SURGICAL	120	36	—	—	156
ORTHOPAEDICS	36	24	12	—	72
CYNAEC	—	36	—	—	36
OBSTATRICS & PPM	—	120	—	—	120
ENT— AURAL	14	6	10	—	30
OPHTHALMIC	18	14	8	—	40
DERMATOLOGY & V. D.	12	8	6	—	26
PAEDIATRICS INCLUDING I.P.C.U. & R. C.	—	—	115	—	115
PAEDIATRIC SURGERY	—	—	24	—	24
PSYCHIATRIC	12	8	6	—	26
CARDIOLOGY & ICCU	14	6	—	10	30
UROLOGY	20	2	3	—	25
NEURO SURGERY	10	4	2	—	16
PLASTIC SURGERY	20	3	2	—	25
EMERGENCY WARD	—	—	—	10	10
A. K. D.	—	—	—	6	6
BURNS	—	—	—	16	16
TETANUS	—	—	—	16	16
C.V.T.S.	8	6	1	4	19
TOTAL :	410	309	189	62	970
(B) PAYING BEDS					
NON TEACHING BEDS					
MEDICAL & ALLIED	17	9	—	—	26
SURGICAL & ALLIED	17	10	—	—	27
CYNACE & OBSTETRICS	—	15	—	—	15
TOTAL :	34	34	—	—	68
(C) BEDS RESERVED FOR BEST UNDERTAKING STAFF					
MEDICAL	5	—	—	—	5
SURGICAL	5	—	—	—	5
TOTAL :	10	—	—	—	10
GRAND TOTAL :	454	343	189	62	1,048

APPENDIX NO. IV

(A) Departmentwise distribution of admissions and Out-patients treated during the year 1984 & 1985.

Sr. No.	Name of the department	In-Patients		Out-Patients	
		1984	1985	1984	1985
1	Medical	10667	11859	27540	50235
2	Surgical	7124	—	38919	46607
3	E. N. T.	1223	1515	10016	12513
4	Ophthalmic	1252	1116	9273	13388
5	Skin	158	153	12800	12732
6	Dental	—	—	8686	9046
7	Paediatrics	6644	7655	16747	20724
8	Psychiatrics	766	755	1342	2779
9	Orthopaedics	2651	3618	17952	20956
10	Gynaec	1581	2916	5670	6591
11	Obstetrics	7707	7660	9507	10886
12	Neuro Surgery	329	445	726	828
13	Cardiology	1373	1404	700	494
14	Cardio Vasculer Thoracic Surgery	158	172	122	230
15	Plastic Surgery	351	492	422	403
16	Urology	327	447	568	576
17	Paediatric Surgery	1576	1405	—	11553
18	G. I. Clinic	—	—	248	115
19	Chest Clinic	—	—	152	55
20	D. U. H. C. Medical	—	—	—	8517
	Paediatric.	365	—	—	11892
21	Remained on the last day of the previous year.	1134	970	—	—
TOTAL		45380	50598	161239	230972

(B) Results of Treatment

Hospital	Cured	Relieved	Otherwise	Delivered	Expired
L. T. M. G. Hospital & Annapurnabai Deshmukh Hospital for women.	8295	24943	12282	5935	4272

(C) Classification of deaths according to their time of admissions.

Within 24 hours of admissions	After 24 hours of admissions but within 3 days	After 3 days of admissions	Total Deaths
1329	812	2131	4272

APPENDIX V

Statement of donations received in Poor Box fund above Rs. 500/- for the period from 1st April 1985 to 31st March 1986.

Date	Receipt No.	Name	Donation Rs.
9-4-1985	37019	Inner Wheel Club of Bombay	700.00
16-4-1985	37069	C. M. Doshi family Charitable Trust.	1000.00
2-5-1985	39217	Patients of deaf students	1022.00
12-8-1985	8263	Lilavati N. Parekh Ch. Trust	1050.00
21-8-1985	9428	Laxmibai Kakad	2000.00
28-8-1985	9462	Manjuben	1800.00
12-9-1985	10979	Lilavati Parek Ch. Trust	900.00
12-9-1985	10978	Sunday friends club	1000.00
14-9-1985	12412	G. T. Majethia	1001.00
27-9-1985	12496	Jaiwant Wagh	1001.00
5-10-1985	13681	Rajju Shroff	630.00
28-10-1985	15977	Indian Vegetable Products	5000.00
2-11-1985	17019	Parents of the deaf children	783.00
10-12-1985	19900	Durga Prachar Mandal	2000.00
27-1-1986	24400	Zandu Pharmaceutical work	501.00
28-1-1986	25801	Inner Ulel club of Bombay East.	2000.00
Total donation below 500/-			9994.00
Total amount			32,182.00

APPENDIX No. VI

EXPENDITURE PER IN-PATIENT-AND PER OUT-PATIENT PER DAY

YEAR	DIET	MEDICINE DRUGS AND EQUIPMENTS	STORES & LINEN	MISCELLA- NEOUS	REPAIRS TO BUILDINGS	ESTABLISH- MENT	TOTAL
In-Patient							
1984-85	6.55	17.30	4.51	6.15	5.50	81.53	121.54
1985-86	9.13	19.35	5.95	9.96	6.50	93.30	144.19
Out-Patient							
1984-85	—	6.76	1.76	2.40	2.15	31.89	44.96
1985-86	—	3.03	0.93	1.56	1.02	14.62	21.16

APPENDIX VII

Prizes and Awards received by the Students during the year 1985.

- | | |
|---|--|
| 1) Dr. R. S. Tembe Prize for standing first in Final MBBS exam. held in October 1985. | Miss Hema Ganesan |
| 2) Smt. Shantabai K. Rao Prize for standing 1st in Medicine | Mr. P. Vaidyanathan Vednarayan |
| 3) Dr. G. S. Ambardekar Prize for standing 1st and IInd MBBS class in October 1985. | 1st Miss Dalmia Mamta Buddhiprakash
IInd—Miss Dangi Shubhangi Devdas. |
| 4) Dr. B. R. Damle Memorial Gold Medal in Medicine. | 1st—Mr. Mahendra Kelkar.
IInd—No. Candidate found eligible. |
| 5) Dr. B. R. Damle Memorial Gold Medal in P. S. M. | 1st—Mr. P. V. Vaidyanathan
IInd—Mr. U. V. Kinawadekar. |
| 6) Dr. G. M. Phadke Memorial Award in Surgery. | 1st—Mr. Umesh Kulkarni
IInd—Miss Geeta Charl and Miss Punya Raman. |

- 7) Dr. G. N. Phadke Memorial Award in Pharmacology. Ist—Smt. Neeta Mahadik.
IInd—Shri Sanjay Shah.
- 8) Dr. B. M. Bhargava Memorial prize in Obst & Gyn. Ist—Mr. Allababadia
IInd—Smt. Joglekar &
Smt. Dave Parul.
- 9) Dr. B. M. Bhargava Memorial Prize in Anatomy. Ist—Miss Dangi S. D.
IInd—Miss Delmia M. B.
- 10) Dr. C. M. Gadre Memorial Prize in ENT. Ist—Shri Umesh Kulkarni
IInd—Smt. Shetty S. &
Smt. Warty Minal.
- 11) Dr. C. M. Gadre Prize in Physiology. Ist—Mr. Prasad J. Kamat
IInd—Miss Joshi Smita.
- 12) Dr. Athavale prize in Pathology. 1) None of students deserve Ist prize.
2) Sanjay Shah-IInd prize.
- 13) Dr. Athavale Prize in Paediatrics. 1) Mr. Neeraj Sharma
2) Miss Anis Sheikh.
- 14) Dr. Sathes prize in ophthalmology for Interns
for the year 1985. Miss Ruchi Bhargava.
- 15) Hemant Kelkar Prize standing I in Merit amongst the
student for M. S. (Gen-Surgery) In November 1985.

APPENDIX No. VIII
Performance Targets and Achievements for the year

Activity Name	Out-patients	In-patients	Out-patients	In-patients
2) Medicine	43072	15136	50235	11859
3) Surgery	49655	11909	50248	10794
4) Gyn & Obst.	18037	10210	17477	10676
5) Paediatrics	30723	8578	32616	7455
6) Casualty	26649	—	26584	—
7) Orthopaedics	32576	3284	20956	3618
8) E. N. T.	14505	1413	12513	1515
9) ophthalmology	13669	1326	13388	1146
10) Skin & V. D.	16949	175	12732	153
11) Psychiatry	1103	689	2779	755
12) O. T. & P. T. Treatment	50181	240233	81211	299213
13) Dental	13234	—	18493	—
14) Dispansary	395998	—	263609	—
15) Social Service	36003	—	16842	—
16) Paying Ward (No. of patients)	—	1736	—	1544
17) Radiology (No. of X-Ray plates)	—	114759	—	118411
18) Blood Bank				
i) No. of collection of blood bottles	—	7609	—	10431
ii) No. of blood bottles issued	—	7476	—	8366
19) Pharmacy				
i) Infusion of bottles				
ii) Vials				
20) EW/Accidental serive				
i) Patients admitted	—	3014	—	2143
ii) Calls attended	—	175	—	58
21) Lab Service (No. of investigations)	—	418240	—	410247
22) Anaesthesiology (No. of patients)	—	15484	—	14271
23) Operation Theatre				
No. of operations performed.	28584	21996	35357	20411
24) Cardiology	937	1780	484	1404
25) Municipal Staff				
No. of mun. staff given Med. & drugs	49861	—	29341	—
26) Nursing School				
No. of students given nursing training.	—	171	—	—

THE NAIR HOSPITAL DENTAL COLLEGE, BOMBAY — 8.

HIGH LIGHTS.

Dr. D. R. Shahani, held the post of Dean during the year i.e. from 1-4-1985 to 31-3-1986. There was no occasion on which the provisions of the Bombay Municipal Servants' Act 1890 had to be brought into force during the year under report.

There was no Award or Adjudication during the year under report.

A mobile dental van for rendering dental treatment to the dental patients introduced in the year 1982-83, continued its work during the year under report. The treatment was rendered in those areas of slums, hutment colonies etc. in Greater Bombay, where treatment facilities are not available to the citizens.

20 members of the administrative staff of this Institution were awarded Dr. A. L. Nair & Dr. M. Venkatrao Memorial cash prize and certificate for the year 1984-85.

PATIENTS TREATED :

1,85,540 patients were treated in different departments of this Institution and the daily average was 518 patients. Total income and expenditure of this Institutions during the year was 8,10,524.61 and 74,62,248.78 respectively as against the income of Rs. 7,61,213.76 and expenditure of Rs. 71,74,618.18 last year.

STUDENTS SECTION :

UNIVERSITY EXAMINATION RESULTS.

Examination	Total No. of students appeared.		Total No. of students passed.	
	April 1985	October 1985	April 1985	October 1985
I. B. D. S.	43	23	39	19
II B. D. S.	61	15	54	10
III B. D. S.	55	15	43	10
IV B. D. S.	41	12	35	11
Total	200	66	171	50
I. M. D. S.	20	—	20	—
II M. D. S.	15	5	13	5
Total	35	5	33	5

The college conducts 4 years course in Dentistry leading to the Degree of Bachelor of Dental Surgery and also 2 years Post-graduate course in 8 Dental specialities leading to the Degree of Master of Dental Surgery of University of Bombay.

Education Activities and Seminars :

Professor N. W. Johnson, Chairman of Nuffield Research, Professor of dental Sciences at Royal College of Surgeons in England & Hon. Director of Medical Research Council & Dental Research unit U. K. delivered a lecture on "Are carries and periodontal diseases disappearing?" "Implication Vis-A-Vis Dental Practice" on 5-1-1986 and Miss Marzia Rowhani of Bahia Organisation delivered a lecture on 20-2-1986 on the subject "Promise of World Peace".

Hostel :

73 boys and 48 girls took advantage of the Nair Hospital Dental College Hostel which is at Haji Ali.

Library :

During the year 353 books have been added to the collection. There are 7401 books in the Library. Currently, the Library Subscribes to 60 periodicals titles in addition to the complimentary periodicals and some college magazines. The Library holds 238 dissertations. There are 1748 bound volumes of the Journal.

Special Equipment :

As regards special equipments, the college has over 150 dental units, some of them fitted with modern gadgets like Mini Air Turbulne units, kavo W. Germany make 32 Nos. 169 dental chairs, 90 bench type engines, Jugeodent and W & H Austrian make for preclinical laboratories, upto date Operation Theatre with latest dental drilling engines and Royle Apparatus Mk III with circle Absorber etc. 3 Nos. Dentsply Cavitron Ultrasonic scaler, U. S. A. make, 1 No. of CS-76 Oryosurgical System unit slide talk sound system. There are 5 dental X-ray units D Ergophos-4E 200 M. A. X-ray unit with tomographic screening facilities.

(2) Cephalostate X-ray unit, (3) Heliodont — 60 x-ray unit. (4) Heliodont — 70 x-ray unit with Dentotime and also (5) Status x-ray units. Siemens, W. Germany make has been added to facilitate panoramic radiography.

Recently Jelrus Porcelain Furnace with Vucast Induction Casting Machine with relevant accessories added to produce porcelain with bonded metal restoration. New Dental Units fitted with air turbine and Dental Chairs have been booked for various departments as replacement for old ones. They shall be commissioned soon.

The college has an air-conditioned auditorium of 175 people capacity fitted with modern scientific equipment and overhead slide projector etc.

The college has a ward of 16 beds (Male 8 Female 8) specially for dental in-patients 3843 patients (1966 Male 1473 Female and 404 Children 3843) were admitted to the ward for treatment during the year 1985-86.

The staff engaged for different services in this college are Dental — 123 (2) Para-Dental — 63 (3) Medical — 26 (4) Non-Medical — 208.

Resume of work done in the college.

The total number of dental out patients treated in different clinics was 1,85,540 including School children from the various Municipal Schools in the morning as well as in the evening clinics which includes 90351 male 65230 female and 29959 children. In addition to the above patients, 4040 patients were treated by the staff of Community mobile dental Service. The details of work carried out in different department are given in the appendices 'A' to 'L' attached herewith.

During the year, 116 dental camps were arranged by the Institution in different parts of Greater Bombay.

Sd/-

(Dr. D. R. Shahani)
Dean, NHDC

APPENDIX 'A'

Summary of yearly Report of the Clinical work from 1-4-1985 to 31-3-1986.

Sr. No.	Description.	Total
1.	New Patients.	48969
2.	Old Patients.	92256
3.	Total Patients.	141225
4.	Male.	66412
5.	Female.	50391
6.	Children.	24422
7.	Silver filling.	5865
8.	Root canal filling.	828
9.	Cold Inlays.	78
10.	Fixed Bridge.	—
11.	Jacket Crown.	370
12.	Scaling.	11961
13.	Gingivectomy & Gingivoplasty.	309
14.	Extractions.	26603
15.	3rd Molar Impaction.	242
16.	Surgical treatment for	
	a) Cyst.	38
	b) Fracture of Jaw.	46
	c) Cold well luc.	4
	d) Hemimandibalectomy & Osteotomy.	42
	e) Cleft Palate.	—
	f) Cleft lip.	—
	g) Condylectomy—	1
	h) Tumours.	1
	i) Maxilectomy.	1
	j) Plastic Reconstructive surgery.	—
17.	Transplantation of the teeth.	—
18.	Replantation of the teeth.	1
19.	X-ray	15548
20.	Fixed Appliances for Ortho treatment.	122
21.	Removal Appliances Ortho treatment.	248
22.	Full Dentures.	989
23.	Partial Dentures.	740
24.	Operations under G. A. cases.	190
25.	Operations under L. A. cases.	235
26.	Extra Oral films.	2326
27.	Intra Oral films.	10021
28.	Occlusal films.	190
29.	Panagraph films.	1929
30.	Child films.	1052
31.	Total Collection (Paid) Rs. Np.	735537.61.
32.	Free Cases. (Poor Box) Rs. Np.	—
33.	Grand Total Rs. Np.	735537.61

X-Ray film A/c.

1.	Intra Oral Films.	10021
2.	Extra Oral Films (6 1/2" 8").	2154
3.	Extra Oral Films (8" x 10").	171
4.	Extra Oral Films (12" x 15").	1
5.	Panographs.	1929
6.	Occlusal Films.	190
7.	Child Films.	1082
8.	Total No. of Patients.	10549

APPENDIX 'B'.

Maxillo-Facial and Oral Surgery Department.
List of Operations done during 1985-86.

(A) Oral Surgery.

Sr. No.	Description.	Total.
1.	New Patients.	1189
2.	Old Patients.	4698
3.	Total patients.	5887
4.	Male	3482
5.	Female	2086
6.	Children.	319
7.	Check-up done.	2180
8.	X-Rays.	1173
9.	Sutures removed.	237
10.	Dressing.	309
11.	Teeth Ext.	633
12.	Wiring.	61
13.	Blood urine exam.	218
14.	Abscess Incise.	49
15.	Alveolectomy	5
16.	Apicectomy	27
17.	Aurioplasty (Vnilateral)	1
18.	Aurioplasty (Bilateral)	1
19.	Biopsy	60
20.	Bone Graft.	3
21.	Bilateral ankylosis with rib graft.	8
22.	Cyst	36
23.	Closure of oroantral fistula	9
24.	Curettage of E. O. Sinus.	4
25.	Caldwall Luc.	4
26.	Condylectomy	1
27.	Curettage.	2
28.	Division of D. P. flap.	—
29.	Ext. of supernumerary.	1
30.	Excision of epulis.	—
31.	Excision of soft tissue.	—
32.	Exploration.	2
33.	Eminectomy.	5
34.	Impaction.	—
35.	Fracture.	131
36.	Frenectomy.	46
37.	Fibrous dysplasia.	—
38.	Gland excision.	4
39.	Hemimandibulectomy.	3
40.	Mandibulectomy.	—
41.	Neurectomy.	3
42.	Ostootomy.	14
43.	Reduction of nasal fracture.	42
44.	Repair of cleft palate.	1
45.	Repair of Hare lip.	1
46.	Repair of the lip.	2
47.	Resuturing.	—
48.	C. A. Cases.	—
49.	G. A. Cases.	235
50.	Rupees.	190
51.	Free.	60,596.50
52.	Excision of denture hyperplasia.	215
53.	Release of submucous fibrosis with skin grafting.	1
54.	Replantation.	1
55.	Re-construction of mandible.	1
56.	S. M. F. with skin graft.	1
57.	Tumour.	4
58.	Maxilectomy.	1
59.	Alveoleoplasty.	1
60.	Excision of Ameleoblastoma.	1
		2

Sr. No.	Description.	Total.
61.	Skin graft.	2
62.	Skin graft inchick.	1
63.	Osteomyelitis.	3
64.	Operculectomy.	1
65.	Release of TMJ ankylosis with castochondral graph.	1
66.	Excision of fibrous fract.	1
67.	Partial resection of hypertrophic massctor.	1
68.	Excision of Giant Cell Granuloma.	1
69.	Submand stone removed.	1
70.	Salinary stone removed.	1
71.	Mandible resection.	1
72.	TMJ ankylosis.	1
73.	Excision of Ca-Checker.	1
74.	Insertion of silastic into for defect on forehead.	1
75.	Mucocele of lower lip.	3
76.	Scar revision.	1
77.	Revision of ame leoblastoma of mandible in bone graft.	1
78.	Silolothotany.	1
79.	Sezuestrectomy.	5
80.	sup. border wiring.	3
81.	Natofibroma N	1
82.	Rhinoplasty.	1
83.	I. M. L.	1
84.	Alvee leoplasty.	1
85.	Trismus relieving.	1
86.	TMJ ankylosis with cylastic graft.	1

APPENDIX 'B' — (CONTD.)

(B) EXODONTIA DEPARTMENT

Administrative Report from 1st April 1985 to 31st March 1986.

Sr. No.	Description.	Total.
1.	New Patients.	17249
2.	Old Patients.	12580
3.	Total Patients.	30229
4.	Male.	17785
5.	Female.	12369
6.	Children.	75
7.	Consultation.	1798
8.	Prescription.	1794
9.	Teeth Ext.	25970
10.	G. A. Ext.	—
11.	Root Ext.	—
12.	X-Ray	871
13.	Medication.	—
14.	Abscess Incise.	27
15.	Alveolectomy.	35
16.	Flap Removed.	20
17.	Impacted Third Molar.	242
18.	Suture removed.	359
19.	Excision of Epulis.	—
20.	Dressing.	—
21.	Cyst operation.	2
22.	Rupees.	58221
23.	Free.	—
24.	Flushing.	19

APPENDIX 'C'

DEPARTMENT OF ORAL ANATOMY, HISTOLOGY, ORAL PATHOLOGY AND MICROBIOLOGY
Administrative Report from 1st April 1985 to 31st March 1986.

Sr. No.	Description.	Total.
1.	Pathology Biopsy.	45
2.	Surgical Biopsy.	400
3.	Total No. of Biopsy.	445
4.	No. of Paraffin Blocks.	445
5.	No. of Teeth & Embryo Blocks.	21
6.	Recutting of Block.	90
6.	Total No. of Blocks cut.	718
8.	Total No. of paraffin slides prepared.	2832
9.	No. of slides routine stain.	718
10.	No. of slides special stain.	620
11.	Total No. of slides stain.	1338
12.	Total No. of ground sections.	51
HAEMATOLOGICAL INVESTIGATIONS.		
1.	No. of Haemoglobin.	1140
2.	No. of Bleeding time.	1102
3.	No. of Allotting time.	1102
4.	No. of W. B. C.	1112
5.	No. of white cell Morphology.	1112
6.	No. of Plate count.	29
7.	Erythrocyte sodimentation rate.	391
BIOCHEMICAL INVESTIGATION.		
8.	Blood sugar.	351
9.	Blood urea.	320
10.	Serum Alkaline phosphatase.	39
11.	Serum cholesteral.	9
12.	Serun Electrolyte.	15
13.	Serum Creatimine.	12
14.	Serum Billirubin.	2
SEROLOGICAL INVESTIGATION.		
15.	V. D. R. L.	161

APPENDIX 'D'

ORAL DIAGNOSIS AND RADIOLOGY DEPARTMENT
ANNUAL REPORT FROM 1st APRIL — 1985 to 31st MARCH 1986.
Details of Radiography taken and Reported.

Month.	Intra-Oral	Extra-Oral 6½ x 8½	Extra-Oral 8 x 10	Extra-Oral 12 x 15	Panograph.	Occlusal.	Child.	No. of patients.
April, 1985.	1254	229	3	—	76	16	46	881
May, 1985.	2172	238	3	—	142	42	56	1402
June, 1985.	384	147	—	—	91	7	30	512
July, 1985.	923	114	—	—	31	18	130	866
August, 1985.	911	179	—	1	186	16	130	1023
September, 1985.	644	154	—	—	139	11	104	765
October, 1985.	150	196	2	—	219	12	42	488
November, 1985.	342	219	—	—	212	8	60	597
December, 1985.	641	194	—	—	263	17	138	1020
January, 1986.	918	177	—	—	244	14	199	1166
February, 1986.	878	151	105	—	171	18	106	870
March, 1986.	804	156	58	—	155	11	121	867
Total	10021	2154	171	1	1929	190	1062	10649

APPENDIX — E
DEPARTMENT OF PERIODONTOLOGY
 Clinical Annual Report for the year 1st April 1985 to 31st March 1986.

Sr. No.	Description.	Total.
1.	New Patients.	8859
2.	Old Patients.	14804
3.	Total Patients.	23663
4.	Male.	13774
5.	Female.	9693
6.	Children.	196
7.	Medication.	259
8.	Consultation.	9293
9.	X-Rays.	338
10.	Scal. (Incomp.)	7994
11.	Scal. (Comp.)	3515
12.	Free.	452
13.	Curettage.	192
14.	Gingivectomy.	309
15.	Free.	9
16.	Flap surgery.	244
17.	Pack removed.	745
18.	Impression.	9
19.	Splints.	—
20.	Occl. Adj.	6
21.	Acute inf.	—
22.	Frenectomy.	8
23.	Abscess drained.	—
24.	Graft.	7
25.	Rupees.	54562000

APPENDIX 'F'
DEPARTMENT OF OPERATIVE DENTISTRY.
 Clinical Annual Report for the year 1-4-85 to 31-3-1986.

Sr. No.	Description.	Total.
1.	Old Patients.	19772
2.	New Patients	7586
3.	Total Patients.	27358
4.	Male patients.	15594
5.	Female patients.	11764
6.	Consultaion.	7263
7.	Medication.	3327
8.	Cutting & Zone	5959
9.	Ag. filling paid.	4816
10.	Ag. filling free.	1049
11.	Total Ag. fillings.	5865
12.	Silicate filling paid	212
13.	Silicate filling free	35
14.	Total Silicate fillings.	247
15.	Inlay Paid.	68
16.	Inlay free.	10
17.	Total Inlays.	78
18.	Full Crown paid.	313
19.	Full Crown Free.	107
20.	Total Full Crowns.	420
21.	Jacket Crown paid,	298
22.	Jacket Crown Free.	72
23.	Total Jacket Crowns.	370

Sr. No.	Description.	Total.
24.	Root Canal filling paid.	846
25.	Light Cured.	11
26.	Root Canal filling free.	182
27.	Total Root Canal fillings.	828
28.	Pulpotomy Paid.	95
29.	Pulpotomy free	26
30.	Total pulpotomy.	121
31.	Root Canal Dressing.	1916
32.	Apisectomy paid.	32
33.	Apisectomy Free.	5
34.	Total Apisectomy.	37
35.	Dowel Crown paid.	54
36.	Dowel Crown Free.	16
37.	Total Dowel Crowns.	70
38.	Composite fillings paid.	96
39.	Composites fillings free.	12
40.	Aspa filling paid.	8
41.	Aspa filling free.	1
42.	Chem fillings paid.	38
43.	Chem fillings free.	6
44.	J. C. Gold backing paid.	34
45.	J. C. Gold backing free.	Nil
46.	Blood Test.	42
47.	Urine Test.	23
48.	Zinc Phosphate cement filling.	7
49.	Handing over X-ray films to patient.	22
50.	I. O. X-ray paid.	3348
51.	I. O. X-ray free.	943
52.	Panoramic X-rays paid.	4291
53.	Amount collected Rs.	108489.00

APPENDIX — G

ORTHODONTIA DEPARTMENT

Clinical Annual Report for the year 1-4-1985 to 31-3-1986.

Sr. No.	Description.	Total.
1.	New Patients' Visits (Const.)	546
2.	Old Patients' Visits.	10,547
3.	Total Visits.	11,093
4.	Male	4,504
5.	Female.	6,589
6.	Impressions.	1,482
7.	X—Rays.	262
8.	Cephalograms.	487
9.	Photographs.	225
10.	New Patients' Treatment started.	370
11.	Space Maintainers given.	41
12.	Fixed Appliance New Patients.	122
13.	Removable Appliance New Patients.	248
14.	Fixed Appliance Adjustments.	1,037
15.	Removable Appliance Adjustments.	2,068
16.	Special Appliances.	25
17.	Extra Oral Appliances.	17
18.	Retention Plates (Complete Cases).	105
19.	Habit Breaking Appliances.	86
20.	Myofunctional Appliances.	103
21.	Space Maintainers given.	41
22.	Checkup done.	4,915
23.	Charges.	270
24.	Free.	100
25.	Amount Collected Rs.	1,47,245

APPENDIX ' H'

PEDODONTIA DEPARTMENT

Yearly report from 1st April 1985 to 31st March 1986.

Sr. No.	Description.	Total.
1.	New Patients.	5649
2.	Old Patients.	17062
3.	Total Patients.	22711
4.	Complete Treatment under G. A.	47
5.	Consultation	2936
6.	Medication.	2773
7.	X—Ray	834
8.	Cavity cutting zno filling.	4611
9.	A. G. Filling paid.	1619
10.	A. G. Filling free.	1930
11.	Total A. G. Filling.	3549
12.	R. C. Filling paid.	56
13.	R. C. Filling free.	19
14.	Total R. C. Filling.	75
15.	Pulpotomy paid.	248
16.	Pulpotomy free.	85
17.	Total Pulpotomy.	333
18.	Scaling Polishing paid.	154
19.	Scaling Polishing Free.	349
20.	Total Scaling Polishing.	503
21.	Extraction paid.	4826
22.	Extraction free.	2631
23.	Total Extraction.	7457
24.	Fisher filling paid.	42
25.	Space Maintaner paid.	14
26.	Jacket Crown paid.	15
27.	Composit Filling.	11
28.	S. S. Crown.	5
29.	Full Crown.	5
30.	Gold Inlay	2
31.	Gold Crown.	1
32.	Floride.	6
33.	Flap Operation.	2
34.	Apiseetomy.	4
35.	Silicate Filling.	5
36.	Zinecemeat Filling.	4
37.	Pathology.	78
38.	R. C. Dressing.	784
39.	Pulp capping.	106
40.	Chekup.	532
41.	Rupees.	31604

APPENDIX 'I'
PROSTHETIC AND CROWN AND BRIDGE DEPARTMENT.
ANNUAL REPORT FROM 1st April 1985 to 31st March 1986.

Sr. No.	Description.	Total.
1.	New Patients.	2678
2.	Old Patients.	7057
3.	Total Patients.	9735
4.	Male Patients.	6236
5.	Female Patients.	3460
6.	Children.	39
7.	Consultation.	2678
8.	Complete dentures.	989
9.	Partial Dentures	740
10.	Repair of dentures.	322
11.	Crown & Bridge treatment.	207
12.	Bridge (6 units).	1
13.	Bridge (3 units).	76
14.	Bridge (4 units).	15
15.	Bridge (5 units).	5
16.	Bridge (8 units).	1
17.	Obturator & Cleft palates.	4
18.	Relining & Rebasing.	7
19.	(Other mechanical appliances Mandibulactemy, T. M. Joint Tracing flange, Bite Raising etc.).	—
20.	Immediate dentures.	6
21.	X-rays.	173
22.	Total Collection : (Revenue).	Rs. 93,995/-
FREE WORK DONE DURING THE YEAR :		
23.	Complete Dentaures	188
24.	Partial Dentures	166
25.	Repair of dentures.	37
26.	Crown & Bridge.	83
27.	Crown.	5
28.	Bridge (3 units).	19
29.	Bridge (4 units).	2
30.	Bridge (5 units)	1
31.	Birdge (8 units).	1
32.	Obturators.	2
33.	Relining & Rebasing.	1
34.	X-rays.	46
35.	Immediate denture.	1
36.	Total amount collected through poor-box fund by receipts.	—

APPENDIX 'J'

Report of the Dental Camps for the year April 1985 to March 1986.

Months	Camps	Patients treated
April 1985	11	281
May 1985	2	208
June 1985	—	—
July 1985	7	280
August 1985	10	369
September 1985	7	109
October 1985	2	90
November 1985	12	368
December 1985	10	436
January 1986	26	723
February 1986	21	609
March 1986	10	280
Total :	118	3753

APPENDIX 'K'

List of Scientific Publication and Papers read during the year 1985-86.

DEPARTMENT OF ORAL PATHOLOGY, MICROBIOLOGY, ANATOMY & HISTOLOGY.

Doctor	Subject	Particulars
Dr. A. P. Bhatt Dr. (Mrs.) V. R. Brave	Mandibulo-facial dysostosis	I. D. A., A.P. State Branch Vol XI, No. 6, 1985.
Dr. A. P. Bhatt Dr. (Mrs.) V. R. Brave	Hypohidrotic Ectodermal dysplasia	I. D. A., A. P. State Branch Vol. XI, No. 4, 1985.
Dr. A. P. Bhatt	Multiple Recurrent aphthous ulcers.	I. D. A. Vol. 57, March 1985.
Dr. A. P. Bhatt	Acute Candidiasis	I. D. A. Vol. 57, April 1985.
Dr. A. P. Bhatt	Oral Squamous papilloma	I. D. A. Vol. 57, May, 1985.
Dr. A. P. Bhatt	Haemangioma	I. D. A. Vol. 57, June, 1985.
Dr. A. P. Bhatt	Black Hairy tongue	I. D. A. Vol. 57, July, 1985.
Dr. A. P. Bhatt	Plaque type of lichen planus	I. D. A. Vol. 57, August 1985.
Dr. A. P. Bhatt	Tongue tie or partial ankyloglossia	I. D. A. Vol. 57, September 1985.
Dr. A. P. Bhatt	Neurofibroma	I. D. A. Vo. 57, October 1985.
Dr. A. P. Bhatt	Phogenic granuloma	I. D. A. Vol. 57, November 1985.
Dr. A. P. Bhatt	Secondary syphilis (Mucous patches)	I. D. A. Vol. 57, December 1985.
Dr. A. P. Bhatt	Squamous cell carcinoma (Grade II)	I. D. A. Vo. 58, January 1986.
Dr. A. P. Bhatt	Haemangioma of the lip	I. D. A. Vol. 58, February 1986.
Dr. A. P. Bhatt	Lupus erythematosus	I. D. A. Vol. 58, March 1986.
Dr. A. P. Bhatt	Primary cancer on lower lip	I. D. A. Vol. 58, April 1986.
Dr. A. P. Bhatt		Guest lecture given at Rajasthan State Dental Conference at Jaipur (November 1985).
PERIODONTOLOGY		
Dr. P. K. Bhamhani	Chemical Plaque inhibitors	Essay written for Indian Society of Periodontology Essay competi- tion 1985-86 and won the Conso- lation prize-sent for publica- tion to Dental Dialogue.
Dr. N. K. Kothare.	Prevention and Treatment of Periodontal Disease.	Participated in Symposium organised by Zoroastrian Dental Association — on 1st December 1985.
Dr. N. K. Kothare.	Scope of Surgical Periodontics in General Practice.	Participated in Convention organised by Indian Dental Association (Bombay Branch) on 10th May, 1986.

Doctor.	Subject.	Particulars.
MAXILLO—FACIAL & ORAL SURGERY.		
Dr. J. N. Khanna. Dr. J. S. Galinde. Dr. Vivek Soni. Dr. (Mrs.) N. A. Malik. and Dr. C. P. Mathai. Dr. (Mrs.) N. A. Malik.	The transnasal Approach of Maxillary Nerve Neurectomy—New approach. Rare causes of Osteomyelitis. Soft tissue profile changes associated with orthognothic surgery for Bimaxillary protrusion.	Paper read by Dr. Vivek Soni at 11th Annual Conference of Oral Surgeons of India held at Calcutta. Paper read by Dr. C. P. Mathai at 11th Annual Conference of Oral Surgeons of India held at Calcutta. Papers presented at 12th A. P. D. C. Conference held on 5-12-1985 at Bangkok, Thailand.

PROSTHETIC DENTISTRY.

Dr. Dilip S. Deshpande, Lecturer, Full time went to Labor Kurz in Dusslingen, West Germany for 3 months to do a short course in Ceramics, and precision Attachments and to learn how to handle the equipment needed for the same. While doing above course, Labor Kurz arranged for demonstration course in Oral Implantology in the University of Tubingen.

ORAL DIAGNOSIS & RADIOLOGY

Dr. S. A. Jakhi. Dr. (Miss.) B. K. Parikh.	Serum & Salivary Immunoglobulin studies in Oral Submucous Fibrosis.	Sent for publication.
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CONSERVATIVE OPERATIVE DENTISTRY

Doctor.	Subject.	Particulars.
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PUBLICATIONS :

Dr. D. R. Shahani.	Comparative Study of Desensitising effect of Dentifrices containing sodium Monofluoro phosphate and formalin.	J. A. D. A. 1986.
Dr. D. R. Shahani.	Clinical Evaluation of Glass Ionomer Cement and Microfilled Composites with a dentin adhesive in the treatment of cervical lesions of the teeth — Confirmed with Scanning Electron Micorscopy.	J. A. D. A. 1986.
Dr. D. R. Shahani.	An invitro study between sodium fluoride varnish and sodium fluoride solution on the acid resistance of Human Tooth Enamel.	J. A. D. A. 1986.

PAPERS SENT FOR PUBLICATIONS :

Dr. D. R. Shahani.	A comparative study of antibacterial efficacy of electrosterilization and Camphorated Menochloro phenol in infected Root Canal.
Dr. D. R. Shahani.	An invitro study of the solovent action of sodium hydrochlorite solution on various types of tissue at different concentrations and temperatures.
Dr. D. R. Shahani.	Evaluation of PH and antibacterial property of Calcium Hydroxide preparations used as lining materials.
Dr. D. R. Shahani.	Comparision of 3 Root Canal Medicaments, CMCP, 1% Hexidine and Nitroflurazone in infected root canal Therapy.
Dr. D. R. Shahani.	Enamel Solubility of glass ionomer aesthetic filling material.

APPENDIX 'L'

Prizes and Awards won by the staff and students of the college for 1985-86.

Sr. No.	Name of student.	Academic	Name of prize.
1.	Miss Lodaya Jagruti S.	I.B.D.S.	Silver Jubilee Scholarship.
2.	Miss Malaney Kalpana.	II B.D.S.	Silver Jubilee Scholarship.
3.	Shri Deodhar Sumukh S.	III B.D.S.	Silver Jubilee Scholarship.
4.	Shri Soni Vivek P.	IV B.D.S.	Silver Jubilee Scholarship.
5.	Shri Deodhar Sumukh S.	III B.D.S.	Dr. J. M. Dubhash Scholarship.
6.	Shri Soni Vivek P.	IV B.D.S.	Dr. P. P. Shahani Scholarship.
7.	Shri Soni Vivek P.	IV B.D.S.	Best Student Award.
8.	Miss Mehta Jagruti.	IV B.D.S.	Raksha Dharia Scholarship.
9.	Shri Deodhar Sumukh S.	III B.D.S.	Dr. Vinod Bhatt Scholarship.
10.	Shri Kothari Prasad.	III B.D.S.	Dr. Vinod Bhatt Scholarship.
11.	Miss Rathi Purnima J.	III B.D.S.	Dr. Vinod Bhatt Scholarship.

12. Best student award delivered by Medical Welfare Trust one for Male and one for Female.
Male — Shri Soni Vivek P.

Female — Miss Jagruti S. Mehta.

13. University Prizes and Awards :

- 1) Shri Vivek Soni obtained Dr. Keki Mistry Gold Medal for securing highest number of marks in Orthodontics at final B. D. S. Examination held in April 1985.
- 2) Shri Soni Vivek obtained Smt. Indumati Zaveri Scholarship for securing highest number of marks at final B. D. S. Examination held in April 1985.
- 3) Shri Soni Vivek obtained the Rustomji Bedjonji Vachha Memorial Scholarship for 1985 for securing highest number of marks in Final B. D. S. Examination held in April 1985.

ANTI-TB SERVICES AND GROUP OF T. B. HOSPITALS OF MUNICIPAL CORPORATION FOR GREATER BOMBAY 1985-1986

High-Lights of the Year 1985-86.

I The services aim at the following :

1. To ensure proper control and the effective working of the Anti-TB activities conducted by the various agencies in Greater Bombay to bring Tuberculosis reasonably under control.
2. To give the concentrated attention to the management and the implementation of the measures on the guide-lines of the policies adopted on the national polides for TB Control, *i.e.*, by the State and the Central Government Health authorities.
3. To co-ordinate and manage the whole TB programme by associating all the agencies including the voluntary and private charitable organisations.
4. To remove short-falls which are in existing in the TB Control Programme.
5. Reaserch work in the field and in hospital area.

Achievements

The domiciliary treatment has been upgraded by establishing one City Tuberculosis Centre and 27 Area Tuberculosis Centre in the different areas of the city and suburbs for implementation of the City Tuberculosis Control Programme in collaboration with the State Government and other voluntary agencies.

Besides these Area Tuberculosis Centres, all 58 Upgraded Dispensaries and 100 General Dispensaries have been adopted as the Treatment Centres, where free anti-TB drugs including injections Streptomycin and other drugs are given to the patients being near to their residences.

II Expenditure :

	Rs.
1. Total Expenditure	2,84,75,194.00
2. Amount spent on In-patients.	2,50,37,630.00
3. Amount spent on Out-patients.	34,37,564.00
4. Average cost per day on :	
(i) In-patient.	77-03
(ii) Out-patient	8-04

III Significant Activities :

1. Schedule Bed Strength	1230	G. T. B. Hospitals
	+ 250	Sarvodaya Hosp. Ghatkopar.
	1480	
2. Admissions	11,023	
3. Daily Average of In-patients.	887	
4. Out-patients at Clinics.	22,255	
5. Average stay of patient in the Hospital.	1½	months.
6. Operations carried out :		
(i) Major	32	
(ii) Minor	324	
7. Health Visita paid	6,734	
8. Patients Advised Hospitalisation by board	494	
9. Patients covered under City Tuberculosis Programme.	33,839	
10. Patients under Treatment at Municipal Centres.		73,613

The Group of T. B. Hospitals is administered by the Medical Superintendent with the help of Deputy Medical Superintendent and Assistant Medical Officers and other administrative executive staff.

Treatment to TB patients is provided at the following Centres :

1. G. T. B. Hospitals, Sewri, Bombay—15.
2. R. D. T. B. Clinic, Dadar, Bombay—14.
3. Municipal TB Clinic, Shamaldas Gandhi Marg, Bombay—2.
4. Municipal TB Clinic, Balaram Street, Bombay—8.
5. Municipal TB Clinic, Nawab Tank, Bombay—10.
6. Municipal TB Clinic, Khar, Bombay—52.
7. Municipal Sub-TB Clinic, K. B. H. K. Bhabha Hospital, Kurla, Bombay—70.
8. All Municipal General Dispensaries and T. B. Sections in General Hospital, (City & Suburbs, Extended Suburbs).

In addition to above, the Corporation have hired 250 beds for TB patients at the Sarvodaya Hospital at Ghatkopar where in-patients are treated. Thus, the total bed strength of both the municipal and hired beds come to 1480 as under :—

G. T. B. Hospitals—	Male	Female	Children	Total
Medical Ward	752	269	35	1056
Surgical Ward	131	43	—	174
	883	312	35	1230
Sarvodaya Hospital, Ghatkopar (Hired beds).	200	50	—	250
Total :	1083	362	35	1480

After discharge, 5,250 patients attended the hospital for follow-up.

G. T. B. Hospitals :

Patients			Discharged			Remained at the end of the year
From Previous Yr.	New Admission	Total	Cured	Other-wise	Died	
799	11,023	11,822	6,538	2,983	1,368	933

Statistical data revealed the high incidence in the age-group of 35-40 years. Ratio of death to total patients treated was 12%.

Municipal TB Clinics :

Cases directed by Clinics examined at Group of TB Hospitals, Sewri and patients needing admissions are admitted to these hospitals as well as at Sarvodaya Hospital, Ghatkopar (on reserved beds).

Name of the Clinics	No. of patients attended	T. B. Cases	Non-T. B. Cases
1. R.D. T. B. Clinic, Dadar	8,266	3,867	4,399
2. Shamaldas Gandhi Marg	8,357	2,831	5,526
3. Balaram Street T. B. Clinic	7,046	4,630	2,416
4. M. M. Munshi T. B. Clinic, Khar	13,050	7,748	5,302
5. Nawab Tank T. B. Clinic	4,592	1,338	3,254
6. Sub-TB Clinic at Bhabha Hospital, Kurla.	2,285	1,841	444
Total :	43,596	22,255	21,341

Sarvodaya Hospital, Ghatkopar :

The following beds were reserved in Sarvodaya Hospital, Ghatkopar by the Corporation :

For TB patients	250
For Orthopaedic patients.	360

From pre-vious Year	Patients		Discharged			Remained at the end of the yr.
	New Admi-ssion	Total	Cured	Other-wise	Died	
233	159	392	237	—	95	60

Poor Box :

Collection out of the Poor Box Charity Fund of the Hospital is utilised for the benefit of the poor and needy patients and the incidental expenses. Amount of Rs. 38,712.93 was collected for the Poor Box Charity Fund of the Hospital and Clinics during the year.

Teaching :

The Group of T. B. Hospitals and T. B. Clinics continued to be recognised for Diploma Course in Tuberculosis & Chest Diseases by the College of Physicians and Surgeons, Bombay and for Degree Course in M. D. (Tuberculosis & Chest Diseases) by the University of Bombay, so also for D. P. H. (Bombay University) and Homoeopathy students. Clinical instructions are imparted to undergraduate students of G. S. M. College, Parel and L. T. M. M. College, Sion.

City Tuberculosis Programme :

The Municipal Corporation of Greater Bombay have established the City Tuberculosis Programme (CTP) in Greater Bombay on behalf of the State Government. The Central Government given free supply of Anti-TB drugs and MMR X-ray film rolls to this programme run by the Corporation. The Programme is jointly supervised by the Medical Superintendent, Group of TB Hospitals and the Executive Health Officer.

For active implementation of this programme the whole City of Bombay has been divided into 3 Zones (i) City, (ii) Western Suburbs and (iii) Eastern Suburbs. Thirty Centres (including 5 TB Clinics under M. S. G. T. B. and 5 of outside agencies) alongwith several others run by the Teaching Medical Institutions and Peripheral Hospitals which are working primarily as the diagnostic and the treatment centres in addition to 51 centres (Municipal General Dispensaries and Urban Health Centres of 3 Medical Colleges) have been entrusted with the drug distribution consisting of most modern and effective drugs like Rifampicin which are known to cure the disease within the course of 6-9 months' total treatment period. The work of all these centres is co-ordinated by M. S. G. T. B. with the assistance of Medical Officers of TB Clinic and Assistant Health Officer (TB) and the staff consisting of 4 TB Inspectors, 88 Treatment Organisers, 15 Health Visitors, and 1 B. C. G. Team Leader. This staff is engaged on the case finding, case holding and for the defaulter action.

Following are the Up-graded Dispensaries, Peripheral Centres (Treatment Centres) and BCG Vaccination Centres covered by each Area Tuberculosis Centres.

Ward	Area Sq. Km.	Population	Name of the A. T. C.	No. of Upgraded Disps. Pheripheral Centres (T. Cs.) and BCG Vaccination Centres covered by each A. T. C.		
				Upgraded Disp. having facilities of screening and Lab.	Peripheral Centres (T.B.) Centres	BCG Vaccination Centres
A	10.48	1,89,367	G. T. Hospitals	1	4	5
B	2.47	1,74,536	Mun. TB Clinic at Nawab Tank, Mazgaon. Bombay Port-Trust TB Clinic.	2	1	3
C	1.79	3,11,795	Mun. TB Clinic at Shamaldas Gandhi Marg. 'C' Ward Medical Association TB Clinic. Bhartiya Arogya Nidhi.	2	3	1
D	6.63	4,47,811	Mun. TB Clinic at Balaram Street. B. Y. L. Nair Hospital Bombay Central.	4	2	4
E	7.40	4,62,065	J. J. Hospital	6	5	10
F/S	10.5879	7,93,981	R. D. T. B. Clinic.	10	6	10
F/N	10.559		O. H. T. C. TB Clinic, Sewri			

Ward	Area Sq. Km.	Population	Name of the A. T. C.	No. of Upgraded Disps. Pheripheral Centres (T. Cs.) and BCG Vaccination Centres covered by each A. T. C.		
				Upgraded Disp. having facilities of screening and Lab.	Peripheral Centres (T.B.) Centres	BCG Vaccina- tion Centres
G	18.84	9,81,028	Bai Gulbai Disp. Dadar, Bombay—28. E. S. I. S. Centre, Worli. F. S. M. Centre, Dharavi.	10	14	8
H	25.8	7,24,844	M. M. Munshi TB Clinic, Khar. Maharashtra Lokhit Mandal. Mun. General Hospital, Santacruz.	5	6	2
K	43.0	5,74,275	R. N. Cooper Hosp. Juhu, Vile-Parle. L & T Clinic Andheri.	6	8	7
L	13.0	4,33,571	Bhabha Hospital Kuria Sub-TB Clinic.	3	5	1
M	62.19	5,67,625	MAA Hospital Chembur. Centenary General Hospital, Govandi. P. S. M. Centre, Shivaji Nagar, Govandi.	3	9	4
N	39.0	5,95,019	Rajawadi Hospital Barve Nagar General Hospital, Ghatkopar.	2	5	3
P	74.83	6,68,925	Malad General Hospital Haji Babu Road, Malad (E). Maharashtra Lokhit Mandal TB Centre. Malvani P. S. M. Centre.	4	8	3
R	82.73	5,61,338	Bhagwati Hospital, Boriwali (W). Ashwini Kumar TB Centre, Boriwali (W). Centenary Hospital, Kandivali (W).	2	6	4
T	41.44	2,28,114	M. T. Agarwal, Mun. General Hospital, Mulund (W). Mulund General Hospital, Kulund (E).	2	5	5

Every Area Tuberculosis Centre is staffed by a Medical Officer, Health Visiter and 2 to 3 TB Investigators (Treatment Organisers) and some members of the lower staff. Out of 27 Area Tuberculosis Centres, 15 have M. M. R. X-ray Machine/other X-ray Machines equipment and Pathology Department and the remaining are having X-ray and/or Screening Machines and the Laboratories. All the Peripheral Centre which are the Municipal General Dispensaries, serve as the Treatment Centres only. The Medical Record Department of the hospital and TB Clinic and Central Statistical Section for field services is located at the Group of TB Hospital, Sewri and A. H. O. (TB)'s Office, F/South ward Office respectively for collection and compilation of the statistical data.

As provided under the National Tuberculosis Programme, the Central Control Agency is also formed under the Chairmanship of the Municipal Commissioner.

BCG Vaccination Programme :

(1) BCG Vaccination to children upto 2 years of age is carried out in all the 22 Municipal Maternity Homes and in the Padiatric Wards attached to 12 Municipal General Hospitals. BCG Vaccination is given regularly at 3 Urban Health Centres run by three Medical Collèges. In all there are 62 BCG Vaccination Centres in Greater Bombay.

(2) Maharashtra Government BCG Team No. 1 and Organised Home Treatment Clinic, Sewri, carry out BCG work in Private Schools. In addition, Organised Home Treatment Clinic is also conducting BCG in slums during their Shibir.

(3) BCG Central Training Centre of the Municipal Corporation has been established at the Rajawadi Hospital, Ghatkopar for imparting training in BCG Technique to the staff involved in City Tuberculosis Programme. In all 2,06,249 BCG Vaccination were given during the year.

Performance Budget :

The performance budget has been introduced from 1976-77. The details in respect of the target laid down and the target achieved are enclosed. The reasons for short falls and steps for maximising the output performance are also briefly stated in the table No. 1.

TABLE No. 1
GROUP OF T. B. HOSPITALS, SEWRI.
PERFORMANCE TARGETS AND ACHIEVEMENTS—HOSPITALS

	Target laid down	Target Achieved	Remarks
1. Indoor Cases	12,000	11,023	Due to introduction of system of rationalisation, only TB patients selected by the board are admitted. All patients attending this hospital are not admitted as was done in past.
2. Operations (Nos.)	100	356	
3. Follow-up Examination	6,500	5,250	
4. Patients kept on Waiting List.	1,200	494	
5. X-rays :			
(a) Mass Miniature Radiography (Nos.)	22,000	6,893	Due to shortage of X-ray films.
(b) Big Plates (Nos)	5,000	11,773	
(e) Screening Exam.	200	160	Screening is done as and when required.
6. Pathology :			
(a) Blood	12,000	11,080	Pathology test is done as and when required.
(b) Sputum	42,000	40,999	
(c) Urine	12,000	10,968	
(d) Stools	300	210	
(e) Histopathology	500	318	
(f) Sensitivity Test	1,200	1,706	
(g) Pleural Fluids & Biochemistry	6,500	8,780	
(h) Blood Bank	1,500	1,447	
(i) Serology	200	61	

TABLE NO. 2**Anti T. B. Activities carried out in the year 1985.**

1. No. of New T. B. patients interviewed by Treatment Organisers.	24,947
2. No. of repeaters interviewed by Treatment Organisers.	1,08,952
3. No. of home visits paid by Treatment Organisers & T. B. Inspectors at the residence of the patient	43,559
4. No. of close contacts contacted	28,082
5. No. of close contacts referred to TB Clinics for detection and treatment	9,699
6. No. of close contacts who attended TB Clinics	4,894
7. No. of positive cases detected from the referred contacts	944
8. Defaulters (i) Total No. of defaulters	31,493
(ii) No. of defaulters brought on regular treatment	13,848
(iii) No. of defaulters yet to brought on regular	17,645
9. No. of persons who have undergone B.C.G. Vaccinations	2,075
10. No. of School children who have under TB treatment	2,838
11. No. of B. C. G. Vaccinations in Municipal School	—
12. No. of T. B. patients noted from I. D. R.	232
13. No. of contacts referred to clinics from I. D. R.	428
14. No. of Laboratory Examination done at Municipal General Upgraded Dispensaries	
(a) Blood (E. S. R.)	10,135
(b) Urine	14,375
(c) Sputum	5,485
(d) Screening	16,116
(i) Positive	1,296
(ii) Negative	14,820

(Dr. A. P. Rao)
Medical Superintendent,
Group of T. B. Hospitals.

**GROUP OF T. B. HOSPITALS, SEWRI
PROGRAMME WORKLOAD SUMMARY OF TB CLINICS**

1985	R.D.T.B. Clinic Dadar		Shamaldas Gandh Marg TB Clinic		Balaram Street TB Clinic		M.M. Munshi TB Clinic, Khar		Newab Tank TB Clinic		Sub-TB Clinic Bhabha Hospital, Kurla		Remarks
	Target laid down	Target achieved	Target laid down	Target achieved	Target laid down	Target achieved	Target laid down	Target achieved	Target laid down	Target achieved	Target laid down	Target achieved	
I — OUTDOOR CASES													
(a) T. B. Cases	5,500	3,867	3,500	2,831	5,000	4,630	8,300	7,748	1,500	1,338	2,000	1,941	(1) Due to shortage of Big Plate
(b) Non-TB Cases	5,800	4,399	4,000	5,526	3,000	2,418	5,600	5,302	2,000	3,254	500	444	(2) X-ray films.
TOTAL :	11,100	8,266	7,500	8,357	8,000	7,048	13,900	13,050	3,500	4,592	2,500	2,285	(3) Pathology Exami- nation are done as and when required.
II — X—RAYS													
(a) Mass Miniature Radiography	20,000	14,658	5,500	8,990	8,500	7,890	15,000	13,396	5,500	8,219	Shown under R.D. TB Clinic, Dadar.		(3) Under City Tuber- culosis Programme pattern of Health Visiting is changed.
(b) Big Plates	200	192	—	—	350	171	200	61	—	—			Health Visitors & Treatment Organisa- ers visit ATCs., Gen. Disp. and House of the pati- ens in the area given to them. Hence, Health Visi- ting are less.
III — PATHOLOGY													
(a) Blood Exam.	300	110	600	759	100	94	100	—	100	—	—	—	
(b) Sputum	10,000	8,688	5,000	4,156	7,300	7,123	12,000	11,849	4,500	4,537	3,000	3,202	
(c) Urine	—	—	—	—	300	545	—	—	—	—	—	—	
IV — HEALTH VISITING	1,200	1,111	1,300	1,443	1,300	1,047	1,000	1,311	1,300	1,067	1,250	755	

(Dr. A. P. Rao)
Medical Superintendent,
Group of T. B. Hospitals,

SETH A.J. B. MUNICIPAL E. N. T. HOSPITAL

HIGH LIGHTS

I EXPENDITURE	Rs.	P.
A) 1. Total expenditure including liabilities	36,50,816.01	
2. On In-Patient	24,33,877.34	
3. On Out Patient	12,16,938.67	
4. Amount Collected from Poor Box Fund	61,767.00	
 B) Average Cost :		
1. Per In-patient per day		179.09
2. Per Out Patient attendance		13.55
 II RESULTS :		
A) 1. Scheduled Bed Strength		100
2. Daily average In-patient in Wards		37
3. Admission including those brought over previous year (4407 + 10)		4417
4. Patients Discharged		—
(i) as cured		4372
(ii) as Unchanged		—
(iii) as left against Medical advice		3
(iv) Expired		5
(v) Remained in the Hospital on last day of the year.		37
5. Highest number of admission on a single day (3-12-85)		30
6. Average stay of the inpatient (in days)		1.60
 B) 1. Patients (New)		54,423
2. Daily average of out patients (New)		178
3. Out Patients (New & Old)		89,808
4. Daily average of Out Patients attendance		294
5. Highest number of attendance on a single day on 23rd Nov. 1985.		522

Seth A. J. B. Municipal E. N. T. Hospital.

The Municipal Ear, Nose & Throat Hospital which was started in December 1962 at Improvement Trust Building has been renamed as Seth Atmasingh Jassasingh Bankebihari Municipal E. N. T. Hospital.

The Scheduled bed strength of the Hospital is 100. Total 4100 No. of operations were performed on in-patients.

The following investigations were performed in Pathology dept.

(a) Clinical Pathology	}	28,990
(b) Bio—Chemistry		
(c) Histo—pathology		

The 5332 Nos of patients came for X-Rays, 7458 X-Ray were taken and 6327 films were used for X-Rays in Radiology Dept.

An audiology Room for full comprehensive hearing tests of handicapped individuals with services of speech therapist are also available in this hospital.

5816 Nos. of audiograms, 334 Nos. of repeat audiograms, 455 Nos of post-operative audiograms, 684 Nos of special test and 1088 Nos of speech cases were recorded, in Audiology and Speech Therapy department.

An amount of Rs. 61,767.00 P. was collected through the poor Boxes during the year. Tracheostomy tubes blood transfusion for deserving patients at part-full cost were provided through Poor Box Fund.

Yoga research studies have been undertaken in the areas of stammering and allergic rhinitis and E. N. T. problems. The preliminary results of Yogic treatment are encouraging. Besides diabetic patients have also been attending for Yogic treatment.

Since 11th Oct. 1983 a Medico Social Worker has been appointed at this hospital. The work carried out by the Dept. in the year from 1-1-1985 to 31-12-1985 is given below.

Months	Adult deaf	Child deaf	T. B.	Cancer	Misc.
Jan.	37	21	13	7	41
Feb.	28	9	15	8	38
March	26	8	12	5	50
April	18	8	10	3	22
May	25	16	9	9	27
June	10	7	7	6	33
July	28	9	18	4	19
Aug.	18	10	4	1	29
Sept.	19	17	2	9	30
Oct.	25	12	7	8	13
Nov.	10	4	—	7	11
Dec.	32	6	1	9	29
Total	266	127	98	76	342

The deaf childrens are rehabilitated at special schools and vocational centres and the adult deaf patients are helped in obtaining the free hearing aids from NASEOH office, other Charitable Trusts and at a concessional price from various companies.

M. S. W. Dept. helps the T. B. patients in getting medicines and injections on injection cards and in providing the blood transfusions from Blood Banks to the patients.

1) Total Home visits paid	63
2) Visits to institutions for deaf	20
3) Visits to Cancer Institution.	6
	89

The Medical staff consisted of :	Nos of posts.
(a) Honorary ENT Surgeons	7
(b) Honorary Assistant ENT Surgeons	1
(c) Honorary Associate ENT Surgeons	2
(d) E. N. T. Registrars	5
(e) E. N. T. House Surgeons	5
(f) Junior A. M. O.	2
(g) Anaesthetist (P. T.)	1
(h) Pathologist (P. T.)	1
(i) Hon. Asstt. Radiologist.	1

Nursing staff consisted as following.	
(i) Senior Sister.	1
(ii) Sisters	6
(iii) Staff Nurses.	29

Rs. 25,00341.68 P. have been spent on establishment of Hospital during the year.

DR. (SMT) S. C. BASRUR
ASSISTANT MEDICAL OFFICER

**SETH V. C. GANDHI AND M. A. VORA MUNICIPAL GENERAL
HOSPITAL,
RAJAWADI HOSPITAL, GHATKOPAR**

Highlights :	I EXPENDITURE	
(A)	1. On in patients	1,52,80,348
	2. On out patients	89,74,753
	Total	2,42,55,101
(B)	AVERAGE COST PER	
	1. In patient per day	Rs. 60.85
	2. Out patient per day	Rs. 3.44
	II RESULTS IN PATIENTS	
	1. Scheduled Bed Strength	560
	2. Daily average in patients in wards.	550
	3. Admissions including those brought over from previous year.	30714
	4. Number of patients discharged as	
	i) Relieved	9850
	ii) As cured	8874
	iii) Otherwise	10000
	iv) Expired	1527
	v) Remained in the hospital on the last day of the year.	523
	vi) Daily Average number of Admissions.	80
	vii) Average stay of in patients (in day)	6 days
	viii) Highest number of in patients in a single day.	546
(B)	OUT PATIENTS	
	i) New out patient attendance	70623
	ii) Daily average number of out patient.	464
	iii) Highest new O. P. D. attendance on a single day.	525
	iv) Total no of casualty attendance	71386
(C)	i) Total Operations on in patients	2444
	ii) Total Operations on out patients	11553
(D)	Total no. of Confinements	5832
	Non-Natal and Natural deaths	
	i) Maternal Death	7
	ii) Neo-Natal deaths	99
	iii) Still Births	395
	Specialised treatment	
	i) Sterilization (Male)	22
	ii) Sterilization (Female)	1069

SETH V. C. GANDHI & M. A. VORA, MUNICIPAL GENERAL HOSPITAL, RAJAWADI continued to render medical relief in the form of both prophylactic and curative treatment to the sick population in the north east Suburbs of Bombay.

Dr. (Mrs.) K. Shah held the post of Medical Superintendent and of Director P. H. & C. A. S.

Dr. V. M. Jaisinghani held the post of A. M. O. (Admn)

The following departments exist in this hospital.

(1) Medical (2) Intensive Care Unit with separate section for acute cardiac cases (3) Surgical including minor surgery & Paediatrics surgery (4) Paediatrics (5) Gynaecology and Obstetrics including Antenatal and Postnatal Clinics (6) Family Welfare (7) E. N. T. (8) Audiology and Speech therapy (9) Orthopaedics (10) Skin & V. D. (11) Ophthalmology (12) Psychiatry (13) Dental (14) Occupational Therapy & Physio Therapy (15) Pathology (16) Blood Bank (17) Evening dispensary for municipal employees (18) Casualty (19) Anti Rabic Immunization (Daily except Sunday and Bank Holidays (20) Radiology (21) International Health Certificate (22) Medico Social Service Department (23) School Clinic (24) Tuberculosis Clinic (25) Immunisation Clinic (9 to 11 A. M.) (26) E. C. G. Department (27) Diabetic Clinic (Friday 9 to 11).

1) DEPARTMENT OF MEDICINE

The Department of Medicine consists of 3 units, each manned by Honorary & Hon. Asst. Professors. Each unit conducts O. P. D. & emergency Services twice a week by rotation (See Appendix III & IV).

The Gastroenterology Department is looked after by Physician and a surgeon jointly and under their Supervision and guidance.

Diabetic O. P. D. is conducted every Friday when blood sugar estimation is done on the spot on Ames' Cytone (dextrometer) Patients are called by appointment for Post Prandial Blood Sugar and some random blood sugar samples are also examined. About ten patients blood is examined for blood sugar every O. P. D.

MEDICAL INTENSIVES CARE UNIT & CARDIAC CARE UNIT

These units were started at this hospital from May 1979. Serious cases were 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	990
Total Deaths	325
Mortality rate	33%

3) DEPARTMENT OF SURGERY

The Department of Surgery consists of 3 units, each manned by Honorary & Hon. Asst. Professors. Each Unit conducts O. P. D. & emergency services twice a week by rotation. (See Appendix III & IV).

Paediatric Surgery Clinic is conducted by Dr. V. S. Waigankar, Hon. Asstt. Surgeon on his O. P. D. days *i.e.* on Wednesday and Friday (See Appendix III).

4) DEPARTMENT OF PAEDIATRICS

The Department consists of one part time unit under Hon. Professor of Paediatrics/Hon. Paediatrician. The department functions daily except on Sunday and O. P. D. holiday. (See Appendix III & IV).

5) DEPARTMENT OF GYNAEC AND OBSTETRIC

(Including Anti-natal and Postnatal clinic)

This Department consists of 3 part time units under Hon. Professors of Obstetrics and Gynaecology. Each unit conducts O. P. D. & emergency services twice a week in rotation.

A wide variety of Obstetric cases were seen and treated competently. These included cases transferred from maternity homes at Barve Nager, Vikroli, Bhandup and Deonar. The cases transferred required specialised obstetric care and were either referred for both diagnosis and treatment.

O. P. D. service Antenatal & Postnatal Services were made available to a large section of the public & the attendance at Gynaec O. P. D. is in large No. (See Appendix III & IV).

Each Antenatal Patient's blood analysis is done, regular weight, urine examination besides general and abdominal examinations are done.

These Clinics provide extremely beneficial in the detection and treatment of obstetrical malaise in the form of anemia, cardiac disease diabetic, hypertension etc.

The interns posted attended O. P. Ds, performed minor O. P. D. procedures under supervision, learnt basic antenatal care, attended operation theatre, performed tubal sterilizations under supervision and attended emergency duties also.

The residents have been trained to deal efficiently with almost any emergency and have learnt to independently perform, several major operations competently.

6) DEPARTMENT OF EAR, NOSE AND THROAT.

This Department consists of one part time units under Hon. E. NT. Surgeon and Hon. Prof. of E. N. T. and function twice a week. (See Appendix III & IV).

7) DEPARTMENT OF ORTHOPAEDICS

This department consists of only one unit under Hon. Professor of Orthopaedic Surgery and Hon. Orthopaedic Surgeons. This Department functions thrice a week. (See Appendix III & IV).

8) DEPARTMENT OF SKIN & V. D.

This department functions on all days except Sundays. This department consists of only part time unit which is looked by Hon. Professor of Dermatology (See Appendix III & IV).

9) DEPARTMENT OF OPHTHALMOLOGY

This department consists of one part time unit under Hon. Professor of Ophthalmology/Hon. Ophthalmologist and function twice a week. (See Appendix III & IV).

10) DEPARTMENT OF FAMILY WELFARE

Family Welfare was made a separate clinical entity in November 1982. fully under control of Medical Officer in charge of Family Welfare centre for both administrative & Clinical purposes. This gave a closer contact of patients with Family Welfare Staff.

1) **Co-Ordination with Gyn. Dept. of this hospital :** F. T. M. O. is asked to work as Asstt. Head of Gyn. Unit I, as working arrangement, due to preoccupation of M. S. in administrative duties. This will definitely booster up F. P. programme as now F. T. M. O. can come in close contact with patients visiting Gynaec Ward & O. P. D. (See Appendix VIII).

11) DEPARTMENT OF DENTISTRY

This department consists of one part time unit under Hon. Dental Surgeon and functions on all days except Sundays.

1. No. of patients	811
2. No. of tractions	Nil
3. No. of fillings	355
4. No. of Scalings	291
5. No. of Surgeries	Nil
6. No. of Extractions	394

12) DEPARTMENT OF OCCUPATIONAL THERAPY & PHYSIO THERAPY

This department consists of one full time unit. Functions on all days of the week except Sundays.

Yearly workload is as under :

Indoor attendance	36091
O. P. D.	51660
Sarvodaya Hospital	5404

Total :	93155
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13) DEPARTMENT OF INTERNATIONAL HEALTH CERTIFICATE

This department function all days of the week except Sunday and Saturday and Holidays. People desiring Health certificate for going abroad attend this centre between 11 A. M. to 12.30 P. M.

Anti Cholera	519
TAB	46

(14) DEPARTMENT OF MUNICIPAL EMPLOYEES O. P. D.

This O. P. D. functions daily except Sunday between 6.30 P. M. to 8 P. M. for Municipal Employees. Municipal Employees are examined by the A. M. O. on duty. (See Appendix III).

15) DEPARTMENT OF TUBERCULOS

Functions on all working days except Sundays. This is managed by Hon. T. B. specialist and an A.M.O.

T. B. Clinic renders treatment to the old and new patient who are suffering from pulmonary tuberculosis. The patients are referred from surrounding dispensaries and by other doctors practicing in the vicinity of this hospital.

Patients transferred to T. B. Hospital—127.

TOTAL NUMBER OF PATIENTS WHO ATTENDED T. B. CLINIC i.e., (Non-T.B. & T.B.)	New Registered T.B. Cases	Transf. To Other Hospital After detection	Number of patient whose C.O.P.T. was done	Number of Pt. Who Dent. as non Tuberculous.	Number of old Patient who was taking treatment from here
15924	568	293	223	88	14752

LIBRARY

The total number of books added to the library during the year 1985 was 38 as against 52, During the previous year two books are not supplied by the book sellers, because books are out of stock. 13 books are likely to be coming.

Dr. V. G. Mehandale has donated most valuable medical books to our library. We are very much thankful for his co-operation.

Dr. Adatiya has donated one steel cupboard with some most valuable medical journals to our medical library. We are very much thankful for his cooperation.

The library had subscribed to 32 medical journals as against 24 in the previous year.

The library had at the end of the year 1090 books as against 1052 during the previous year.

ECLECTRO—CARDIOGRAM SECTION

E. C.G. Indoor Patients	3721
E. C. G. O. P. D. Patients	2929
Total :	<u>6650</u>

DEPARTMENT OF RADIOLOGY

Total no of patients X-Rayed,	
Indoor	11796
Outdoor	25000
Total :	<u>36796</u>

DEPARTMENT OF BLOOD BANK

1. No. of Voluntary Blood Drives donation camps.	22
2. Total No. of Voluntary Doners.	1376
3. Replacement Doners.	1102
4. Total Bottles Collected	2702
5. No. of Bottles transfered	2018
6. Sent to Hafkine	215
7. Sent to other hospital.	316
8. Balance on 31 st Dec. 1985.	35

Following investigations are done in the Blood Bank.

1. Blood Grouping.	11177
2. Blood X-matching.	3568
3. Australia Antigon test.	1507
4. Coomb's Test.	93
5. Antibody Titre.	68

One Technician was trained at Blood Group Ref. Centre at Parel for Blood Bank work.

DEPARTMENT OF AUDIOLOGY & SPEECH THERAPY

Total No. of Audigrams.	739
Total No of speech cases.	98

TYPE OF SPEECH CASES

1. Aphasia.	4
2. Dyslalia.	12
3. Mental retardation.	7
4. Voice Disorders.	20
5. Delayed Speech & language.	3
6. Hard of Hearing.	24
7. Cerebral palsy.	1
8. Stammering.	20
9. Dysarthria.	1
10. Nasaling (Cleft plate).	2
11. Larygonactom.	2

(Requirement of this department :— Sound proof room Full-time post).

PSYCHIATRY O. P. D.

The Psychiatry O. P. D. was started in Oct. 1978. The old and new patients are examined and treated at the O. P. D. No. 13 (A) between 10.00 A. M. and 12.00 P. from Monday to Saturday.

The Number of New patients started are as follows :

M/ch	23
F/ch	13
Male	464
Female	441
Total :	<u>941</u>

The total showing diagnosis wise distribution of patients during 1984 and 1985.

DIAGNOSIS	No. of Pt. 1984	No. of Patients 1985
1. Psychosis		
a) Schizophrenia	185	192
b) M. D. P. (i) Mania	—	—
(ii) Depression	127	71
c) Organic Psychotic	24	19
2. Neurosis		
a) Anxiety Neurosis	70	64
b) Hysterical Conversion Reaction.	13	7
c) Neurotic Depression	451	366
3. Personality disorder & addiction	12	55
4. Psychosomatic disorders	—	—
5. Epilepsy	36	36
6. Mental subnormality	34	28
7. Miscellaneous	42	29
8. Nil active Psychiatric	8	5
9. Psychiatric diagnosis could not arrived at (undiagnosed)	81	69
Total	1083	941

Other treatments :

a) E. C. T. : Patients for E. C. T. are called from Monday to Friday

	No of cases	No. of E. C. T.
1984	Records not available	
1985	124	589

b) Social case work : The social workers attends Psychiatry O. P. D. from Monday to Saturday from 10.00 A. M. to 12.00 The duties performed by them are as follows.

i) Collecting Psychiatric history of all the new cases.

Total number of cases this year is 941.

ii) Psychiatric case work and counselling:

The patients who are in need of Psychiatric case work are referred to Medico Social worker. This year 30 patients are referred for case work and counselling. Each case is interviewed 5 to 10 times. Each interview lasts for about half an hour to one hour.

Total number of sessions this year is about 296.

c) The cases in need of Psychological testing like I. Q. Rorachach, Ink. block test, M. M. P. I. were referred to other departments as clinical psychologist is not a staff member.

This year an exhibition cum lecture was arranged in the month of November 1985. on "Drug Addiction". (Brown sugar). N. S. S. students of Somaiya college under their hospital project helped in preparing posters and exhibition. Doctors, Staff other para medical staff, N. S. S. students and patients get benefited by the exhibition.

DEPARTMENT OF MEDICAL SOCIAL SERVICE

Medical Social Service Department is managed by 2 Medico Social workers which handle independently. The work load is as given below.

Total number of cases referred during the year 1985 under different categories are as follows :

Categories	No of cases	Total No 66 times these cases visited S.S. Dept. for help.
1. Medical Aid	120	225
2. numarried mothers for M. T. P. and giving children in adoption.	11	50
3. Psychiatric cases for case work & counselling.	30	256
TOTAL NO. OF CASES	161	

- II No of social service institutions and agencies contacted for donation and other material help.
- III No of employees contacted -4
- IV Handled the N. S. S. (hospital) project of
- i) Somaiya college of science.
 - ii) Somaiya College Arts & Commerce
 - iii) Smt. P. N. Doshi Women's college.
 - iv) Ramniranjan Jhunjunwalla college.

Recreational projects like decorations on Diwali & X-mas celebration of "Raksha Bandhan" & Republic Day etc. are arranged with the help of N. S. S. students.

V Schedule and costly medicines are sanctioned to the O. P. D. patients daily from social service deptt., between 9 A. M. to 12.30 P. M. Daily approximately 50 to 75 patients are referred to S. S. Dept. for these medicines.

VI The social worker attends psychiatry O. P. D. from Monday to Friday from 10 A. M. to 2 P. M. The duties performed by her are as follows.

- i) Taking down the complaints and family history of newly registered patients.

This year total number of new cases were 941.

- ii) Social case work and counselling.

This year 30 patients were referred for case work and counselling.

DIET DEPARTMENT

One full time dietician & Diet clerk manage this Department.

241 patients were given therapeutic diet advice. Regular follow up of diabetic patients were done.

MEDICAL RECORD DEPARTMENT

Recovery of fees from Outdoor and Indoor patients from Jan. 1985 to Dec. 1985.

O. P. D. Patients	Rs. 3,15,906
Indoor patients	Rs. 1,33,895
Receipts/Overstay	Rs. 1,62,737
IV Delivery	Rs. 2,900
Total	6,15,438

MEDICAL LEGAL SECTION

Issue of Police certificate	2342
Doctor deputed to Session Court	53
Doctor deputed to Metropolitan Court	286
Record made available to Motor tribunal court.	58

SARVODAYA HOSPITAL

Rajawadi Hospital has 70 beds at Sarvodaya Hospital Ghatkopar, for treating convalescent Orthopaedic patients.

One Jr. A. M. O. (Orthopaedic) has been appointed for looking after these patients at Sarvodaya.

Indoor Attendance at Sarvodaya Hospital. — 55

REVENUE COLLECTED AT RAJAWADI

1. Certificate + Poor Box Charity.	Rs. 22,722.00
2. X-Ray Revenue.	Rs. 5,32,665.00
3. Revenue Other.	NIL
Total	Rs. 5,55,387.00

Highlights (Comparison between 1984-85).

No of inpatients has increased from 28921 to 30719. Daily average inpatients has increased from 437 to 465. Total Indoor attendance has increased from 159794 to 169642. The O. P. D. attendance (new) including Casualty has decreased from 147454 to 147509 The daily O. P. D. Average of new patients as decreased for 490 to 464. The no of operations has decreased from 15452 to 13997. The total expenditure has increased from 2,25,99,317 to 2,42,25,100.

DEFICIENCIES AND SHORTCOMINGS OUT PATIENT DEPARTMENT.

Existing O. P. Ds. are not well ventilated and become very hot and stuffy in summer due to asbestos roof and leak heavily in monsoons.

There is a proposal to shift the 'N' ward stores which is at present in the compound of Rajawadi Hospital to other premises so that area which is ear-marked for O. P. D. building can be used for the same. The expansion plan of Rajawadi Hospital Especially its O. P. D. is closely linked to the shifting of the 'N' Ward stores.

MEDICAL RECORDS DEPARTMENT

The Medical records department is hampered for want of adequate place for its smooth function. A proposal to house it in a shed to be constructed on the terrace of the old hospital building as temporary measure has been turned down by the architect as the building is old. More space for Medical Record Department is required as all Medicolegal Indoor papers have to be kept for 10 years for court purposes. Records to be kept as per Record classification List.

R. M. Os. Quarters.

The R. M. Os. quarters are at present housed in the quarters which were occupied by the Labour Staff. The new Building of R. M. Os. quarters is planned with central Ambulance scheme,

The need for the new R. M. Os. quarters is very urgent. The house officers which are required to be appointed to fulfil the M. C. I. S. requirement for completion of staff pattern of one unit can not be met due to the lack of accommodation for the R. M. Os.

FUTURE DEVELOPMENT

Centralised Ambulance Service plan is being formulated and token provision of funds has been made.

The work of construction of Coroner's Court is going on. Purchase of the following equipments is being perused.

1. Gastroscope.
2. E. E. L. flame photometer for pathological Laboratory.
3. Air conditioning of Radiological department.
4. Operating microscope for ophthalmology Department.
5. Paediatric Cystoscope.
6. Cardioscope and defibrillator for main operation theatre.

APPENDIX No. I**Distribution of beds according to departments and Sex.**

DEPARTMENT	MALE	FEMALE	CHILDREN	TOTAL
MEDICAL	34	33	—	69
SURGICAL	57	21	—	78
BURNS	—	12	—	12
GYNAECOLOGY	—	51	—	51
OBSTETRICS	—	108	—	108
PEADIATRICS	—	—	76	76
OPHTHALMIC	20	13	—	33
SKIN & V. D.	10	10	—	20
E. N. T.	16	15	—	31
ORTHOPAEDICS	19	20	—	39
M. I. C. U.	7	4	—	11
PEAD. SURG.	—	—	6	6
SIDE ROOM				
Medical	8	2	—	
Surgical	2	—	—	
Obstetrics	—	2	—	26
Gynaec	—	9	—	
Orthopaedics	14	1	—	
TOTAL	175	303	82	560

APPENDIX No. II

No. of accident cases treated.

SEX	TREATED IN CASUALTY DEPARTMENT 1985	ADMITTED THROUGH CASUALTY DEPARTMENT.
MALE	15748	2779
FEMALE	4192	1799
CHILDREN (MALE)	1534	252
(FEMALE)	738	180
TOTAL	22212	5010

APPENDIX - III

Statement showing the Out-Patients (New O. P. D. Casualty) in Rajawadi Hospital during the year 1985.
Classification according to the department, Sex and age.

DEPARTMENT	O. P. D. NEWCASES					CASUALTY CASES				
	Male	Female	M/ch	F/ch	Total	Male	Female	M/ch	F/ch	Total
MEDICAL	6928	6120	—	—	13048	9412	5977	13	20	15422
SURGICAL	4498	2248	523	437	7706	13808	6789	4080	2893	27570
OPHTHALMIC	1974	1565	192	138	3869	872	539	162	53	1626
GYNAEC	—	5220	—	—	5220	—	3834	—	—	3834
DENTAL	1428	1231	180	172	3011	462	361	98	25	946
SKIN & V. D.	3419	1620	808	629	6476	678	430	170	71	1349
E. N. T.	1117	1003	344	292	2756	1079	677	373	237	2366
ORTHOPAEDIC	1903	1422	411	252	3988	3512	1663	1244	897	7316
PSYCHIATRIC	445	336	10	10	801	—	—	—	—	—
PAEDIATRICS	—	—	3682	3275	6957	—	—	4475	3272	7747
NEW BORN	—	—	218	244	462	—	—	—	—	—
MATERNITY	—	7050	—	—	7050	—	—	—	—	—
ANTI RABIC	—	—	—	—	—	899	392	459	214	1964
T. B.	241	102	4	2	349	—	—	—	—	—
B. C. G.	—	—	1458	1459	2917	—	—	—	—	—
B. M. E.	—	—	—	—	—	661	292	177	116	1246
POLIO TRIPLE	—	—	3162	2477	5639	—	—	—	—	—
PEADIATRIC SURG.	—	—	218	156	374	—	—	—	—	—
TOTAL	21953	27917	11210	9543	70623	31383	20954	11251	7798	71386

APPENDIX IV

Summary of inpatients classified according to Department and sex.

Department & Sex	In the hospital on the midnight 31-12-84	Admitted during the year	Total	Discharged		Death	Remaining in the hospital on the midnight 31-12-85
				Cured	Otherwise		
1	2	3	4	5	6	7	8
MEDICAL							
Male	44	3236	3280	360	2673	194	53
Female	30	2101	2131	400	1578	129	24
M/ch	—	—	—	—	—	—	—
F/ch	—	—	—	—	—	—	—
Total	74	5337	5411	760	4251	323	77

Department & Sex	In the hospital on the midnight 31-12-84	Admitted during the year	Total	Discharged		Death	Remaining in the hospital on the midnight 31-12-85
				Cured	Otherwise		
1	2	3	4	5	6	7	8
SURGICAL							
Male	58	3097	3155	650	2333	123	49
Female	21	1043	1064	180	820	40	24
M/ch	4	575	579	150	409	8	12
F/ch	3	240	243	60	175	7	1
Total	86	4955	5041	1040	3737	178	86
OPHTHALMIC							
Male	5	456	461	110	334	3	14
Female	5	328	333	90	232	—	11
M/ch	1	37	38	20	16	—	2
F/ch	—	23	23	15	7	—	1
Total	11	844	855	235	589	3	28
GYNAEC							
Female	43	1576	1619	750	822	4	43
Total	43	1576	1619	750	822	4	43
SKIN & V. D.							
Male	6	220	226	80	138	—	8
Female	4	81	85	55	26	2	2
M/ch	—	16	16	8	7	—	1
F/ch	1	14	15	10	4	1	—
Total	11	331	342	153	175	3	11
I. C. U.							
Male	4	673	677	—	464	208	5
Female	2	315	317	—	200	115	2
M/ch	—	2	2	—	—	2	—
F/ch	—	—	—	—	—	—	—
Total	6	990	996	—	664	325	7
ORTHOPAEDIC							
Male	33	1109	1142	898	184	24	36
Female	17	459	476	50	384	24	36
M/ch	5	302	307	10	290	—	7
F/ch	3	166	169	20	148	—	1
Total	58	2036	2094	978	1006	48	62
E. N. T.							
Male	8	413	321	210	201	1	9
Female	3	310	313	123	184	2	4
M/ch	2	158	160	85	71	—	4
F/ch	1	171	172	60	107	—	5
Total	14	1052	1066	478	563	3	22

	1	2	3	4	5	6	7	8
PAEDIATRICS								
Male		29	2499	2528	160	2176	180	12
Female		23	1957	1980	120	1643	204	13
Total		52	4456	4508	280	3819	384	25
MATERNITY								
Female		99	8247	8346	4200	4043	17	86
Total		99	8247	8346	4200	4043	17	86
BURN								
Male		3	28	31	—	—	28	3
Female		5	282	287	—	79	199	9
M/ch		3	66	69	—	61	7	1
F/ch		—	54	54	—	46	5	3
Total		11	430	441	—	186	239	16
GRAND TOTAL		465	30254	30719	8874	19855	1527	463

APPENDIX — V

Cost per in patient and out patient per day (1985)

Year	Establish- ment	Contin- genciss	Drugs and Medicines	Diet	Stores and Linen	Repairs Maintenances special Repairs New works	Total
1	2	3	4	5	6	7	8
IN—PATIENTS							
1985	21.49	2.79	13.82	6.32	14.10	2.33	60.85
OUT—PATIENT							
1985	1.73	0.53	0.84	—	0.16	0.18	3.44

APPENDIX—VI

PATHOLOGY DEPARTMENT DEPARTMENT WISE YEARLY WORKLOAD OF 1985. BACTERIOLOGY AND SEROLOGY

Gram Stain	8724	Pericardial Fluid culture	6
AFB Stain	1043	culture	
Albert Stain	234	Hydrocele Fluid	5
Clot Culture	3043	culture	
Blood Culture	534	Sinereal Fluid	16
Pus Culture	621	culture	
Urine Culture	1365	Wound Swab	62
Sputum Culture	639	Umbilical Swabs	79
CSF Culture	909	Ulcer Swabs	25
Stool Culture	298	Bronchial aspiration	03

Throat Swab	217	Nasal Swab	46
Eye Swab	156	Pharyngeal Swab	12
Ear Swab	135	Miscellaneous	205
Anti-biotic		O. T. Sterility	1957
Sensitivity Test	1612	(Swabs)	
Biochemical test	1612	Blood V. D. R. L.	12769
Urethral Smear	77	CSF V. D. R. L.	227
Pleural Fluid Culture	294	Blood Bank VDRL	783
Peritoneal Fluid		Blood widal	685
Culture	—	Blood Paul Bannel	02
Ascitic Fluid		R. A. Test	570
culture	202	Preganancy Test	462
Vaginal Swab		Casoni's Test	06
Culture	80	CSF Widal	—
Gastric Fluid			
Culture.	15		—

BIOCHEMISTRY

Blood Sugar		22434
Blood Urea Nitrogen		13208
Serum Creatnine		11769
Serum Uric Acid		297
Serum Albumin		5186
Serum Cholesterol		3871
Serum Protein		5301
Serum Bilirubin Direct		4837
S. G. O. T.		6018
S. G. P. T.		6025
Serum Anylase		384
Serum Calcium		295
Serum Alkaline Phosphatase		1926
Serum Potassium		5435
Serum Sodium		5435
Gastric Analysis		52
Prothrombin time		450
Prothorombin Inex		—
Blood Cases		—
Electro Phoresis		44

T. B. CLINIC

Hb	5118	Urine.	6133
CBC	5108	Sputum	9887
ESR	6887		

HAEMATOLOGY

Haemoglobin	8192	R. B. C. Count	1103
Total Count	9242	P. C. V.	1103
Diff Count	9242	Retic Count	1103
E. S. R.	6445	Platelet Count	1106
PCV	1391	Osmotic fragility	5
Complete Haemogram	1103	Bons marrow	24
Haemoglobin	1103	Suckle Cell Test	8
Total Count	1103	L. E. Cell Test	41
Diff Count	1103		

HISTOPATHOLOGY

Total No. of Tissue		3167
Received from Rajawadi Hospital		
Total No. of Tissue		
Received from other Hospital (Municipal)		224
Total No. of Blocks prepared		5309
Total No. of slides stain		6193
Total No. of Cytology stain		300
Total No. of slide prepared.		587

APPENDIX—VII

PHARMACY

1. Quantity of stock solution preparation.	12320
2. Number of packets of tablets made.	5093247
3. Number of packets of powder prepared.	25360 Pakts.
4. Number of O. P. D. prescription account kept.	
5. Special prescription attended.	Nil.
6. Prescription where special drug is issued and account is kept.	Nil
7. Syrup Simplex.	Nil
8. Stock Mixture prepared.	8320 Ltrs.
9. Ointment prepared.	460 Kgs.
10. Lotion prepared.	Nil

APPENDIX—VIII

FAMILY WELFARE CENTRE

Vasectomy	23
Tubectomy	1066
I. U. C. D.	455
Nirodh	3920
M. T. P.	599
Oral Pills.	321

APPENDIX — IX

SCHOOL CLINIC (1985)

The school clinic looks after children from the Municipal Corporation School surrounding this hospital.

The analysis of the boys and girls treated at this hospital school clinic is as follows.

DEPARTMENT	NEW CASES	OLD CASES	TOTAL CASES	INDOOR CASES ADMITTED
Paediatric	1050	10657	11707	13
Ophthalmic	466	4024	4490	7
E. N. T.	427	4934	5361	76
Skin	269	2647	2916	—
Dental	713	4031	4744	—
Surgery	105	103	208	6
Orthopaedics	128	157	285	—
T. B.	33	1802	1835	1
	3191	28355	31546	103

APPENDIX—X

OPERATIONS ON 1985.

	Major	Minor	Total
Orthopaedic	516	5541	6057
Ophthalmic	520	172	692
E. N. T.	228	413	739
Surgical	474	1501	1975
Gynaec	708	1627	2335
Minor O. T.	—	2299	2299
Total	2444	11553	13997

K. B. BHABHA HOSPITAL, BANDRA,

ADMINISTRATIVE REPORT FOR THE YEAR 1986.

This Hospital Continued to render Medical relief service to the sick and Needy people in the vicinity of 'H' Ward area. Dr. (Smt.) P. S. Paralkar, M. D. held the post of Medical Superintendent during the year. The report for the year 1986 is as under :—

HIGH LIGHT :

I. EXPENDITURE

(A)	1. On Inpatients	Rs. 58,62,290
(B)	2. On Out-Pts.	Rs. 54,46,600

AVERAGE COST PER PATIENT

1.	On In-Pts.	Rs. 87.85
2.	On Out-Pts.	Rs. 7.30

II. RESULTS—INPATIENTS

1.	Schedule Bed Streignth.	204
2.	Daily Average Inpts.	201
3.	Admission Including those brought over from Previous year.	12,442
4.	Discharges*As :—	
	(i) Relived	156
	(ii) As cured	11,590.
	(iii) Other-Wise	122
	(iv) Expire	359
	(v) Remained in the Hops., on the last day of the year.	162
	(vi) Daily Average No. of Admission	34
	(vii) Average stay of Inpatients	7 Days
	(viii) Highest No. of Inpts. in a day.	235

(B) OUT-PATIENTS

1.	New Out-Patients attendance	1,59,265
2.	Old Out-Patients attendance	5,83,545
3.	Daily Average No. Outpatients	1,675
4.	Highest O.P.D. attendance on a Single day	2,056
	No. of Casualty attendance	33,477

(C) OPERATION :—

1.	MAJOR OPERATION	1,118
2.	MINOR OPERATION	14,124

(D) CONFINEMENTS :—

1.	Booked Cases	4,113
2.	Emergency Cases	106
3.	Normal Cases	3,272
4.	Abnormal Cases	170
5.	Left-before delivery	68

(E) ENO—NATAL AND NATURAL DEATHS

1.	Maternal Death	Nil
2.	Neo-Nstal Death	Nil
3.	Still Birth	79
4.	Premature live born Infants	68

(F) SPECIALISED TREATMENT

1.	Sterilisation (male)	56
2.	Sterilisation (Female)	451
3.	I.U.C.D.-Insertion	227
	N. T. P.	199

5. Disease-wise distribution of cases treated and deaths including tuberculosis and S.T.D. of all forms.

ENCLOSED IN APPENDIX

I II III

THIS HOSPITAL CONDUCTS THE FOLLOWING DEPARTMENTS

1. Medical (Including E. C. G. Facilities).
2. Surgical (Including Minor Surgery, M. O. T.).
3. Paediatric
4. Cynaecology and obstetrics
5. Anti-Natal Clinics
6. Post-Natal Clinics
7. E. N. T.
8. Skin and S. T. D.
9. Opthelmic
10. Occupational Therapy and Physic Therapy
11. Pathological Laboratary
12. Dental
13. Blood Bank
14. Family Planning Centre
15. Municipal Staff Dispensary
(Evening from 6.00 p.m. to 8.00 p.m.).
16. Anti-Rabic Threatment clinics (Dog-Bite)
17. Issue and authetication of Internation Health certificates and innoculation centre.
18. Immunization Centre if B.C.G., Polic, and Triple
19. Speech Therapy and Audiology
20. Food Hendlling Scheme
21. Mobile dispensaries
22. Municipal Medical Examination
23. Casualty
24. Inservice training programme for Medical, Para-Medical and Laboure Staff.
25. E. C. G. Department.

LIST OF THE MEDICAL OFFICER

NAME OF THE MEDICAL OFFICER	DESIGNATION
Dr. (Smt.) P. S. PARALKAR	MEDICAL SUPERINTENDENT
Dr. (Smt.) P. K. BHOJWANI	ASSTT. MEDICAL OFFICER
Dr. (Smt.) S. R. PANJWANI	ASSTT. MEDICAL OFFICER
Dr. (Smt.) S. R. SHANBAGH	ASSTT. MEDICAL OFFICER
Dr. (Smt.) M. K. SADARANGANI	ASSTT. MEDICAL OFFICER
Dr. (Smt.) M. M. FURTADO	ASSTT. MEDICAL OFFICER
Dr. (Smt.) S. K. MENGALE	ASSTT. MEDICAL OFFICER
Dr. (Smt.) M. A. RASQUINHA	ASSTT. MEDICAL OFFICER
Dr. (Smt.) S. M. KULKARNI	ASSTT. MEDICAL OFFICER
Dr. (Smt.) K. V. PRASAD	ASSTT. MEDICAL OFFICER
Dr. (Smt.) P. V. MULCHANDANI	ASSTT. MEDICAL OFFICER
Dr. (Smt.) S. S. KUKREJA	ASSTT. MEDICAL OFFICER
Dr. (Smt.) S. S. CHIRMULE	ASSTT. MEDICAL OFFICER
Dr. B. C. PAI	ASSTT. MEDICAL OFFICER
Dr. DEEPAK SHARMA	ASSTT. MEDICAL OFFICER
Dr. D. C. VYAS	ASSTT. MEDICAL OFFICER
Dr. M. H. ADWANI	ASSTT. MEDICAL OFFICER
Dr. S. P. SONAWANE	ASSTT. MEDICAL OFFICER
Dr. M. A. BUDHKAR	ASSTT. MEDICAL OFFICER
Dr. P. S. SARANG	ASSTT. MEDICAL OFFICER
Dr. UMESH PATKAR	CASULTY MED. OFFICER.

LIST OF HONARARIES AND ASSTT. HONARARIES

NAME OF THE DOCTOR'S	UNITS	WORKING AS
Dr. J. B. BARFIWALA (M.D.D.C.O.)	GYNANCOLOGY	HONARARY GYNANCOLOGIST
Dr. (Smt.) JOSHI (M.D.D.D.C.O.)	—"—	ASSTT. HON. GYNANCOLOGIST
Dr. (Smt.) P. S. PARALKAR (N.D.D.C.O.)	GYNANCOLOGY	FULL—TIME GYNANCOLOGIST.
Dr. (Smt.) PURANDARE (M.D.D.C.O.)	—"—	ASSTT. HON. GYNANCOLOGIST.
Dr. M. K. JOSHI (M.D.D.C.R.)	PANDIATRIC,	HON. PAEDIATRICIAN
Dr. (Smt.) S. S. WAGH (M.D.D.C.H.)	—"—	ASSTT. HON. PAEDIATRICIAN
Dr. A. R. BHIDE (M.D.)	PAEDIATRIC	ASSTT. HON. PADIATRICIAN
Dr. U. R. NADKARNI [M.D.(BOM.)F.I.C.A.(U.S.A.)]	MEDICAL	ASSTT. HON. MEDICINE
Dr. P. N. BALLANI [M.D.(BOM.)]	MEDICAL	ASSTT. HON. MEDICINE
Dr. J. B. SHAH (M.S.)	SURGICAL	ASSTT. HON. SURGEON
Dr. T. SATYENDRA [M.S. (BOM.)]	SURGICAL	ASSTT. HON. SURGEON
Dr. N. S. V. CHARI (M.D.D.U. & D.)	SKIN S.T.D.	ASSTT. HON. AKIN AND S.T.D.
Dr. HEMANT K. SHEODE [M.S.(E.N.T.)]	E.N.T.	ASSTT. HON. E.N.T. SURGNON
Dr. A. S. PRABHU [M.S.(OPHTH)]	OPTHELNIC	ASSTT. HON. OPTH.
Dr. VASANT SHEVALE (M.D.S.)	DENTAL	PART—TIME DENTAL SURGNON
Dr. (S.N.T.) L. B. BUTANI (B.B.S.)	DENTAL	PART—TIME DENTAL SURGEON
Dr. (A. S. GOKHALE	DENTAL	PART—TIME DENTAL SURGNON

IMMUNIZATION WORK DONE DURING 1986 IS AS UNDER

Immunization	1st Dose	2nd Dose	3rd Dose	4th Dose	5th Dose	Booster
1. Triple Vaccination	1,402	1,111	795	—	—	496
2. Polio Vaccination	1,541	926	833	500	363	481
3. Tetanus Toxide (A.N.C.)	4,352	2,730	1,030			

O. P. D. T. T.	15,861
New Born Baby given B.C.G.	— Nil—
O. P. D. Under 1 to 14 years Child given B. C. G.	5,025
Anti-Cholera	4,646
T. A. B.	401
Domiciliary visit two Health visitors (Excluding family planning)	3,915
Family Planning Visits	2,006
Well Baby clinics (Supply of Milk etc.)	— Nil—

SUMMARY OF ATTENDANCE OF PATIENTS

O. P. D. total attendance	5,83,845
Casualty total attendance	35,477
Total Admission	12,280
New Born Babies	
Male 2,006	
Female 1,763	3,769

MUNICIPAL STAFF DISPENSARY

New Cases	2,813
Old Cases	4,714
Total Cases	7,527

A.R.V. CASES TREATED DURING THE YEAR OF 1986.

New Cases	5,025
Total Cases	23,161

MEDICO-LEGAL WORK

Type of Medico Legal cases registered during the year.

Average No. of cases registered per day	Accident	Homicide	Suicide	Others	Total
25	7,132	736	273	907	9,048

Type of Medico-Legal work done during the year.

1. Consumption of poisoning drugs, Liquids etc.
2. Minor and Major Injuries.
3. Assault Injuries,
4. Vehicular Injuries
5. Burn Cases
6. Food Poisoning Cases,
7. Unconscious and Unmarried delivery cases.

FOOD HANDLING SCHEME

This Hospital Conduct Food Handling Programme to check Hotel and Canteen Workers.

No. of Patients attend Food Handling Scheme Department during the year 1986	2,160
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MUNICIPAL MEDICAL EXAMINATION

No. of Patients attended Municipal Medical Examination during the year 1986.

Male Medical Examination (New)	703
Male Medical Examination (Old)	4,546

LADY MUNICIPAL MEDICAL EXAMINATION

Lady Municipal Medical Examination (New)	468
Lady Municipal Medical Examination (Old)	1,077
Total No. of Municipal Medical Examination attendance	6,876

MEDICAL DEPARTMENT ATTENDANCE

Mobile Dispensary No. 1 (Big Van) attendance	11,746
Mobile Dispensary No. 2 (Small Van) attendance	5,668

**METROPOLITAN MAGISTRATE AND SESSION COURT CASES ATTENDED
A.M.O.'S AND C.M.O.'S DURING THE YEAR AS UNDER :—**

1. Metropolitan Magistrate Court Cases.	65
2. Session Court Cases.	8
3. Coronors Court Cases.	Nil
4. Vehicular Accident Claim Tribunal.	1
5. Judicial Magistrate Court.	Nil
6. A.C.P.'s Inquiries.	Nil
Injury Certificate for Police Department.	
Issue Injury Certificate for Bandra, Nirmal Nagar, Mahim, Kherwadi, Vile—Parle, Matunga and Dadar Police Stations.	
No. of Certificates Issued.	2,245
No. of Private Injury certificates Issued.	123
Physio therapy and Occupational Therapy.	
Indoor Patients.	745
Outdoor Patients.	2,187
Total.	2,932
Audio and Speech Therapy.	
Out Patients.	1,195

Nursing Sections.

During the year under reference number of nursing staff working at this Hospital as under :—

Sr. Asstt. Matron.	1
Jr. Asstt. Matron.	1
Sister Incharge.	14
Full Trained.	20
Auxilliary.	60
Mid-Wives.	6
Health Visitors.	2
Total.	<hr/> 104 <hr/>

ELECTRICAL CARDIOGRAM.

Family Planning Clinics.	
1. No. Person contanted for F. P. education.	825
2. No. of Cases given advice.	3,925
3. No. of active cases following F. P. advice.	880
4. Clinical attendance.	5,630
5. No. of persons.	22,855
6. Vascotomy Done.	56
7. Tubectomy Done.	451
8. No. Cases of supplied pices of Nirodh.	43,563
9. No. of Cases supplied contraceptive pills.	790
10. No. of Cases M. T. P. Done during the year.	199
11. No. of Cases supplied loop.	393
E. C. G. Diagnosis during the year 1986 is as under :—	
1. Chest Pain.	743
2. I. H. D.	985
3. Hypertension.	173
4. Branchycardia.	85
5. Breathleasness.	153
6. Within Normal Limit.	240
7. P. O. U.	30
8. Anterior W. Ing.	43
9. High B. P.	186
10. R. B. B. H.	40
11. Asthama.	242
12. Myocardial Infraction.	83
13. S. T. C. Changes.	9
14. C. C. F.	173
15. Low B. P.	56
16. Diabeties.	145
17. Anemia.	173
18. Sinus Trechycardia.	11
Total :	<hr/> 3,349 <hr/>

Total No. of E. C. G. Taken 1.765 during the year 1986.

Pharmacy.

Pharmacelical preparation for Indoor and Outdoor patients were made during the year is as under :—

1. No. of Peckets of Tablets made.	12,500	Pkts.
2. Quantity of stock mixtures prepared.	10,000	Lts.
3. Stock Mixture preparation.	13,500	Lts.
4. Oinment Preparation.	650	Kgs.
5. Lotion Prepared Calamins.	6,500	Lts.
6. B. B.	550	Lts.
G. Violete.	2,500	Lts.
Acrifiavin.	1,900	Lts.
Sodium Hyph.	1,500	Lts.
6. No. of Packet powder.		Nil
7. No. of Preparation account kept.		Nil
8. No. of Preparation where special drugs issued and account kept.	5,000	Bottles.

Pathology.

The Pathological report of the various test for the year is as under :—

Blood Routine.	19,202
E. S. R.	8,152
P. C. V.	8,209
Urine Routine.	18,645
Stool Routine.	3,132
V. D. R. L.	16,213
Widal.	291
B. T. & C. T.	947
Blood Grouping.	18,418
Rh. O. D.	12,386
X—Matching.	532
Blood Sugar.	9,183
S. G. O. T. & P. T.	740
C. S. F.	619
Body Fluid.	113
Sr. Protin.	338
Sr. Bilirubin.	343
Sr. Great.	2,193
Sr. Cholesterol.	1,132
Electrolyte.	1,009
P. T. P. I.	343
Peripheral Smear.	78
Semen.	520
Sputum A. F. B.	620
Gram Staining.	98
Alkaline Phosphet.	140
A. N. C.	4,990
Histopath.	365

Blood Bottles were collected and used as under :—

1. Total No. of Blood Bottles collected	1,154
2. No. of Valuntary Donors	882
3. No. of replacement Donors	180
4. Brought from other Hospital	263
5. Bottles for the Hospital	821
6. Bottle send to other Hospital	653
7. Bottle send for pleasma	186
8. Bottles Discharged	43

The relative of the patients were motivated to donate blood. Various social organisation were approved for organisation campaigns of Blood Donation. The Following organisation arranged the blood donation drives for the Hospital.

1. Bharatiya Janata Yuva Morcha
2. S. S. Society, Kherwadi
3. St. Pater's Church
4. National Congress
5. Tilak Dnandip Maridal, Goregoan
6. Mahim Taluke Youth Congress
7. Kherwadi youth Congress
8. Office of the civil defence Corpn.
9. Kandiwalli Youth Congress
10. St. Teressa Church, Bandra.
11. M. I. G. Cricket Club
12. Youth Congress (I), Bandra.

RADIOLOGY

The work done during the year is as under :-

1. Barium-meel stomachoenum

INVESTIGATION	INDOOR PATIENTS	OUTDOOR PATIENTS
1. Barium-meel stomachoanum	35	64
2. Barium Eneme	9	6
3. Barium Swallow	7	18
4. Oral Cholec Stogram	4	9
5. Uretregram	7	12
6. I. V. Pyalogram	38	37
7. Histoosalpingography	8	37
	<hr/> 102	<hr/> 183

Total No. of patients X-Ray during the year of 1986.

9,886.

T. B. Clinic.

Due to shortage of accomodation T. B. cases were treated in this Hospital in general O. P. D. Medical Unit. The patient who were diagnosed were refered to the nereby Municipal Dispensary for futur treatment. However streptomycien Injection were given in this Hospital to those patients who were residing in the vicinity of this Hospital.

Total No. of patients treated during the year 1986. 12,171

Ambulance Facilities :

One Ambulance van attached to this Hospital for round the clock services. The van was made available to the general patients of the scheduled rates.

Hearse Facilities :

One Hearse was provided to work in two shifts for removal of deed bodies from this Hospital. The same is made available for general public at the scheduled rates.

Mobile van Dispensaries :

Two mobile dispensaries vans are attached to this Hospital the carter the needs of the people residing in slums where no Medical facilities are available.

Paying Bed Scheme :

The schame of paying bed have been introduced with effects from 7th October 1982. The patients give good response for this schame.

Future Projects and Development of the Hospital :

The Hospital is proposed to be expand in the Phases to as to increases bed strength up to 500 Beds. The construction of building in 1 st phase is started in the year 1982. The building is likely to be completed in all respects by May 1987. On Complication of 1st phase bed strength will be increased up to 365 beds.

Medical Superintendent,
K. B. Bhabha Hospital, Bandra.

DISTRIBUTED OF DEED ACCOUNTING TO THE SEX.

Sr. No.	Department	Male	Female	Children	Total
1.	Medical	23	9	—	32
2.	Surgical	23	9	—	32
3.	Paediatric	—	—	32	32
4.	Gynaec	—	20	—	20
5.	Obstrectics	—	70	—	70
6.	E. N. T.	2	2	—	4
7.	Ophthalmic	2	1	—	3
8.	Skin	—	—	—	1
9.	Casusly & Emergency	—	—	—	10
		50	112	32	204

APPENDIX — I

Summary of Indoor admission, discharge, deaths and last remaining according to departmental unit.

Sr. No.	Department	Admission with last remaining	Discharge	Transfer to other Hospital	Deaths	Remaining last day of year.
1.	Medical	2,509	2,246	36	118	20
2.	Surgical	2,045	1,978	30	51	20
3.	Paediatric	2,346	2,183	45	193	16
4.	Gynaecology	1,014	904	4	—	20
5.	Maternity	3,656	3,550	3	—	79
6.	E. N. T.	403	400	—	—	3
7.	Ophthalmic	439	435	—	—	4
8.	Skin	—	—	—	—	—
		12,442	11,590	122	359	162

Diseases wise Death during the year 1986.

Paediatric Unit.

1.	Gastro Entrites.	30
2.	Brancho Pnemonia.	26
3.	Pnemonia.	10
4.	Bronchitis.	7
5.	Branchopnemonis with C. C. F.	4
6.	Aspiration with Pnemonia.	7
7.	Encephalitis.	7
8.	Tuberculosis with Meningitis.	32
9.	Branchotis with C. C. F.	11
10.	Anemia (Sever).	5
11.	Marasmus.	2
12.	Cardio Respiratory Failed.	23
13.	Septicemia.	5
14.	Pyogenic Meningities.	6
15.	Post Meas. 's with C. C. F.	3
16.	Prematurity.	16
17.	Post Measules with Branchopnemonia.	3
18.	Encephalities.	7
19.	Acute Nephirities.	2
20.	Meningo Coccal Meningities.	6

Medical Unit :

1. Cardio Respiratory Failure.	36
2. Cerebro Vascular Accident.	9
3. Hyper Tension with C. C. F.	20
4. Anemia with C. C. F. with Hypertension.	9
5. Plum Kochs.	3
6. Ischemic Heart Diseases.	15
7. C. C. F. with Kochs.	5
8. Gidness with Uncounciousness.	5
9. I. C. C. Ovary.	1
10. T. B. Meningities.	12
11. Amebic Colaties.	5
12. - Hepatic Failure with Cirrhosis of liver.	1
13. Sever Anemia with General Debility.	2
14. Hepatic cellure Failure.	2
15. C. A. Stomach with Secondary inliver.	2

Surgical Unit :

1. Accident Injury.	16
2. Tissal Perforation.	13
3. Accute Hemmerges Panicrelifitis.	11
4. Post Operative complication.	6
5. Sever Panitorities.	5

Total. 359

Sr. No.	Department.	O. P. D. Sexwise Departmental Attendance.					Casualty Sexwise Departmental Attendance.					Total.
		Male	Female	Male Child	Female Child	Total	Male	Female	Male Child	Female Child		
1.	Medical.	66,193	59,217	...	...	1,25,410	7,609	4,998	...	...	12,507
2.	Surgical.	32,882	31,650	28,540	25,558	1,18,600	4,930	3,804	4,986	3,888	17,408	
3.	Skin..	31,900	26,128	10,726	9,888	78,642	...	...	...	...	...
4.	Paediatric.	...	...	58,887	49,127	1,06,014	...	...	3,601	3,890	7,391
5.	A. R. V.	6,122	8,021	3,822	3,955	21,920	725	609	612	355	2,201	
6.	O. T. P. T.	3,266	4,626	1,409	2,530	11,831	...	...	...	...	...
7.	Gynaec.	...	29,926	...	...	29,926	...	1,296	...	...	1,296
8.	A. N. C.	...	14,990	...	...	14,990	...	155	...	...	155
9.	P. N. C.	...	...	2,816	2,078	4,894	...	...	...	...	...
10.	Dental.	6,400	3,986	2,144	2,422	14,952	59	21	32	46	158	
11.	E. N. T.	9,341	5,801	9,550	7,995	32,625	85	31	49	59	224	
12.	Ophthalmic.	11,699	5,501	4,995	4,611	30,808	66	28	35	34	163	
13.	Speech Therapy & Audiology.	699	300	219	77	1,293	...	...	...	...	...
Total.		1,66,500	1,95,146	1,21,108	1,09,181	5,91,935	13,374	10,842	9,215	8,071	41,503	

O. P. D. Attendance.	5,91,935
Casualty Attendance.	41,503
Total	6,33,438

Medical Superintendent,
K. B. Bhabha Hospital, Bandra.

DR. R. N. COOPER MUNICIPAL GENERAL HOSPITAL, JUHU, (520 BEDS).

Salient features :

A) EXPENDITURE AND REVENUE

1. Total budget allocated	Rs 2.93 crores
2. Actual expenditure	Rs. 2.84 crores approx.
3. Total revenue	Rs. 10.21 lacs
4. Poor Box Charity Fund Collection.	Rs. 6.67 lacs
5. Poor Box Charity Fund Expenditure (Towards x-ray plates, implants for orthopaedic patients, blood bank campaigns, costly drugs etc.)	Rs. 4.24 lacs
6. Average cost per day per patient — indoor.	Rs. 67.01
—outdoor.	Rs. 4.25

B) CAPACITY UTILISATION

Facilities of manpower and financial resources being almost constant, an all round increase in work out put was achieved.

1) Casualty patients treated	+ 9%
2) No. of operations performed (Major and Minor).	+ 5%
3) Inpatient occupancy.	+ 10%

C) NEW PROJECTS UNDERTAKEN/ADDED

- 1) Ultrasonography clinic in Obstetrics and Gynaec Dept.
- 2) A. O. Swiss fracture equipment added to orthopaedic department to expedite rehabilitation of lower limb fracture patients.
- 3) Image intensifier equipment added to the orthopaedic theatre.
- 4) First inservice Education Programme for Nursing Staff conducted by H. O.'s department/S. N. S. was undertaken at Nursing School of Dr. R. N. Cooper Hospital.

D) RECOMMISSIONING AFTER RENOVATION OF DEPARTMENTS.

- 1) Major Operation theatre block of 5 operation theatres — recommissioned on 21-8-1985 with A. C. This work was pending for last 5 years.
- 2) Premature Baby Ward — renovated, painted and recommissioned.
- 3) Paediatric ward — its cots etc. were painted.

E) MEASURES TAKEN TO IMPROVE PATIENT CARE

- 1) Effective/optimum utilisation of operation theatre of orthopaedic department.

One more operation day was added to the existing schedule to reduce the backlog of trauma patients waiting for operation in orthopaedic ward, thereby reducing their indoor stay to a great extent.

- 2) Casualty

In co-ordination with Tata Institute of Social Sciences, a study was conducted of the casualty services rendered at Dr. R. N. Cooper Hospital.

Some useful suggestions have been brought out in the study which are being implemented.

This will reduce public grievances and waiting period of patients in casualty to some extent.

F) BLOOD BANK

Australia Antigen testing HBsAg for serum hepatitis B type was started for the first time, since 15/8/1986. Total number of tests done on donors and bottles collected during the year were 811.

G) SCRAP DISPOSAL

Which was pending for the last 5 years of articles such as enamel ware, broken furniture which has outlived its utility and is irreparable was scrutinised, processed by stock verifier jointly with our office and disposed of.

Income generated

Rs. 1.26 lacs.

H) ACADEMIC ACTIVITIES

To meet the requirements of the University of Bombay for the continuation of recognition of clinical departments necessary actions were taken viz. creation of lecture halls, ward laboratories, ward clinic rooms, increasing library journal facilities etc.

- 2) Uniformity of staff pattern in each unit of clinical department was established and lecturers were also appointed.

- 3) Quarterly clinical meetings of all departments jointly were started where interesting and complicated cases are presented by the resident staff and discussed by all Hon. medical staff.

I) HOUSE KEEPING

In co-ordination with Dy. Superintendent of Gardens, Jr. Overseer Gardens and Sr. Ward Officer K West a continuous attempt was made to improve the gardens, landscape and general cleanliness of the compound etc.

Awareness in all staff members at various levels for clean upkeep of wards and hospital complex is a continuous process which is being impressed upon.

Detailed statistical report is submitted separately along with this for perusal please.

Acc : 2 English and 2
Marathi copies of the
statistical report.

Dr. Mrs. S. K. Pershad,
Medical Superintendent,
Dr. R. N. Cooper M. G. Hospital.

**MUNICIPAL CORPORATION OF GREATER BOMBAY
DR. R. N. COOPER MUN. GEN. HOSP., JUHU, BOMBAY**

In the year 1985—86, Dr. R. N. Cooper Municipal General Hospital, Juhu, has completed 15 years of service of rendering medical relief to the ailing persons in the western suburbs of Bombay.

Medical Superintendent

Dr. (Smt.) S. K. Pershad, M. B. B. S., D. G. O. Medical Superintendent has been transferred from Rajawadi Hospital to Dr. R. N. Cooper Municipal General Hospital, Juhu, from November 1984 and continued to hold the post throughout the year.

Assistant Medical Officer (Admn.)

Vacant since January 1984.

Assistant Medical Officers

- 1) Dr. (Smt.) H. A. Mangat, M. D., D. C. H., Assistant Medical Officer — looking after the work A. M. O. (Admn.) since January 84 for which charge allowance has been sanctioned.
- 2) Dr. V. S. Bhalerao, M. B. B. S., Assistant Medical Officer looking after the work of C. A. S. Building since 16-1-1984 for which charge allowance has been sanctioned.
- 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. S. H. Mehta, M. B. B. S.
- 7) Dr. R. N. Dhyawarkonde, M. B. B. S.
- 8) Dr. S. B. Patgaonkar, M. B. B. S.
- 9) Dr. M. D. Pradhan, M. B. B. S.
- 10) Dr. R. J. Shah, M. B. B. S.

Honorary Staff

Medical Department

1. Dr. R. D. Darne, M. D. (Bom.), M. R. C. P. (U. K.), F. C. C. P. (U. S. A.) He is now holding the post of Honorary Physician (Cardiology):
2. Dr. N. R. Shetty, M. D., Assistant Honorary.
3. Dr. A. K. Joshi, M. D., Assistant Honorary.
4. Dr. J. S. Barve, M. D., Assistant Honorary.

Surgical Department.

1. Dr. D. K. Dastur, M. S. (Bom.) Honorary Surgeon.
2. Dr. S. R. Padhye, M. S., Assistant Honorary.
3. Dr. M. M. Hindalekar, M. S., Assistant Honorary.
4. Dr. S. V. Shetty, M. A. M. S., M. S., Honorary.
5. Dr. A. C. Pinto, M. S., Assistant Honorary.

Plastic and Burns Department.

1. Dr. A. M. Rao, M. S. (Plastic) Assistant Honorary.

Obst. & Gynaecology Department.

1. Dr. S. H. Shah, M. D. (Bom.) D. G. O. D. F. P. F. C. P. S., Honorary.
2. Dr. R. M. Sarsogi, M. D., Hon. Asstt., M. D. F. C. P. S. D. G. O.
3. Dr. S. S. Palnitkar, M. D. (Bom.) D. G. O. F. C. P. S. M. R. C. O. G. (Lon) Honorary.
4. Dr. A. C. Kale, M. D. (Bom.) D. F. P. F. C. P. S., Asstt. Honorary.
5. Dr. S. D. Chaubal, M. D. D. G. O. D. F. P., Honorary.
6. Dr. S. J. Penkar, M. D. D. G. O. D. F. P., Assistant Honorary.

Paediatric Department.

1. Dr. G. S. Hathi, M. D. Paed., D. C. H., Honorary.
2. Dr. (Smt.) S. Y. Joshi, M. D. D. C. H. Assistant Honorary.
3. Dr. P. N. Patnekar, M. D. (Paed.) D. C. H., Honorary.
4. Dr. V. S. Kulkarni, M. D. D. C. H., Assistant Honorary.

Orthopaedic Department.

1. Dr. R. N. Katre, M. S. (Ortho.) Honorary.
2. Dr. R. H. Pathak, M. S., Assistant Honorary.
3. Dr. A. J. Thakur, M. S. (Ortho.) F. C. P. S. (Ortho.) Honorary.
4. Dr. S. M. Karkhanis, M. S., Assistant Honorary.

Ear, Nost & Throat Department

1. Dr. P. P. Karnik, M. S. (Bom.) F. I. C. S. Head of the Unit.
2. Dr. S. P. Wagh, M. S., D. O. R. L. (E. N. T.) Hon. Asstt. Surgeon.
3. Dr. S. S. Joshi, M. S., D. O. R. L., Assistant Honorary.

Radiology Department.

1. Dr. L. M. Pancholia, M. D. (Radiology), D. M. R. E., Honorary.

Pathology Department

1. Dr. P. M. Chaphekar, visiting Prof. (Patho.) Part time.
2. Dr. (Smt.) A. S. Mehta, M. D. (Patho.), Honorary Pathologist.
3. Dr. S. A. Nimbkar, D. D. D. F. E. Assistant Honorary.

Anaesthesia Department

1. Dr. U. V. Desai, M. D. (Bom.), Assistant Honorary.

Skin & V. D. Department.

1. Dr. M. W. Dhurandhar, M. B. D. V. D. F. C. P. S. F. C. A. I. F. A. C. A. (U. S. A.), D. T. M. H. (Lond.)
Head of the Unit.
2. Dr. D. P. Deshpande, M. D., D. V. D., Honorary.

Psychiatric Department.

1. Dr. N. S. Vahia, M. D. (Bom.) F. R. C. (Psy)
2. Dr. V. N. Vahia, M. D., D. P. M., Honorary.

Ophthalmic Department.

1. Dr. T. N. Ursekar, M. S., F. A. C. S.
2. Dr. V. H. Gandhi, D. O. M. S., M. S., P. O. (Lond.) F. R. C. S. Hon.
3. Dr. M. V. Patel, M. S., D. O. M. S., F. C. P. S. Asstt. Honorary.

Dental Department.

1. Dr. A. B. Shroff, B. D. S., Honorary Assistant.
2. Dr. V. C. Shroff, B. D. S., Honorary Assistant.
3. Dr. B. S. Shroff, M. D. S., Honorary Assistant.
4. Dr. B. D. Wadgama, B. D. S., Honorary Assistant.

Neurosurgery Department.

1. Neurosurgery OPD is conducted with the help of Neurosurgery Department of K. E. M. Hospital on every Wednesday from 1 p. m. to 4 p. m.

Neonatology Department.

1. Neonatology clinic is started from 1-8-1978 and conducted by Dr. G. S. Hathi, Dr. P. N. Patnekar, (Paed. Department).

Special clinics**T. B. Clinic**

1. Dr. D. T. Jadhav, M. D., Asstt. Honorary resigned from 14-11-1984.

Nutrition clinic

1. Nutrition clinic is attached to paed. OPD and works on every Friday from 9 a. m. to 4 p. m. It started functioning from February 1972.

Hansen's clinic

1. Hansen's clinic is managed by Acworth Leprosy Hospital, Wadala and is conducted on every Tuesday from 9 a.m. to 4 p. m.

Diabetic clinic

1. Diabetic clinic is conducted by Dr. A. K. Joshi on every Thursday from 8 a. m. to 10 a. m.

School clinic.

1. School clinic department started from July 1973, Dr. Surekha, Honorary Assistant is appointed from 12-11-1980.

Lecturers :

1. Dr. P. M. Kekre, M. S. (Ortho.)
2. Dr. P. N. Shah, M. S. (Ortho.)
3. Dr. P. K. Parikh, M. S. (E. N. T.)
4. Dr. S. L. Nagvekar, M. S. (Ob. Gy.)
5. Dr. M. S. Chandavarkar (Ob. Gy.)
6. Dr. J. V. Rangnekar, M. D. (Pead.)
7. Dr. B. S. Pandya, M. S. (Surg.)
8. Dr. J. D. Mohite, M. S. (Surg.)

Tutors

1. Dr. S. N. Naik, M. D. (Ob. Gy.)
2. Dr. P. N. Shinde, M. S. (Surg.)
3. Dr. R. C. Shah, M. S. (Ophth.)

HOSPITAL

1. i) Expenditure :	1) Amount spent on Inpatient	Rs.	2.09 crores approx.
	2) Amount spent on Out-patient	Rs.	75 Lacs approx
	3) Total expenditure excluding cost of new works	Rs.	2,84 crores approx.

Approximately	1) Total variable cost per Inpt. per day.	25.03
	2) Variable cost per outpt per day.	1.15
	3) Fixed cost per Inpt. per day.	41.98
	4) Fixed cost per Outpt. per day.	3.10
ii) A) Results :	1) Schedule bed strength.	520
	2) Daily average In-patients in wards.	516
	3) Total No. of admission including those brought over from the previous year.	29995
	4) Total no. of patients discharged.	25069
	i) Left against medical advice or got discharge.	250
ii) Remained in the hospital on the last day.	53	
iii) Expired including neonatal & Still Birth.	2208	
iv) Average stay of In-patient.	7 days	

B)	1. Total No. of New Out-patients admission.	156132	
	2. Daily average No. of Out-patients (New).	450	
	3. Total No. of Out-patients (New & Old).	371190	
	4. Daily average No. of Out-patients Attendance (New & Old).	1400	
	5. Total No. of Casualty Attendance.	57091	
	Medicolegal cases.	22032	
C)	1. Total No. of Operations In-patient	6325 + 1620 F. P.	7945
	2. Total No. of Operations (Out-patients).		27493

Confinements :	1) Booked cases.	3469
	2) Emergency cases.	568
	3) Normal.	3306
	4) Abnormal.	1544
	5) Neonatal and Maternal Deaths.	
	i) Maternal Deaths.	19
	ii) Neonatal Deaths.	74
	iii) Still Births.	192
	iv) Premature Infants.	133
	v) Sterilization.	
	1) Male.	27
2) Female.	728	

III)

RADIOLOGY

1. Total No. of patients investigated	51193
2. Total No. of X-Ray taken.	68702
Special Investigations :	
1. Barium Meal.	452
2. Barium swallow.	103
3. I. V. P.	443
4. M. C. U. G.	92
5. H. S. G.	79
6. Oral cholecystography.	72
7. Myelogram.	38
8. Sinogram.	20
9. Cystogram.	2
10. Splenoportography.	7
11. Cholangiogram.	14
12. Fistulogram.	4
13. Urethrogram.	4
14. Barium Enema.	116
15. Venogram.	1
16. Dist. colon.	1
17. Angiogram.	1
18. Cysturethrogram.	2
19. Silogram.	1
20. Cavitogram.	3

IV)

BLOOD BANK

1) i) Total No. of Blood samples collected.	5728
ii) From Voluntary Donors.	2406
iii) From O. P. D. patients.	2121
iv) From other hospitals.	265
v) Total No. of bottles supplied to wards.	3815
vi) Total collection of blood bottles.	5728
vii) Australia Antijen — R. P. H. A. Tests conducted.	811

SCHOOL CLINIC

1) Total No. of school children treated.	
i) New.	2798
ii) Repeat	10715
iii) Referred.	134
2) Total expenditure on clinics.	Rs. 2,39,792.66

VI)

PHYSIO THERAPY AND OCCUPATIONAL THERAPY

1. Total no. of attendance at the centre.	
i) Total no. of Out-patients.	41666
ii) Total no. of Inpatients.	42943
Central Ambulance Scheme was started on 1-11-1982.	

CHARGING OF FEES FOR OUTDOOR AND INDOOR PATIENTS.

Charging of fees for out-door and Indoor patients was started from 1-4-1982 under the * C. A.'s circular no. CARG/105.

Charges for O. P. D. patients.	Rs. 2/- for every fifteen days.
Charges for Indoor patients.	Rs. 5/— for first ten days and thereafter Rs. 5/- for each day till patient is discharged.
Total revenue out of O. P. D. and Indoor patients fees as * per above circular is.	Rs. 5,30,865/—

Hearse and Ambulance services : The ambulance service is made available to public at the hospital. The ambulance services are available in emergency to any ailing patient round the clock for transfer of patients to other hospitals. One hearse is provided for removing dead bodies at the hospital for Western suburbs.

Total income from Ambulance and Hearse during the year under report was. Rs. 36,923/-

STATEMENT SHOWING THE REVENUE FROM THE HOSPITAL DURING 1985.

Months 1985	Paying Beds	Indoor Admission	Renewal Fees overstay	O. P. D. Fees	4th. Delivery	Scrap collection
January	31,521.50	8,415	13,505	21,354	500	11,785.80
February	25,757.00	8,380	14,435	20,834	200	—
March	26,205.00	8,855	11,220	21,646	400	76,934.50
April	33,175.00	8,575	13,705	20,820	300	—
May	28,990.50	9,230	14,730	23,032	100	—
June	27,158.75	8,805	11,385	19,522	500	—
July	33,237.25	10,225	11,900	24,956	1000	—
August	26,962.70	8,930	9,353	23,380	500	12,406.70
September	21,602.00	8,995	11,155	22,872	400	10,638.65
October	27,704.75	9,655	13,260	24,490	400	—
November	20,386.00	8,915	10,860	23,680	1100	—
December	26,571.00	9,185	11,770	23,796	100	14,980.00
Total	328,271.45	1,08,165	1,46,818	2,70,382	5,500	1,26,745.65

MEDICAL RECORD DEPARTMENT

In-patient Division : The number of schedule bed strength during the year was 520. During the year 1985 the average no. of In-patient in the hospital was 516 against 475 and 502 during the year 1984 and 1983 respectively. The total no. of patients admitted for hospitalization during the year under report was 29995 as against 27715 and 27619 respectively for 1984 and 1983. The average stay of In-patients was 9 days during the year under report.

Results of treatment of Indoor patients : Out of total no. of 29995 including 493 brought over from the previous year 27802 were considered as cured, 250 left the hospital either, against medical advice or were otherwise discharged and 1924 died (excluding 192 Still Birth and 74 neonatal deaths, 19 Maternal deaths, 6 Casualty deaths.) At the end of the year 534 patients were in the hospital under treatment.

DEATH CLASSIFIED : Out of 1930 deaths 530 died within 24 hours of admission, 453 after 24 hours left within 72 hours of admission, 805 deaths took place after three days from the date of admission. 136 premature infants deaths, 6 died at casualty. The figures are exclusive of 192 still births and 74 neonate, 19 Maternal death. Death rate was 5.2 against 5.4 during the last year. Total no. of autopsies performed during the year under report was 531 against 468 and 403 for the year 1984 and 1983 respectively. Autopsy rate was 1.4 for the year 1985 as against 5.4 and 9.7 for the year 1984 and 1983. All these autopsies were performed by the Additional Coroner's surgeon.

Confinements : During the year under report the total number of confinements were 4850 and abortions 1471.

Operations : 7945 operations were performed on In-patients and 27493 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 156132 against 174764 in the year 1984 and 122058 in the year 1983. The total no. of out-patient attendance (New & Old) including casualty cases was 428281 bringing the average total attendance 1473 per day.

Casualty cases registered during the year were 57091 as against 52476 and 51068 during the year 1984 and 1983.

Medico-legal cases :

During the year under report the resident Medical Officers and casualty Medical Officers attended the following courts for giving evidence in the Medico-legal.

1. Presidency Magistrate courts	263
2. Sessions courts	53
3. Motor accident Tribunal	58
4. Other courts	4

During the year approximately 531 depositions were filled in the coroner's court.

Undergraduates from G. S. M. Collage are attending the department for training. Postgraduate seminars and discussions are being held periodically at least once a month.

FAMILY WELFARE DEPARTMENT

The family welfare department has been started at this hospital in April 1969, with a regular centre, dispensing family planning aids from 9.00 a. m. to 4.00 p. m. On all O. P. D. working days. During the year under report it has completed 16½ yrs. of services.

The staff consists of a full time Medical Officer, store keeper-cum clerk, attendant and a field worker. The following services are offered :

1. Distribution of condome.	12110
2. I. V. C. D. Insertions.	627
3. Oral contraceptive.	411
4. Other convention contraceptives like diaphram.	—
5. The Tubectomy : This includes puerperal sterlization both abdominal & vaginal.	728
6. Vasectomy.	27
7. The Medical Terminal of pregnancy is started from April 1974 and total M. T. P. done during the year under the report was.	711

The centre also conducts other regular programmes like Maternal Health educational programmed in addition to family planning information to antenatal and postnatal patients. It render guidance services to those who desire it.

Following are the figures of attendance :

1. New cases	2983
2. Condoms	12110
3. I. U. C. D.	627
4. Oral contraceptives (Tablet)	411
5. Tubectomies	728
6. Vasectomies	27
7. Diaphrams	—
8. M. T. P.	711
9. Applicator with Jelly.	—

IMMUNIZATION CENTRE

Polio :	1st dose	1580
	2nd dose	1432
	3rd dose	989
	4th dose	558
	5th dose	522
	Booster dose	318
Triple	1st dose	1222
	2nd dose	1432
	3rd dose	1189
	Booster dose	312
Tetanus :	1st dose	27201
	2nd dose	2577
	3rd dose	1368
		Total 31146
B. C. G. :	O. P. D.	2801
	Ward (In-patient)	2878
		Total 5679
Antirabic Treatment :		23032

PAEDIATRIC DEPARTMENT

During the year under report 13055 were treated in the Out-patient department and 2795 were admitted as In-patients.

Screening and Mantoux testing : These include respiratory cases and family contacts of those suspected or diagnosed as Tuberculosis Mantoux testing was done in about 13055 cases. Blood Transfusion no. of cases were 62.

PREMATURE BABY WARD

The paediatric department also manages a premature baby ward (Started functioning from Oct. 1971 with a capacity of 7 incubators and same is increased now to 10 incubators but actual figure ranges to 15 to 20 per day.

During the year under report 373 were admitted as In-patient and 133 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 1985.

Total Nutrition clinic days.	296
Total cases.	662
Feeding advice given	1641

DEPARTMENT OF MEDICINE

The Medical Department consists of two units and each unit is staffed with Honorary, Assistant Honorary and one Jr. A. M. O. two Registrars, three house-physicians. A diabetic clinic and a Gastroenterology clinic is run once a week in the morning. About 1589 diabetics (including new and old) are treated and followed up every week. Cardiology out-patients clinic is conducted on every Saturday to look after patients discharged from coronary care unit. This department has a staff of two registrars and three house officers.

The total no. of patients admitted during the year 1985, in the Medical units was 5876 (3715 Male, 2161 female) as 6725 in the year 1984 and 6840 in the year 1983.

Heart disease patients were treated in the Medical ward during the year 1985. 6454 E. C. G.s were taken during the year under report.

The O. P. D. attendance (new cases) was 20351.

I. C. C. U. : The department started functioning from 1-3-1975. The total no. of patients admitted during the year 1985 in I. C. C. Unit was 681.

T. B. clinic :	New cases	1868
	Old cases	27924
		<hr/>
		29792

Post graduate training in the department of Medicine of Dr. R. N. Cooper Hospital.

-
1. Daily teaching ward rounds.
 2. Weekly journal review meetings.
 3. Monthly clinical meetings.
 4. Weekly post-graduate clinics.
 5. Supervision of research activities of post-graduate students.
 6. Assessment of the post graduates teaching abilities.

Undergraduate teaching in the Department of Medicine of Dr. R. N. Cooper Hospital.

-
1. History taking and clinical examination of various systems.
 2. Management of common medical emergencies.
 - A. Poisoning.
 - B. Patients of metabolic coma.
 - C. Cardiac, neurological and other problems.
 3. Demonstration of ward procedures.
 4. Case discussion during ward rounds.
 5. Demonstration of interesting out-patient cases.
 6. Discussion on Related clinical Investigations.
 7. Discussion on therapy where applicable depending on the stage of students.
 8. Assessment of the students by reviewing their attendance, ward performance and ward examinations.
 9. The above teaching is done by the honoraries and registrars.

DEPARTMENT OF SURGERY

Department of surgery consists of two units each staffed with Honorary. Assistant Honorary, Two Registrars and two housemen in each unit. In addition there is surgical Jr. A. M. O. and surgical tutor. The no. of scheduled beds allotted to the surgical department is 15 in M. W. and 15 in F. W. for each unit. Surgical department is well equipped to manage both emergency and routine surgical problems. This institution also caters to the needs of other suburban hospitals, working for the cases. Minor surgery theatre is attached to the surgical O. P. D. Dressing department is attached to the surgical O. P. D. managed by Minor surgery Registrar with help of respective surgical unit.

Plastic Surgery : There are one Honorary Asstt. & two Housemen O. P. D. is conducted twice a week. They attend to Emergency calls specially for facial injury. They manage the Burns ward of 10 beds. The following is the account of work done in the dept. of surgery during the year.

1) Total New O. P. D. Attendance	11009
2) Total Admissions	4000
3) Operations : a) Major	2561
b) Minor	17895
c) Emergency	710
4) Total no. of patients treated in Minor Surgery.	17895
5) Total no. of Admission in I. C. U.	1344

DEPARTMENT OF PSYCHOLOGICAL MEDICINE

The department started functioning from 15-6-1977. It has 2 Honorary 3 Registrars, two House Officer, One social worker, One clinical Psychologist & One Occupational Therapist, One E. E. G. Technician, One Jr. Steno. The following is the statistical data of the work done during the year for the period 1985.

1. Total no. of O. P. D. patients (New)	4443
2. No. of O. P. D. conducted during the Month	174
3. Total no. of new and ref. cases examined during the month.	2086
4. Average attendance (New cases)	17
5. Average no. of new and ref. cases examined per O. P. D.	73
6. Total no. of patients treated with E. C. T.s new.	184
7. Total no. of patients treated with E. C. T.s old.	1417
8. Total no. of Insulin sittings conducted.	115
9. Average Insuline.	4
10. No. of Indoor patients	505
11. Total no. of patients treated	1092
12. Sex Education.	1092
13. No. of patients for psychological testing.	686
14. Testing sessions	1592
15. Total no. of sessions of counselling	924
16. Total no. of new social work.	605
17. Total no. of Individual sessions.	694
18. Family therapy no. of patients	113
19. Family therapy no. of sessions.	131
20. Total no. of patients referred to day care centre.	495
21. Average attendance at day care centre per day	11-12
22. Total no. of patients for C. G. C. New	50
23. Total no. of patients for C. G. C. — Old	91
24. Group therapy no. of New patients	84
25. Group therapy no. of total patients.	145
26. Marital therapy no. of patients	12
27. Marital therapy sessions.	10

DEPARTMENT OF ORTHOPAEDICS

Orthopaedic department consists of two Honoraries & two Assistant Honorary, two Registrars and two house officers, Following was the work done in the this department during the year under report.

Out door attendance	7405
Indoor admissions	2682 Tr. O. T.
No. of Operations	875 + 9598 — 10473

The department is well equipped to cope up with the large no. of trauma cases brought to the hospital. It is necessary to name a separate ward for paediatric ortho. patients.

ENT. NOSE AND THROAT DEPARTMENT

Ear, Nose and Throat department was started from June 1972. All the routine and emergency ear, nose and throat surgical procedures with constructive ear surgery and stapedectomy are now undertaken for which necessary operating microscope is available.

There are three O. P. D. and two operation sessions each week. All the routine investigations like caloric test and audiometry are carried out in the O. P. D. The following is the account of work done in the department during the year under report.

Total New O. P. D. attendance	4810
New Admissions	507
Operations	697

AUDIOLOGY AND SPEECH THERAPY DEPARTMENT

The functioning of the audiology and speech therapy unit started from 19-7-1976. The unit has a part-time Audiologist on its staff. The following is the account of work done during the year under report.

Audiograms	1001
Speech cases	72
	<hr/>
Total	1073

OPHTHALMIC DEPARTMENT

There are one Honorary, One Assistant Honorary one Registrar and two house surgeons on its staff. The following is the account of work done during the year 1985.

O. P. D. Attendance	5106
Total no. of admissions.	455
Total no. of operations	838

SKIN AND VENEROLOGY DEPARTMENT

During the year under report 8334 new cases were treated at the out-patients department and 141 were admitted as In-patient. The following investigations were carried out in the laboratory.

1. Skin Biopsy	250
2. Venereal disease	24679

Investigation : (H) clinic started from March 1974 and it functions on every Tuesday. During the year under report 192 new cases were treated in the out-patient department.

DENTAL DEPARTMENT

There are four part time surgeons, one staff nurse and one patients and general O. P. D. patients having dental complaints are also examined and treated.

The following is the account of work done in this department during the year 1985.

Total no. of patients examined	General O. P. D.	School clinic
No. of medications	4684	935
No. of dental extraction.	1972	1097
No. of scaling teeth	361	756
No. of X-rays recorded	199	8
No. of filling cement	40	135

SCHOOL CLINIC DEPARTMENT

A school clinic was started functioning from July 1973. It functioning in paediatric, ophthalmic aural and dental departments where medical examination of school children from suburban municipal school between Bandra and Borivali is done.

The common ailments found among the children were Malnutrition, Vit (A) deficiency, Anaemia, Respiratory infection, Scabies, Pyoderma, Pharyngitis. Tonsillectomy operations were performed on 80 cases in the year 1985.

Total no. of school children treated.

i) New	2798
ii) Repeat	10715
iii) Referred	134

The total expenditure on school clinic is Rs. 2,39,792.66. The details are as under :

1) Establishment	1,90,796.37
2) Contingencies & Miscellaneous	85.20
3) Medicine & instruments	5,771.27
Juhu Lions Dental clinic.	
1) Establishment	41,269.50
2) Medicine & Instruments	1,880.32
3) Labour Technical & others	13,451.30
4) Total expenditure of establishment	43,239.82

PATHOLOGY DEPARTMENT

Following investigations were done in the Pathology Department.

Investigations	Total No.
Biochemical	129267
Serological Khan Test.	11200
Haematological	32389
Histopathology	22939
Bacteriology	
1. Culture	7545
2. A. F. B. Smears & Diphtheria	7182
3. O. P. D. Laboratory routine work	126022
4. School clinic	3135

NURSING STAFF

Matron	1
Jr. Asstt. Matron	2
Sister Tutors	3
Ward sisters	28
Staff Nurses	157
Auxillary Nurses	65
Theatre Assistant	10
Health Visitors	2
Midwife Nurse	—

NURSING SCHOOL REPORT

First time in B. M. C. schools central selection of students nurses for the admission of three years general nursing course was started. In August 1985 twenty student Nurses batch was enrolled for 1st year General Nursing course. Students admissions for the course are admitted annually as per Maharashtra Nursing council's new policy.

There are 80 student nurses in the school. Midwifery Training course of six months duration was started first time from Sept. 1984 in this hospital and 20 students nurses have joined for midwifery Nursing course.

Nursing school results are 100%. Third year exam. was in December 1985 Valsamma Korah stood 2nd in Maharashtra. Midwifery exam. was in August 1985—20 students were appeared for it. Student Nurses actively participated in the T. N. A. conference which was held in October 9th, 10th. Activities of student nurses Association of 1985 were recorded in the diary & it was sent to state level. Smt. Mary Vargese was crowned. Continuous in service Education programme for nursing staff conducted by public Health Department in Dr. R. N. Cooper Hospital including all the nursing categories for example Matrons, Sister-in-charges & staff Nurses from Maternity & General Hospital — 1985 candidates attended this programme successfully. Mary C. P. student Nurse received Mayor's award of 1985.

Annual sports were held in June 1985. Nurses Annual Day function was celebrated on 7th June. WHO day was celebrated in the Nursing school and panel discussion on the theme & allocation competition of student Nurses organised. Diwali, Christmas and New Year was celebrated Rangoli and on the spot drawing competitions were held in the school and prizes were given.

Nursing services : Commissioner award was received by sister Bandekar & staff Nurse Pushpa Pandit. Nurses are sent to take further education in the Ortho. seminar, Mayor's award was given to Smt. Pushpa Pandit. WHO aided clinical demonstration centre (ORT) for the management of acute Diarrhoeal disease at Kasturba Hospital. Nurses have attended this work shop of two days.

Training of Medical students of G. S. Medical collage :

Medical students training started from July 1979 at Dr. R. N. Cooper Hospital. The following departments of this hospital have been recognised by the University for the purpose of undergraduates Teaching—Medicine, Surgery, Gy., & Obst., Paed., and Ortho., The students of G. S. Medical collage are attending the hospital from April 79 onwards. The following members of the staff have been recognised by the University as Postgraduate Teachers—Dr. R. D. Darne, Dr. D. K. Dastur, Dr. S. H. Shah, Dr. R. N. Katre, Dr. N. R. Shetty.

Expenditure out of Poor Box Charity Fund :

Besides the expenditure incurred from Municipal Funds sum of Rs. 4,24,577.66 was spent out of Poor Box Charity Fund in the year of 1985—86 as against Rs. 1,76,154.15 in the previous year. The amount was mostly spent on X-Ray Plates, costly drugs, Blood Transfusion, Provision of crutches, spectacles etc. for the Poor and deserving patients of the hospital.

Expenditure out of the Hospital Budget Grant :

Besides the total expenditure incurred on the maintenance of the hospital during the year 1985-86 including liabilities at the end of the year but exclusive of the cost on new works amount to Rs. 91,48,475 approximately. The expenditure was inclusive of cost of maintenance and treatment of In-patient, Out-patients and establishments, drugs on Medical Nursing Administrative and Labour staff as well as the cost of the staff for maintenance and repair of the building.

Special Activities

Gastroenterology was started from 1-6-1985 under Dr. Barve. Dr. Abraham A. P. Gastrology & General Medicine has given lecture on Infective Hepatitis on 29-8-1985 in Paediatric department.

'Chandana Ultra Sound Clinic' was inaugurated by Mr. Sunil Dutt M. P. on 30-7-1985 & was donated by Anuradha Arun Trust.

SUGGESTIONS

1) At present the hospital does not have separate ward for keeping sterilised patients of post-partum programme of Family Welfare Department as required by the Director of Health Services and Special Officer M. C. H. and Family Welfare. A proposal to this effect is being put up this year to provide separate sterilisation ward built out of the grant for post partum programme.

2) Gift shop on the lines of KEM Hospital for the convenience of the patients is required to be established in the hospital premises. Ward Officer K/West may be requested to built one shop after necessary consultation with Dy. C. E. (P. & D.).

3) The open space around the hospital has to be developed early as rank vegetation problem all round the quarters and hospital is recurring.

4) Compound wall needs repairs and budget provision is to be made in the same in the next year.

STATEMENT

Revenue out of Poor Box Charity Fund during the year under report.

Months 1985	X-Ray Collection	E. C. G. Collection	Certificate Collection	Donation Collection	Total Collection.
January	44,227.00	4,065.00	2,216.00	2,750	53,258
February	47,805.00	2,870.00	3,560.00	3,071	57,306
March	48,442.00	4,240.00	833.00	200	53,715
April	49,310.00	3,940.00	1,474.00	1,100	55,824
May	50,482.00	3,540.00	1,017.00	975	56,014
June	41,023.00	3,480.00	679.00	610	45,792
July	53,832.00	3,975.00	853.00	1,020	59,680
August	54,118.00	3,770.00	2,183.00	840	60,911
September	48,853.00	3,860.00	1,733.00	1,070	55,516
October	52,857.00	4,800.00	2,256.00	900	60,813
November	48,485.00	4,810.00	1,800.00	950	56,045
December	44,725.00	5,095.00	2,030.00	1,050	52,900
Total Rs.	5,84,159.00/-	48,445.00/-	20,634.00/-	14,536/-	6,67,774

Inspection carried out by the University of Mumbai & Medical Council of India at Dr. R. N. Cooper Municipal General Hospital, Juhu during 1985.

1) Local Enquiry Committee headed by Dr. C. J. Mistry alongwith Dean 'G' inspected Dr. R. N. Cooper Hospital on 23-8-1985 for continuation of recognition of the departments of General Surgery, General Medicine, Obst & Gynaec, Paed. Orthopaedic & also for considering other recognition to the department of skin, Ophth, E. N. T. & Psy. vide No. AFF/RECOG/9771-75 of 16-8-1985 The report of Inspection Committee of the University is awaited.

2) Dr. Miss. Kamble inspected the department of Ophthalmology for the purposes of recognition on 18-10-1985 vide No. AFF/RECOG/12010/ of 1985 dated 12-10-1985. The report is awaited.

3) Dr. H. G. Doctor visited on 14-10-1985 vide University No. PG/4268 of 1985 dated 23-8-1985 in connection with recognition of two posts of Registrars & two posts of House Officers created for surgical unit to handle emergency case. The report is awaited.

4) The inspection team of the Medical Council of India comprising of Dr. S. L. Agarwal & Dr. P. S. Agarwal inspected the hospital alongwith Dean G, Dr. G. B. Parulkar on 2nd, 3rd and 4th January 1986. The report is awaited.

ANAESTHESIA DEPARTMENT

Anaesthesia department of Dr. R. N. Cooper Municipal General Hospital, Juhu has the following staff on its establishment Dr. U. V. Desai, Honorary Assistant. Anaesthetist appointed from 10-1-1977.

Since date 1-9-1978 Dean (G) has been deputing six registrars and six lecturers to manage the workload of the hospital. This arrangement has been working very smoothly under the guidance of Dean (G).

Special Acknowledgement : Due to the persistant efforts and guidance of Dean (G) Dr. G. B. Parulekar, the number of posts of registrars and house officers recognised for the purpose of post-graduate studies in the various departments of Dr. R. N. Cooper Municipal General Hospital, Juhu has been increased. The list of recognised post is given below :

Sr. No.	Department	Category	No. of post recognised
1.	Gen. Medicine	Registrar	4
2.	I. C. C. U.	"	2
3.	Psychiatry	"	2
4.	Skin & V. D.	"	1
5.	Paediatrics	"	4
6.	Neonatology	"	1
7.	Gen. Surgery	"	2
8.	Gen. Minor O. T.	"	1
9.	E. N. T.	"	1
10.	Ophthalmic	"	1
11.	Burns & Plastic surgery	"	2
12.	Orthopaedics	"	4
13.	Obst. & Gynaec	"	3
14.	Anaesthesia	"	1
15.	Pathology	Reg. Pathologist	2
16.	Radiology	Reg. Radiologist	1
17.	Gen. Medicine	House Officer	5+1 recog. previously
18.	I. C. C. U.	"	3
19.	Psychiatric	"	2
20.	Skin & V. D.	"	2
21.	Paediatric	"	6 "
22.	Gen. Surgery	"	4 "
23.	Neonatology	"	2 "
24.	E. N. T.	"	1+1 "
25.	Ophthalmology	"	1+1 "
26.	Burns & Plastic surger	"	2 "
27.	Orthopaedics	"	4 "
28.	Obst. & Gynaec	"	4+2 "
			68 + 5

MUNICIPAL CORPORATION OF GREATER BOMBAY

Name of the hospital — Dr. R. N. Cooper Municipal General Hospital, Juhu.

Year — January 86 to April 86

	Medical	Surgical	Paediatric	Gynaec.	Orthopaedic	
Bed strength Departmentwise	90	90	60	90	60 + 10*	
Occupancy bed strength (January to April).	9884	13354	5147	10773	14916	
Average occupancy per day Departmentwise.	82	112	43	90	124	
Average stay departmentwise (days)	6 days	11 days	4 days	6 days	20 days	
O. P. D. attendance (January 86 to April 86) (New & Old).	34082	18578	15655	11217	11728	
Average per day.	342	186	157	113	118	
Mortality rate per day.	1.60	0.97	0.92	0.03	0.15	
Operations : Major	—	569	—	393	316	
Average per day.	—	8	—	7	5	
Minor.	—	2891	—	464	3710	Tr. O. T.
		C. L. W.		Family -Planning		
Casualty Attendance/Day	165 per day					
i) Medico legal	8066	70				
ii) Non-Medico legal	10121	90				

CLINICAL DEPARTMENTS

Prema- ture	E. W. T.	Ophth- almic	Skin	I. C. U.	I. C. C. U.	Burns	Psychiatry	T. B.
10 Cradles	30	30	30	10*	10*	10*	30	
802	955	1751	548	1014	758	1045	2286	
7	8	15	5	9	7	9	20	
1 Month	4 days	8 days	15 days	3 days	5 days	10 days	15 days	
—	8976	9144	11876	—	—	—	7388	17170
—	90	92	119	—	—	—	74	143
0.35	—	—	—	0.31	0.48	0.27	—	
—	214	330	—	170	—	93 plastic	—	
—	7	8	—	—	—	6 Surgery	—	

APPENDIX — I

Statement showing the distribution of beds according to the departments.

Departments	Bed strength at present allotted
Medical	90
Surgical	90
Orthopaedic	70
Peadiatric	60
Gynaec.	90
E. N. T.	30
Ophthalmic	30
Psychiatric	30
Skin	30
	520

Under sanction No. MDG-4559 of 8-2-1985.

APPENDIX — II

Statement showing the particulars of Indoor and Out-door patients no. of operations performed etc. during the year 1985. 1984 & 1983.

Particulars	1985	1984	1983
A) In-patients :			
1. Schedule Bed strength.	520	520	520
2. Daily average no. of In-patients.	516	475	502
3. Daily average no. of Admissions.	110	102	100
4. Total no. of new In-patients admitted.	29995	27715	27619
5. Average no. of days each patient was resident.	7	7	7

Particulars	1985	1984	1983
B) Out-patients :			
1. Total no. of new-out patients attended.	156132	174764	122050
2. Daily average no. of new out-patient.	450	585	395
3. Total no. of out-patients Attendance (New & Old).	371190	336079	321779
4. Daily average no. of Out-patients attendance (New & Old).	1473	1300	1200
5. No. of casualty patients.	57091	52476	51063
C) Operations :			
1. Total no. of Operations: on Inpatients.	6325 + 1620 F.P.	5700 + 1596 F.P.	5448 + 1693 F.P.
2. Total no. of operations on Out-patients.	27493	27311	29311

APPENDIX III

Statement showing the In-patients treated in Dr. R. N. Cooper Municipal Gen. Hospital, Juhu during the year 1985 with the classification according to departments, discharge and deaths.

Department	In the Hospital mid night of 31-12-84.	Admitted During the year 1985.	Total Treated *	Discharge during the year 85	Died	In the hospital by mid night of 31-12-85.
Medical	82	5876	30828	5353	538	67
Surgical	100	4000	37415	3799	186	120
Gynaec.	80	7315	37729	7292	19	99
Paed.	38	2795	15682	2340	453	40
Premature	5	373	2464	231	136	11
Ortho.	113	2682	40000	2639	32	124
E. N. T.	13	507	2869	511	—	9
Ophth.	8	455	4752	451	—	12
Skin	4	141	2086	139	1	5
I. C. C. U.	4	681	2240	498	179	8
Psy. wd.	25	505	7720	505	—	25
I.C.U.	12	1344	2985	1127	220	9
Burns	9	369	2921	184	184	10
	493	27043	189491	25089	1943	534

Maternal Death	—	19
Neonatal Death	—	74
Casualty	—	6
Still Birth	—	192

APPENDIX IV

Statement showing the Out-patients (New and Casualty) in Dr. R. N. Cooper Mun. Gen. Hospital, Juhu during the year 1985 classification according to the Dept. Sex.

Department	Sex	New OPD	Casualty
Medical	Male	11638	4574
	Female	8700	2714
Surgical	Male	3761	22367
	Female	2910	7235
	M/ch	2452	3516
	F/ch	2129	2584
Gynaec.	Female	12229	2718
Orthopaedic	Male	2737	1263
	Female	1949	740
	M/ch	1499	466
	F/ch	1229	346
E. N. T.	Male	1691	495
	Female	1369	261
	M/ch	958	159
	F/ch	792	98
Ophthalmic	Male	1854	534
	Female	1498	331
	M/ch	974	113
	F/ch	780	64
Dental	Male	1309	152
	Female	1323	148
	M/ch	891	36
	F/ch	791	25
Paediatric	Male/ch	7342	3259
	Female/ch	5682	2348
Skin	Male	3065	277
	Female	2119	190
	M/ch	1737	60
	F/ch	1413	51
Psychiatric	Male	1669	35
	Female	1391	18
	M/ch	788	1
	F/ch	645	—
T. B.	Male	879	4
	Female	661	3
	M/ch	188	—
	F/ch	146	—
		99041	57091

APPENDIX V

Statement showing the relative cost per In-patient and Out-patient per day during the year 1985. As per Productivity Department's suggestion the cost per patient proforma is given as below.

Particulars	Average per day
Total variable cost per Inpt. per day.	25.03
Total variable cost per Outpt. per day.	1.15
Total Fixed cost per Inpt. per day.	41.98
Total Fixed cost per Out-pt. per day.	3.10

SHRI H. B. M. G. HOSPITAL, BORIVLI, BOMBAY—92.

HO/891/BH of 22-1-1986.

"Sub. : Administrative Report for 1985 to be incorporated in M. C.'s administrative Report for 1985-86.

"Ref. : Your No. HO/81544/RI of 20-1-1986,

M. C.

Director

P.H. & C.A.S.

H. O.

So far as this hospital is concerned the required information is furnished herewith, for the year 1985-86.

(1) High lights.		
I Expenditure Total.	:	Rs. 18085920—00
A. (1) On in-patients.	:	Rs. 12057280—00
(2) On out patients.	:	Rs. 6028640—00
B. Average cost per		
(1) Inpatient per day.	:	Rs. 109—41.
(2) out patients per day.	:	Rs. 33—63.
II. Results In patients		
A. (1) Schedule Bed strength	:	300
(2) Daily average in patients in wards.	:	212
(3) Admissions including those brought over from previous year.	:	14712
(4) Number of patients discharged		
As.		
(1) Relieved.	:	11636
(2) as cured.	:	1736
(3) Otherwise.	:	257
(4) Expired.	:	847
(5) Remained in the hospital on the last day of the year.	:	236
(6) Daily average number of admissions.	:	40
(7) Average stay of in patients (In days).	:	7 days.
(8) Highest number of in patients in a single day.	:	260
B. Out patients.		
1. New out patients attendance.	:	250297
2. Daily average number of new out patients.	:	685
3. Highest O. P. D. attendance on a single day.	:	850
4. No. of casualty attendance.	:	25583
C- 1. Operations on in-patients.	:	6206
2. Operations on out patients.	:	7827
D.— Confinement.		
1. Booked cases.	:	1095
2. Emergency cases.	:	432
3. Normal.	:	1115
4. Abnormal.	:	388
5. left before delivery.	:	9
Neo-natal and natural deaths.		
1. Maternal deaths.	:	5
2. Neo-natal deaths.	:	12
3. Still Birth.	:	58
4. Premature live born infants.	:	92
Specialised treatments.		
1. Sterilization (Male)	:	180
2. Sterilization (Female)	:	468
3. Coper T. (Inserted)	:	210
(IV) Disease wise distribution of cases treated and deaths including tuberculosis & S.T.D., of all forms, There should also be death of food poisoning cases.		
(1) S.T.D. Cases.	:	2760
(2) Food poisoning cases.	:	35
(3) Tuberculosis	:	775
(4) death	:	13

(1)	Electrocardiography Deptt.		
	1. No. of E.C.G. taken.	:	2947
(2)	Physiotherapy/Occupational		
	Total cases treated.	:	29113
(3)	Radiology		
	1—Total No. of X-Rays taken.	:	25435
	(ii) Total No. of screening cases	:	Nil
(4)	Blood Bank.		
	(i) Total No. of Bottles collected	:	2110
	(ii) Professional donors.	:	Nil
	(iii) Brought from other hospital.	:	217
	(iv) Relative donors.	:	346
	(v) Voluntary donors.	:	1459
	(vi) Bottles supplied.	:	575
	(vii) Bottles dispatched.	:	1441
	(viii) Sent for dry plasma.	:	130
(5)	Mobile Dispensary.		
	(1) Total No. cases treated during the year 1985.	:	7904
(6)	Medical Record Deptt.		
	(i) Total cases attended by doctors in court.	:	75
	(ii) Total Medical certificates issued to patients.	:	1818
	(iii) Medico Legal Cases.	:	12882
	(iv) Medical Certificates issued to various police stations.	:	1089
(7)	Ambulance Services.		
	(i) Total No. of calls attended.	:	728
	(ii) Amount collected by Ambulance	:	Rs. 2346/-
	(iii) Total free calls attended.	:	1020
(8)	Hearse Services.		
	(i) Total No. of calls attended.	:	730
	(ii) Amount collected by Hearse.	:	Rs. 21724/-
	(iii) Total free calls attended.	:	16
(9)	Social Services.		
	(1) Free Spects.	:	190
	(2) Dark glasses supplied on deposit basis from voluntary Donor.	:	15
	(3) Supplied appliances cases (Ortho)	:	64
	(4) Medical aid to the patient.	:	500
	(5) Supplied spects (free) to the patients.	:	15
	(6) Babies handed over to beggar home for destitute children.	:	1
	(7) Non Scheduled drugs from voluntary donor.	:	110
	(8) Councilling poisoning cases.	:	6
	(9) Guidance to the patients of mentally Retaired children.	:	10
(10)	Pathology Department.		
	1. Clinical pathology Investigation including serology.	:	6218
	2. Bio-chemical Investigations.	:	5414
	3. Blood grouping and cross matching cases.	:	3101
(11)	Anti-Rabic Treatment.		
	1. Total No. of patients treated.	:	22333
(12)	School Clinics.		
	1. Total No. of cases treated during the year 1985.	:	8288
(13)	Psychiatric Department.		
	1. Total No. of cases treated.	:	7070
(14)	Dental Deptt.		
	1. Total no. of cases treated.	:	9008
(15)	Anaesthesia Deptt.		
	1. Total no. of cases treated.	:	14033
(16)	Audiology Deptt.		
	1. Total no. of cases treated.	:	847
(17)	Poor Box Fund.		
	1. The collection in the boxes of poor box fund during the period from 1-1-1985 to 31-12-1985.	:	1483-85.
	2. Purchase of non scheduled drugs and orthopaedic appliances.	:	136849-81
(18)	Certificates.		
	1. Total No. of Medical Certificate of defferent types issued to patients.	:	14700
(19)	Dispensary.		
	Total No. of patients attended.		
	(1) Out patients.	:	250297
	(2) In-patients.	:	77420

(20) Family Welfare Centre.

A family planning centre is run for the benefit of patients attending the hospital.

(1) Vasectomy operations performed	:	180
(2) Sterilization operations performed.	:	468
(3) Coper T. Inserted.	:	210
(4) Total No. of oral pills given to patients.	:	163
(5) Total No. of condom given, to patients.	:	15720
(6) M. T. P.	:	241
(21) Special facilities for Municipal Employees.		
Separate counters have been kept reserved at the Registration deptt., Dispensary for the Municipal staff.		
(22) Library.		
Total No. of new books purchased.	:	78
Total Books.	:	330
(23) Interns.		
Graduates from L. T. M. G. Hospital are allowed to undergo internship training at this hospital.		
		231
(24) Immunization.		
Total Cases.	:	8958
(25) Leprosy Clinics.		
Total Cases.	:	156
(26) T. B. Clinics.		
Total New cases.	:	775

APPENDIX—I

Total No. of patients treated department wise at O. P. D. & I. P. D. Including remaining as on 31/12/1985.

Sr. No.	Name of the department Department of	Patients treated at O. P. D. Deptt.	Patients treated at I. P. D. Deptt.
1.	Medical	40212	3511
2.	Surgery	35301	2702
3.	E. N. T.	13709	838
4.	Ophthalmology	11404	432
5.	Skin & V. D.	20102	5
6.	Paediatrics.	36304	2304
7.	Orthopaedics.	13302	1352
8.	Gyn. & Obst.	38302	3566
9.	Dental.	9008	—
10.	Psychiatry.	7070	2
11.	Casualty Deptt.	25583	—
Total.	—	250297	14712

APPENDIX — II

Distribution of Beds.

Sr. No.	Department	Male	Female	Children	Total
(1)	Medical	30	18	...	48
(2)	Surgical	35	17	...	52
(3)	Gyn. & Obst.	...	75	...	75
(4)	Ortho.	10	25	...	35
(5)	E. N. T.	15	10	...	25
(6)	Ophthalmic	15	10	...	25
(7)	Paediatrics	...	...	35	35
(8)	Casualty	...	...	...	5
(9)	Total	...	...	...	300

SHORT NOTE :—

The late Shri Harilal Bhagawati donated a piece of land to the Municipal Corporation in the year 1962 for construction of the hospital so as to provide Medical relief facilities to the people staying in the Northern end of the city. Foundation stone was laid by Shri Marotrao Kannamwar the late chief Minister of Maharashtra on 1st September 1965 and the hospital was inaugurated by Shri Morarji Desai, the then Deputy Prime Minister of India on 4th February 1968. Originally the hospital started with 50 beds with only two wards, one for females and another for males. There was a unit of two operation Theatres and laboratory for routine pathological-examinations. In the year 1971 paediatrics ward with 30 beds was added and the bed strength of the existing wards was increased by 10 each making the total bed strength to 100. In the year 1975 expansion activities started at the hospital and all specialised departments such as Gyneec., and Obsterics, E. N. T. Ortho. Ophthalmic and Skin and V. D. Radiology Pathology Anti Rabic-Immunization Audiology and speech Therapy, Poor Box charity fund, Dispensary, Family planning centre special facilities to Municipal Employees Laboratory, Internship for post Graduate, etc., were gradually raising the total bed strength to 300. The No. of operation Theatres was also increased to 7. We have now 2 of operations Theatres. Two skills have been air-conditioned.

The Blood Bank at the hospital was put into commission in August 1977. It is working round the clock on receipt of donation form the Lions Club of Borivli (W).

It has been named after Shri Keshavlal Jethuchand Bhonsali lion Blood Bank on 24 June 1979.

The hospital had no casualty Department and cases of accidents etc., were therefore, directed to Dr. R. N. Cooper Hospital. The casualty Department at the hospital was put into commission from 25th May 1978.

Part time Dental Clinics started at this hospital from March 1978 School Clinics started from 3rd March 1980. Psychiatrics department from 8th September 1980.

The following Departments and services exist at the hospital.

Department.	Bed strength
1) Medicine.	48
2) Surgical.	52
3) Orthopaedic.	35
4) E. N. T.	25
5) Ophthalmic.	25
6) Gyanec & Obst.	75
7) Paediatrics.	35
8) Casualty.	5
	300
9) Skin & V. D.	...
10) E. C. G. Department.	...
11) Radiology department.	...
12) Pathology department.	...
13) Blood Bank (Round-the clock).	...
14) Occupational Therapy and physio Therapy (Part-time).	...
15) Dental clinics (Part-time).	...
16) Medical Record department.	...
17) Social Service Department.	...
18) Family Welfare Centre.	...
19) Immunization Centre.	...
20) Mobile dispensary.	...
21) Ambulance service & Hearse service (Round the clock).	...
22) School clinics.	...
23) Psychiatric department.	...
24) Audiology and speech Therapy Department.	...
25) Poor Box Charity Fund.	...
26) Library (Department).	...
27) Leprosy Clinic.	...
28) T. B. Clinic.	...
29) Nursing Training School.	...

This hospital has the facilities of supply of liquid Petroleum Gas through pipes to kitchen and ward pantries for which a Gas tank with 10 Metric tonnes capacity has been installed in the compound of the hospital, the facility of centralised supply of medical gases and suction systems has been installed and started function.

Nurses Training school is started for 60 student nurses at this hospital in the 1981 and necessary construction have been completed for classroom, laboratories with built in furniture facilities. There are three buildings for residential quarters in all 40 Blocks the hospital, which accommodated essential staff.

Mortury department at this hospital was put into commission from 6th May 1983 and major repairs of this hospital was started from 5th May 1984. Leprosy clinic was put into commission from 23rd July 1985.

Dr. (Smt.) S. K. Saraf.
 Medical Superintendent,
 Shri H.B.M.G. Hospital,
 Borivli, Bombay — 92.

CITY ENGINEER'S DEPARTMENT

HIGH LIGHTS

1.	A) EXPENDITURE		(Rs. in crores)
	Expenditure incurred		
	1. On execution of loan works		25.58
	2. On execution of Revenue works		5.54
	3. On establishment		35.77
	4. On other heads :		
	a) From Loan works budget		5.68
	b) From Revenue Budget		11.09
	B. Revenue Earned		11.13

2. **ACHIEVEMENTS**
1. Building Construction Branch :

	Completed		In progress	
	Bldg.	T/s	Bldg.	T/s
a) Housing tenements	—	3	—	10
b) School buildings	4	—	3	—
c) Markets	3	—	1	—
d) Hospitals, Maternity Home, Dispensaries	12	—	12	—
e) Other bldg. works	23	—	29	—

2) Building proposal Branch :

	Under Sec. 337 Nos.	Under Sec. 342 Nos.
a) Residential Bldg. Proposals		
i) Received	1565	1127
ii) Approved	826	708
b) Non-Residential Bldg. Proposals- 473		
c) Residential buildings constructed (Nos. of tenements are shown in brack		

By Private parties	By Co-op. Societies	By employees for Staff
679 (10926)	145 (3059)	43 (628)

d) Non-residential building constructed by private parties 129

3)	SLUM IMPROVEMENT BRANCH :	
	i) Colonies covered for improvements	82
4)	CIVIL & ENVIRONMENTAL SANITATION & PROJECT :	Nos.
	i) Air pollution complaints attended	519
	ii) No objection certificate issued	156
	iii) proposal concerning factory administration	744
	iv) Proposals for registration of electrical furnances and ovens.	55
	v) No. of samples collected and analysed at Monitering Stations.	92809
5)	MAINTENANCE OF MUNICIPAL PROPERTIES :	
	i) Buildings Nos.	2588
	ii) Works carried out through P.W.C.	1971
6)	SUPERVISION OF PRIVATE BUILDINGS AND FACTORIES :	
	i) Notices under different sections of the Act :	
	a) Issued	2618
	b) Complied with	1144
	c) Pending	1474
	ii) Unsafe buildings or portions thereof removed by the Corporation under Section 489 of the Bombay Municipal Corporation Act . . .	7

iii) Authorities granted to the tenants under Section 499 of the Bombay Municipal Corporation Act.	88
iv) Tenants who took advantage of the authorities.	820
v) Actions taken against unauthorised structures	16841
vi) Unauthorised structures removed by	
a) Parties	456
b) By the Corporation	3596
c) Cases where actions are dropped	267
vii) Factory permits issued	1563
viii) Prosecutions launched	2382
ix) Prosecutions decided in favour of the Corporation.	1219

7)

SOLID WASTE MANAGEMENT

1) Refuse & other waste materials (removed in tonnes)	16.92 (lakh tones)
2) Total vehicles employed for removal of refuse	253466
3) Public latrines maintained	1103
4) Urinal stalls maintained	1025
5) Welfare Centres for the Conservancy employees	30

**MECHANICAL & ELECTRICAL DEPARTMENT
HIGH LIGHTS**

I—A—Expenditure	(Rs. in Crores).
1. On execution of Loan works	1.05
2. On execution of Revenue works	0.63
3. On Establishment	0.58
4. On other heads	
a) From Loan Works Budget	Nil
b) From Revenue Budget	0.03
B) c) Revenue earned	0.005

B)

II ACHIEVEMENTS

1. Mechanical Branch	
a) Jobs attended by	
i) Workshop	1099
ii) Foundry	146
iii) Washing service rendered by Municipal Power Laundry	52 Medical institutes
2. Electrical Branch	
i) Building Construction section works by contract	
a) Completed	26
b) In progress	48
ii) Plant and Machinery section	
Jobs executed (a) Departmentaly	389
(b) Through contract.	98
iii) Refrigeration section works by contract	
a) Complete	102
b) In progress	1

**CHIEF ENGINEER [RDS. & (S.W.D.)] DEPARTMENT
HIGH LIGHTS**

(Rs. in crores)

(A) EXPENDITURE :	
1. Expenditure incurred on execution of works from Loan Works Budget	2.01
2. Expenditure incurred on execution of works for maintenance of properties etc. from revenue budget	5.38
3. Expenditure on establishment	7.77
4. Expenditure on other heads	
i) From Loan Works Budget	0.35
ii) From Revenue Budget	2.28
TOTAL	17.79
(B) Revenue earned by the Deptt. during the year.	1.05

II. ACHIVEMENTS ROAD CONSTRUCTION BRANCH

	No of works completed	No of works in progress
1. Road resurfacing in asphalt concrete	13	9
2. Road resurfacing in cement concrete	3	5
3. New roads including S. W. Drains	—	10
4. Road widening	14	8
5. Any other works	10	30
6. Storm water drains	2	4
7. Nallas	7	2

MAINTENANCE OF MUNICIPAL ROADS

1. Roads (in km.) : 1525.52
2. Works carried out: 1150 Nos.
through PWC

CHIEF ENGINEER (DEVELOPMENT PLAN) DEPARTMENT HIGH LIGHTS

	(Rs. in crores)
I (A) EXPENDITURE	
1) Expenditure incurred on execution of works from Loan Works Budget.	NIL
2) Expenditure incurred on executive of works for maintenance of properties etc. from Revenue Budget.	NIL
3) Expenditure on Establishment	0.20
4) Expenditure on other heads	
i) From Loan Works Budget	2.33
ii) From Revenue Budget	NIL
(B) Revenue	
Revenue earned by the Department during the year.	NIL
II. Achievement	
1) Acquisition of Land	
a) Land Acquisition proceedings initiated & Award declared	6
b) Land Acquisition proceedings in progress	4
c) Possession of Govt. properties taken	3
2) Fixation of Standard Rent of Municipal Properties	27
3) Town Planning Schemes in Greater Bombay	33
4) Proposals initiated for modifying the Development Plan Reservations	48

DIRECTOR (CENTRAL TRAINING INSTITUTE & RESEARCH CENTRE) HIGH LIGHTS

	(Rs. in crores)
I (A) Expenditure	
1) Expenditure incurred on execution of works from loan Works Budget.	NIL
2) Expenditure incurred on execution of works for maintenance of properties etc. from Revenue Budget.	NIL
3) Expenditure on Establishment	0.11
4) Expenditure on other heads	
i) From Loan Works Budget	0.01
ii) From Revenue Budget	NIL
(B) Revenue	
Revenue earned by the Department during the year.	NIL
II ACHIEVEMENT	
1) Training Programmes conducted	36
2) Training Programmes on cathodic protection & sewer cleaning & maintenance, for Govt. of India.	2
3) Seminars/Workshops conducted on different topics	7
4) Project studies undertaken to suggest improvement in the systems/organisations.	23

DY. CITY ENGINEER (PLANNING & DESIGN)

This branch is headed by Deputy City Engineer (Planning and Design). The main activities of this branch are as follow :

1. Preparation of layout and detailed plans for the Municipal Buildings, Gardens etc.
2. Invitation of tendere and awarding contracts for
 - a) Construction of Municipal Buildings for different services.
 - b) Structural and major repairs to old building
 - c) Specialised waterproofing to terraces and sanitary block of Municipal buildings.
 - d) Annual Ward Petty Work Contracts.
 - e) Annual propping work contracts.
 - f) Supply of drawing materials.

The details of works carried out during the year under report are as under :—

Administration Report for the period 1-4-1985 to 31-3-1986

Sr. No.	Particulars	General Bldg. Works		Housing		Slum Improvement		P.W.C.	Annual contract drawing material	Annual propping contracts to Munl.	Providing furniture proper- ties and construction of compound walls.	Waterproo- fing treat- ment to Munl Properties and con- struction of walls.
		City	Sub & Extd. Subs.	City	Subs	City	Sub					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1.	Cloth tracing	—	—	—	—	—	—	—	—	—	—	—
2.	Paper tracing (General Drgs.)	—	500	—	—	—	—	—	622	—	—	—
3.	Blue Print copies	—	45000	—	—	—	—	—	2000	—	—	—
4.	Block estimates	19	2	10	—	—	—	—	—	—	—	20
5.	Amount of block estimates (in crores)	6.07	1.74	1.83	—	—	—	—	—	—	—	0.80
6.	Detailed plans and estimates.	31	11	10	12	—	—	—	—	—	9	26
7.	Amount of detailed estimates (in crores)	4.19	1.37	2.05	0.10	—	—	—	—	—	0.15	1.72
8.	Contract awarded (in crores)	1.84	2.9	—	—	—	—	33	5	11	0.18	1.51
9.	Detailed estimates in hand	3.43	10	0.91	1	—	—	—	—	—	—	10
10.	Approximate cost of detailed estimates in hand (in crores)	—	3.00	0.3	—	—	—	—	—	—	—	2.44

Executive Engineer (Building proposal) Repairs and Reconstruction.

1 E.E., 3 A.Es, 4 S. Es. are working in this office under the control of Dy. C. E. (City).

The Repair Cell is created in the year May 1970 for doing such work as will help the members representing the Corporation on B. H. & A. D. Board to play their role effectively and also to collect such information as they may need for giving effect to the provision of B. M. C. Act — concerning the repairs action as mentioned under Section 102 of M. H. & A. D. Act.

A Cell consisting of 1 E.E., 1 A. E. and 1 S. E. was created from 25-1-1985 for examining and expediting disposal of various proposals received in the B. P. Section City, Eastern and Western Suburbs for Slum Redevelopment Schemes. As per Govt.'s recent policies, a number of reconstruction and redevelopment proposals are being received every day. There are number of slum colonies in Greater Bombay on Municipal land, Govt. land and private land.

In view of Govt. policy of granting repairs permissions as early as possible to the cessed bldgs., this work is also entrusted to the Ex. Eng. S. R. C. of Slum Redevelopment Scheme created on 25-1-1985. The staff of 2 A.Es. and 3 S. Es. working under repair cell are therefore attached to the S. R. C. the work of granting repairs permission under Section 342 of B. M. C. Act which was being attended by E. E. B. P. (City) is now being attended by this newly created cell.

The broad features of the work done by the staff working in this cell during the year from 4-1985 to 31-3-1986 are as under :—

- (1) Scrutiny of draft scheme submitted by the Board for reconstruction of buildings (18 Nos.).
- (2) Site Inspection, location of buildings which are to be undertaken for structural repairs (495 Nos.).
Such inspections are necessary to determine the admissibility of structural repairs for building viz., affected by D. P. Reservation, proposed Regular Line of roads widening of roads scheme etc.
- (3) Replies to interpellation, short notice question and Notice of Motion by the members in the Corporation and in the different Committee of Corporation, replies to Assembly started question referred to by the State Govt. etc.
- (4) Approvals for repairs to ceased building and permission for repairs are given to the proposals referred to by Bldg. proposal Section. (243 Nos.)
- (5) Scrutinizing the feasibility of Slum Redevelopment Schemes — 60 Nos.

S L U M S

Since establishment of the Slum Improvement Cell in 1969, the work of providing civic amenities in different hutment colonies has been continued under the programme of environment of slum. A grant of Rs. 144.32 lakh has been received during the year from B. H. & A. D. Board by way of reimbursement of the expenditure incurred on the basic amenities provided in various slums during the year.

The amenities benefiting a population of about 1,00,000 were provided in slum colonies under the Slum Improvement Programme during the year. The Corporation have provided 402 number of W.C./A.P. seats, 2,11,006 sq. m. passages and 54,652 R. M. drain and 37 number of taps and street light 20 poles in various slum.

In addition to basic amenities, the Corporation have provided additional amenities such as 3 number of Schools, 1 Dispensary in slum area.

A — Works completed during the year.

(i) Slum Improvement works of basic amenities No. 74

(a) No. of colonies on Municipal land.	50
(b) No. of colonies on Govt. land.	16
(c) No. of colonies on Pvt. land.	8
	74

(ii) Slum Improvement work of additional amenities No. 1.

B — Works in progress during the year.

(i) Slum Improvement work of basic amenities No. 4

(a) No. of colonies on Municipal land.	2
(b) No. of colonies on Govt. land.	2
(c) No. of colonies on Pvt. land.	Nil
	4

(ii) Slum Improvement work of Additional amenities 3.

ENVIRONMENTAL SANITATION AND PROJECTS DEPARTMENT

The Department works under the overall supervision, guidance and control of the Dy. City Engineer (Civil), Environmental Sanitation and Projects.

The activities of various sections of this Department during the year are as follows :—

1. Enforcement Section

A — Air Pollution Control

This section is concerned with factory administration and licensing from air pollution angle.

During the year 1474 cases were dealt with as under :—

(i) Air Pollution Complaints.	519
(ii) No Objection Certificates.	156
(iii) Proposals for renewal of permits/Licences, additional power, change of fuel, etc.	744
(iv) Registration of Electrical Furnaces/ovens.	55

Total : 1474

Air Pollution Abatement fees amounting to Rs. 53,00,000/- were collected from various industries during the year.

B — Water Pollution Control.

A No. of industries are discharging their industrial effluent into municipal drains and sewers, *nallas*, etc. without treatment causing nuisance. Action against such industries is inevitable.

Accordingly, scrutiny of such industries has been started and requisite information is called for to assess the quantity and quality of effluent. Consent of M. P. C. Board is also insisted upon.

The industries are directed to submit proposals for arrangement for effluent treatment and disposal with reference to the consent characteristics. Such proposals are scrutinised and the industries are directed to provide Effluent Treatment Plants (ETP) wherever necessary.

The industries proposals for renewal of permit/licence, additional power, additional water quota, etc. are considered on grounds of steps proposed to be taken by them for effluent treatment.

If the industry fails to comply with requirements in respect of effluent treatment and disposal, suitable action is initiated. With the effective persuasion and motivation of this Department many industries are coming forward to executive scheme for treatment and disposal of effluent.

During the year under report 24 N. O. Cs for construction of Effluent Treatment Plants (ETP) were issued by this Department. Besides, 4 N. O. Cs for commissioning of the plants constructed were issued.

2. Emission Inventory Group.

(i) The work of compilation of a comprehensive omission 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 and mobile sources were given priority.

Based on the data collected, the industries have been categorised into 10 slabs according to their connected power load. Master Data Sheets incorporating general information of a factory were sent to factories having connected load over 200 H. P. and covered under slabs I to VII. Process data questionnaire asking further details like fuel consumption, production details, raw materials used and nature and extent of omissions, were also posted to these industries. Based on the information collected, further wardwise and activity-wise tabulations have been prepared. The factories have been classified into 29 groups according to their activities, for standardisation.

A Laboratory has been set up for analysis of omission samples collected with the help of stack sampling equipment.

Stack sampling at the Municipal Power Laundry at Sewree and Recondo Asphalt Plant at Deonar was carried out.

(ii) Shifting of Non-conforming Industries.

Information from 484 non-conforming industries proposed to be shifted was collected from Wards and activity-wise lists have been prepared and forwarded to the State Govt. Further report from the Govt. is awaited.

(iii) Auto Exhaust Pollution.

Auto Exhaust Analyser of 'Horiba' Make, Japan, has been purchased to measure auto exhaust omissions of CO and HC.

This Group has also been authorised to check municipal vehicles and vehicles belonging to Municipal Officers for pollution control and issue certificates about pollution under control. A fee of Rs. 12/- per vehicle per test is charged in respect of vehicles of municipal officers whereas municipal vehicles are tested free of charge.

Traffic studies have been carried out at selected junctions and traffic counts were taken with the help of Traffic Counter.

(iv) Noise Pollution.

3 complaints of noise pollution were attended to during the year.

(v) I. S. I. matters.

I. S. I. meetings of Committees relating to air quality have been attended from time to time. Suggestions to amend the existing standards and formulation of new standards were also submitted for consideration of the I. S. I.

3. Air Quality Monitoring & Research Laboratory.

Ambient air quality surveillance and stack monitoring for various criteria pollutants was carried out with the help of 20 air monitoring stations.

The air samples collected at these stations were analysed at the Laboratory and/based on the findings during the past 6 years, 8 reports on different aspects of air quality and status and its effects on human being, vegetation and property damage, etc. have been prepared.

The meteorological parameters like wind speed, wind direction, temperature and relative humidity have also been monitored.

Appendix 2. furnishes the detailed statistical information in this respect.

Various calls for air pollution episodes due to accidental releases of gases from industries were attended along with Fire Brigade personnel.

The major places of incidents were —

- (i) Ilac — Chembur.
- (ii) Near Asphalt Plant, Deonar.
- (iii) Near Municipal School Building at Ganpatrao Kadam Marg, Lower Parel.

4. Civil Defence and Vigilance over Mech/Elect. works.

A — Civil Defence.

(i) Training to Volunteers.

The activity of imparting training to municipal employees in civil defence courses in liaison with the Director of Civil Defence of the State Govt. has been continued and during the year under report 188 employees underwent training.

(ii) Revision of plans.

(a) Operational and Survival plans for the emergency services have been revised and brought uptodate.

(b) Contingency/Emergency Plans for operation of essential services are under preparation.

B — Vigilance over Mech/Elect. Works.

Technical audit in respect of 212 cases was carried out.

In all 104 electrical, mechanical and refrigeration works costing about Rs. 8 Crores were inspected.

5. Emergency Medical Care Project.

(Central Ambulance Service)

Planning, execution and operation of the project continued during the year.

(a) E. M. C. Centres.

- (i) L. T. M. G. Hospital, Sion.
- (ii) R. N. Cooper Hospital, Juhu.
- (iii) M. T. Agarwal Hospital, Mulund.
- (iv) Centenary Hospital, Kandivli.

Functioning.
Functioning.
Nearing completion.
Building work completed.
Centre yet to be started.

- (v) Centenary Hospital, Govandi

---do---

As per the decision to decentralise the project, the transport garage has been given in charge of the Solid Waste Management, Department.

(b) C. A. S. Head Quarters at Chunabhatti.

Plans and block estimates are ready. The plot is, however, encumbered and under litigation due to which vacant possession could not be obtained as yet.

(c) Wireless Net-work.

- (i) Wireless Sets of W. S. S. D. and the M. C.'s Car were maintained satisfactorily.

Wireless net works for (i) Sewerage Department and S. W. M. Department are proposed and being developed.

6. Special Projects.

(i) Remodelling of Dhobi Ghat at Mahalaxmi.

No progress due to court case.

(ii) Rehabilitation of Potters at Dharavi, Kumbharwada.

No progress due to paucity of funds.

(iii) Distribution of Natural Gas within Brihanmumbai Limits.

The report is yet to be finalised by the Study Group appointed by the Government.

(iv) Task Force on Quarrying Operations in the City.

The work of collecting and scrutinizing the information about the quarrying operations was in progress during the year.

CONSERVANCY BRANCH.

The Department of Solid Waste Management including the Transport Branches works under the direction and control of the Director Solid Waste Management/Dy. City Engineer, Solid Waste Management. He is assisted in the work by Head Supervisor (Solid Waste Management), Dy. Head Supervisors, Assistant to the Head Supervisors and by two Executive Engineers in the Transport Wing. The Transport wing provide vehicles for transportation of refuse and Cesspool contents from unsewered area.

Solid Waste Management : The services consists of Collection, Removal and Disposal of garbage and sweepings from the public roads, street,s footpaths and by-lanes and maintenance of Dumping Grounds. The work of removal of Night Soil and Cesspool from unsewered area, maintenance of public Sanitary Conveniences is also undertaken.

Collection of Refuse, Debris etc. : All the public Roads, foot-paths and house gullies were cleaned daily. The quantity of refuse, debris and other waste material collected in street cleansing operation from the City and Suburbs is as follows :—

	Refuse Collected	Average per day
City	9.30 lakhs tonnes.	2553.13 tonnes.
Subs. & Extd. Subs.	7.62 lakhs tonnes.	2088.47 tonnes.

During the year 163 (City) and 886 (Subs. & Extd. Suburbs) hutment colonies situated on the Government, Maharashtra Housing Board, Private and B. M. C.'s land were attended and 28,827 City and 79,460 Subs. and Extended Subs. tonnes of refuse was removed from said colonies.

Transportation of Refuse : Transportation of refuse as collected above was regularly carried out by engaging Mechanical Traction. Total vehicles shifts employed for removal of refuse during the years are as follows :—

Sr. No.	Area	Municipal Vehicle.	Vehicles shifts on contract.	Ratio.
1.	City	37,339	1,15,335	24.46
2.	Sub. & Ext. Subs.	31,457	69,355	31.00

For transportation of refuse 18 compacting vehicles which carry 1½ times more load than that carried by conventional vehicles were used.

Disposal of Refuse : The final disposal of refuse was carried out by reclaiming low lying land at Deonar. Total refuse dumped at Deonar from City Wards was approximately 6,27,005 Tonnes. The final disposal of refuse was done by reclaiming low lying land at Chincholi, Gorai, Esic Nagar and Chandan Marve in Western Suburbs and Deonar and Mulund in Eastern Suburbs. Total disposal of waste in Western Suburbs and Eastern Suburbs dumping grounds was 10,58, 558 tonnes.

Collection, Removal and Disposal of Night Soil and Cesspool : Night Soil Collection and disposal services were rendered to 2008 basket privy seats in City and all Subs. and Ext. Subs. and 438.37 Kilo litres quantity of Night Soil was removed daily in Municipal Mechanical traction using 2 vehicles per shift and emptied in Night Soil Depots at Dharavi and Kurla.

Public and Private Latrines and Urinals : During the year, 1103 public sanitary convenience with 8165 W. C. Seats and 1025 Urinals stalls were maintained. There exists 89 separate urinal blocks with 385 urinals stalls in the City area and 195 Urinal blocks with 721 urinals stalls in Subs. and Ext. Subs.

Prevention of Nuisance : During the year 2354 cases in the City and 1397 cases in Subs. and Ext. Subs. were made by 93 Nuisance Detectors for offences such as urinating, defecting and throwing refuse on public roads under Section 115 of the Bombay Police Act and Rs. 1,12,251/- were recovered as fine. During the year 2411 Cases in the City and 1457 cases in Subs. and Ext. Subs. were made under Section 372(E) of the Bombay Municipal Corporation Act, and Rs. 90,898/- and Rs. 60,006/- were Levied as fine in City and Subs. respectively.

Removal and Disposal of Dead Animals : Bombay Khadi and Village Industries Associations are the contractors for the work of removal and disposal of dead animals from area within the Greater Bombay limits. Skinning work is carried out at Village Bapne in Thane district which is about 20 K. M. away from Dahisar. About 77,687 dead animals were removed during the year.

Conservancy Services : The Special Conservancy services were rendered to Circuses, Exhibitions, Big concerns, Industrial Establishments etc. on payment of schedule charges. An amount of Rs. 37,840/- was received for rendering conservancy services.

Conservancy staff quarters : 159 Labour Chawls, 8 transit camps in City and 105 chawls in Subs. with 4169 and 1889 tenements respectively were looked after and maintained for housing Conservancy staff. Out of 9396 employees in the City wards and 5280 employees in the Subs. and Ext. Subs. wards about 44.90% and 36% respectively have been so far provided with free housing accommodation and rest of the employees are paid House Rent Allowance.

Labour Welfare : 30 Welfare Centres are working for benefit of Conservancy employees at different places in the City and Subs.

Co-operative Credit Societies for Labourers : There are 12 Co-operative Credit Societies with an aggregate membership of 5624 members for the benefit of the labours of S. W. M. Department.

Expenditure on Conservancy Services for the year 1985-86 : The total expenditure for Div. I, II and III incurred on collection, Removal and Disposal of garbage, Cesspool and Maintenance of cleanliness of Public Sanitary Conveniences etc. during the year was Rs. 32,43,70,363.32 out of which Rs. 26,89,87,521.61 was for clearance, transportation and disposal of refuse of 16.94 lakhs tonnes. The expenditure on Halalkhore Services in the City and Subs. was Rs. 79,04,954/- and Rs. 2,03,23,377.85 respectively.

The cost of removal and disposal per tonne of garbage comes to Rs. 159.00 and per capita Rs. 24.00.

Special Features :

(a) **Workshop :** There is a workshop for Solid Waste Management Department situated at Mahalaxmi. During the period from 1-4-85 to 31-3-86, 228 Wooden Hand Carts and 280 Iron Hand Carts and 20 Rectangular Type refuse bin are repaired in the workshop.

(b) Emergency services were given in all City Wards, 76 Chronic complaints were attended during night time and 1690 tonnes of refuse and 1880 tonnes of offal was removed.

This Department has received financial assistance from Inter-national Development Association (I. D. A.) under Bombay Urban Development Project-I (BUDPI). The following works have been under taken this project.

- (1) Mechanical Refuse Transfer Station at Mahalaxmi.
- (2) Sites and Services programme.
- (3) Slum Upgradation programme.

The present status of the works is as under :—

(1) The design of the Mechanical Refuse transfer station of 1000 tonnes per day capacity at Mahalaxmi is in progress. The actual civil works and erection of plant and Machinery will commence within a year.

(2) Purchase of Refuse vehicles, Earth moving equipment and construction of two garages, mustering chowkies etc. is included in the sites and services programme and slum upgradation programme. The above work is in progress and the tenders will be invited within six months.

Waste to Energy Project : Due to scarcity of low lying Marshy Land available for land filling of refuse, the method of mass Incineration of waste-cum-power generation will be adopted for disposal of waste. Globe tenders were invited for appointment of a consultant to study, design and supervise the complete project and the evaluation report is prepared. The Government of Maharashtra and Department of non-conventional Energy Sources (Govt. of India) has been approached for financial assistance for this project.

(c) The Rate Incinerator Plant at Haffkine Institute Commissioned in September 1983 has been functioning satisfactorily.

MAINTENANCE OF MUNICIPAL BUILDINGS

- (i) Municipal Buildings : In the City and Suburbs at end of the year were —————
- (a) Housing : 4297 Nos. of tenements are in the City and 2212 Nos. of tenements are in the Suburbs.
 - (b) Other Bldgs. : 1572 in the City and 1016 in the Subs.

The works of maintenance is classified under the major head — (1) Normal Repairs, (2) Special repairs and (3) New works.

Monsoon repairs are also included in Normal repairs. — Special repairs cover the works which are likely to increase the life of buildings and structures. New works cover the works of additions and alterations to the buildings as also those of providing additional amenities.

This year the repairs and maintenance works of the Municipal properties were carried out either departmentally or through petty works contractors.

The total expenditure incurred on the maintenance of Municipal properties was Rs. 716.93 lacs (City Rs. 429.42 lacs and Suburbs Rs. 287.51 lacs) out of this and amount of Rs. 440.50 lacs was spent on normal maintenance. An amount of Rs. 276.43 lacs was spent on New and Special Repair Works. Works costing Rs. 494.99 lacs (City Rs. 227.11 lacs and Suburbs Rs. 267.88 lacs) were executed through the petty works contractors. Total No. of works carried out through the petty works contractors was 1971; and total No. of works carried out departmentally was 14688; and the expenditure incurred was Rs. 312.75 and Rs. 494.99 on departmental and P. W. C. works respectively.

Building Construction Branch.

The branch supervised the work of building construction after contracts are awarded by Planning and Design Department. A synopsis of the work done by this branch during the year is as under :—

Particular	Zone	Works completed		Works in progress.	
		Nos.	Actual cost (in lacs)	Nos.	Estimated cost (in lacs)
A — Housing					
(a) Works including pile foundation	City	—	—	—	—
	W. S.	—	—	1	32.29
	E. S.	—	—	—	—
(b) Structures	City	—	—	—	—
	W. S.	—	—	—	—
	E. S.	—	—	—	—
(c) Tenements	City	2	28.25	4	96.28
	W. S.	—	—	—	—
	E. S.	1	12.40	5	281.32
B — Other than Housing					
(a) Schools	City	1	9.99	—	—
	W. S.	—	—	3	310.66
	E. S.	3	115.95	—	—
(b) Markets	City	3	54.35	—	—
	W. S.	—	—	—	—
	E. S.	—	—	1	37.57
(c) Hospital and Maternity Homes.	City	7	1078.81	7	45.52
	W. S.	4	419.67	3	138.60
	E. S.	1	22.73	2	198.71
(d) Other works.	City	12	223.97	9	114.27
	W. S.	5	317.40	14	1554.88
	E. S.	6	226.01	6	1175.85

PRIVATE BUILDINGS**(i) Building proposals :**

2692 proposals (986 in City and 1706 in Suburbs) under Section 337 and 342 of Bombay Municipal Corporation Act for construction of new buildings and additions and alterations to the existing buildings respectively were received during the year. Out of those 1534 proposals (582 in City and 952 in Suburbs) were passed.

Sr. No.	Particulars.	City	Suburbs.
1.	Total No. of building applications received.	986	1706
2.	Permits for construction of buildings issued.	582	952
3.	Completion certificate received.	219	914
4.	Buildings dealt with.	534	1045

(ii) New Buildings : No. of residential buildings constructed by different agencies (other than Municipal) during the year is as under :—

Agencies	No. of bldgs.		No. of tenements	
	City	Subs.	City	Subs.
(a) Private Enterprises.	25	651	1150	9768
(b) Co-operative societies.	3	142	127	2932
(c) Employers for their employees.	1	42	57	571

473 Proposals (19 in City and 454 in Suburbs) for non-residential building were received during the year. Out of which 217 (14 in City and 203 in Suburbs) were disposed of and 129 (10 in City and 119 in Suburbs) non-residential buildings were constructed during the year

During the year 85 layouts, 97 proposals for amalgamation and 59 proposals for sub-division were received and 11 layouts, 25 proposals for amalgamation and 17 proposals for sub-division were sanctioned.

APPENDIX No. 1

Statement showing the works of building construction completed and those in progress.

'A' works completed.		(Amount shown in lakhs).
Sr. No.	Name of the work.	Expenditure Rs.
(a) Housing :		
City		
1.	Construction of tenements at Sanaswadi.	12.42
2.	Construction of tenements at Peru Chawl, Lalbaug.	15.83
Total Rs.		28.25
(Western Suburbs)		
.. N I L ..		
(Eastern Suburbs)		
1.	Development of Karia Estate at Bhandup (East).	12.40
Total Rs.		12.40
(b) Other than Housing		
City		
1.	Repairs to E. N. T. Hospital.	21.18
2.	Reconstruction of Bhuleshwar Market.	14.85
3.	Construction of Orth. Hospital at K. E. M. Hospital.	1036.84
4.	Stabilsing the hill behind Sea Glimpses Society, Worli.	43.50
5.	Repairs to old & new Bldg. at M. H. O.	
	Phase — I.	33.42
	Phase — II.	18.94
6.	Construction of Transport Garage at Dr. E. Moses Road.	73.44
7.	Construction of Babu Genu Market.	22.27
8.	Repairs to Primary School at Matunga Labour Camp.	9.99
9.	W. P. T. to various Muni. Bldg. in D/Ward.	3.20
10.	Repairs to Mayor's Bunglow at Shivaji Park, Dadar.	8.99
11.	W.P.T. to G. T. B. Hospital and G/N Ward Office.	3.29
12.	Repairs to Victoria Maternity Home.	0.75
13.	Development of Botanical Garden at Colaba.	1.49
14.	Repairs to Students' Quarters at L. T. M. G. Hospital.	2.34
15.	W. P. T. to various Muni. Bldgs. in G/South and G/North Wards.	4.62
15a	-----do-----at E and F/North Ward.	1.82
16.	Const. of Superstructure and repairs to Electric Crematorium at Chandanwadi.	5.46
17.	A/A. to cash counter at H. O. Bldg.	4.00
18.	Construction of Parel Village Market.	17.23
19.	W. P. T. to the K. E. M. Hosp., F/South Ward.	3.24
20.	A/A in 2nd and 3rd floor of Library Bldg. at K. E. M. Hospital.	11.17
21.	W. P. T. to Municipal Printing Press.	2.00
22.	Prop. work of Pedestal for statue at Durgadevi Udyan.	0.75
23.	To improve and beautify the area around the Hutatma Smarak.	22.34
Total Rs.		1367.12

Sr. No.	Name of the work.	Expenditure
WESTERN SUBURBS		
1.	Proposed constn. of Training Centre at Borivli (East).	189.69
2.	Constn. of H/East ward office Bldg. at Santacruz (East).	22.07
3.	(a) Prop. construction of Hindu Cemetery at Madh Village, Andheri (West).	43.05
	(b) Constn. of retaining wall at Erangal Village, Malad (West).	46.47
4.	Constn. of Dispensary, office Bldg. at plot No. 321, T. P. S. II, Nehru Road, Vile Parle (East).	37.26
5.	Prop. constn. of multistorey Hospital Bldg. Bhabha Hospital, Bandra (West).	364.82
6.	Waterproofing treatment to sanitary block at Muni. School Bldg. in H & K Wards.	7.60
7.	Waterproofing treatment to Sanitary Block at Muni. Bldg. in P & R Ward.	8.52
8.	Additions and alterations and repairs to Operation Theatres at Dr. R. N. Cooper Hospital, Juhu.	12.96
9.	Providing facility and purchasing equipments for paraclinical and Clinical Teaching at Dr. R. N. Cooper Hospital.	4.64
	Total Rs.	737.08
EASTERN SUBURBS		
1.	Construction of school bldg. at Passpoli Village, Powai.	61.41
2.	Construction of Building for A. C. Plant Generator room and Receiving Station for General Hospital, Govandi.	22.73
3.	Major repairs to the existing school Bldg. at Tagore Nagar, Vikhroli.	11.40
4.	Proposed construction of school Bldg. at Tirandaz Village, Powai.	43.14
5.	Construction of weigh bridge at L. B. S. Marg, Mulund (West), E. E. Highway, Check Naka, Mulund.	2.22
6.	Proposed construction of retaining wall of compound wall and nalla along with the boundary abutting the nalla at Barve Nagar, Ghatkopar (West).	2.82
7.	Providing waterproofing treatment to the Terrace of existing various Muni. Bldg. in the premises of Deonar Abattoir.	7.00
8.	Waterproofing treatment to terraces of existing Hospital in L, S, and T Wards.	1.89
9.	Construction of transport garage at Vikhroli (East).	163.36
10.	Construction of additional two sheds at Deonar Abattoir.	48.72
	Total Rs.	364.69

'B' Works in progress.

Sr. No.	Name of the work.	(Rs. in lakhs). Estimated Cost. Rs.	(Rs. in lakhs). Expenditure incurred upto 31-3-1986.
(a) Housing. City			
1.	Construction of Dispensary and staff quarters at Banganga.	30.64	17.82
2.	Construction of Gymnasium and Tenements on plot No. 1096-B, T. P. S. IV, Mahim.	17.33	8.01
3.	Construction of Tenements at H. S. Chawl, Prabhadevi.	17.18	6.85
4.	Construction of Tenements at M. P. Mill Compound, Tardeo.	31.13	11.17
	Total	96.28	43.85

Sr. No.	Name of the work.	(Rs. in lakhs).	(Rs. in lakhs).
		Estimated cost. Rs.	Expenditure incurred upto 31-3-86
WESTERN SUBURBS			
1.	Construction of 48 tenements at Dayaldas Road, Vile Parle (E).	32.29	4.84
	Total	32.29	4.84

EASTERN SUBURBS			
1.	Construction of multi-storeyed building in compound of 664 T/S at Park Site Colony, Vikhroli (W).	43.92	NIL
2.	Construction of 48 tenements at Tagore Nage, Vikhroli (East), adjacent to market plot.	26.97	10.02
3.	Completing incomplete work of 180 tenements (out of 600 T/S) including repairs and construction of roads, S. W. drains, drainage, compound wall for entire layout of 600 T/S at Deonar.	72.63	29.96
4.	Completing the incomplete work including repairs of 216 T/S (part of 600 T/S) at Deonar including electrification etc.	60.85	27.07
5.	Completing incomplete work including repairs and electrification etc. at 600 T/S at Deonar. (204 T/S out of 600 T/S):	76.95	37.58
	Total	281.32	104.63

**(b) Other than Housing.
City**

Sr. No.	Name of the work.	(Rs. in lakhs).	(Rs. in lakhs).
		Estimated cost. Rs.	Expenditure incurred upto 31-3-86
1.	Construction of Electric — Crematorium at Shivaji Park.	19.79	1.02
2.	A/A. and repairs to O.P.D. Bldg. at L. T. M. G. Hospital, Sion.	15.69	6.41
3.	Repairs to Birla Krida Kendra at Chowpatty.	13.65	6.37
4.	W. P. T. to the various Municipal Bldgs. in Chinchpokli.	2.41	—
5.	W. P. T. to the various Municipal Bldg. in K. E. M. Hospital, Dr.'s quarters & orth. Centre.	1.54	0.70
6.	W. P. T. to various Municipal bldgs. in Arya Nagar, D/Ward.	3.30	—
7.	Repairs to Munl. Mahim Maternity Home.	9.85	—
8.	Repairs to Munl. terraces of Ward No. 9 and 10 at A. K. D., K. E. M. Hospital.	3.37	—
9.	Providing W. P. T. to sanitary blocks at R. M. O.'s Arts. at K. E. M. Hospital.	2.72	—
10.	P/F. for A/Ward fire Brigade station.	11.63	5.66
11.	W. P. T. to B/Ward Office Bldg.	2.94	—
12.	W. P. T. to B. I. T. Chawls at Chinchbunder.	6.94	—
13.	Add. & altrs. in the Operation Theatre in C. V. T. C. Bldg. in K. E. M. Hospital.	10.09	—
14.	Proposed various works in V. J. B. Udyan, Byculla.	43.14	7.43
15.	W. P. T. to G. T. B. Hospital, Sewree.	2.26	—
16.	Repairs to A. H. S. Chawls, Palton Road.	10.47	—
	Total :	159.79	27.59

WESTERN SUBURBS

Sr. No.	Name of the work.	Estimated Cost Rs.	Expenditure incurred upto 31-3-86
1.	Construction of compound wall and security chowkies at Muni. vacant land in H/K & P/R Wards.	110.44	64.37
2.	Construction of compound walls at various Muni. plots in K/West Ward.	85.54	18.72
3.	Construction of compound wall at various muni. plots in K/East Ward.	122.93	57.36
4.	Construction of Fire Brigade Station at Malavani Malad (West).	191.42	139.17
5.	Development of cemetery at Daulat Nagar, Borivli (East).	70.30	32.66
6.	Repairs work at Maternity Home & Dispensary at Kher Wadi, Bandra (East).	13.56	8.17
7.	Proposed sports complex at Jun. of J. P. Road, & Veera Desai Road Andheri (West).	932.00	437.40
8.	Major repairs to Bhagwati Hosp. at Borivli (West).	52.00	35.46
9.	Constn. of School Bldg. at Khot Wadi, Santacruz (West).	92.88	45.50
10.	Constn. of School bldg. at M. W. Malavani Road, Malad (West).	143.83	15.00
11.	Repairs to S. V. P. Swimming Pool Kandivli (West).	12.49	00.85
12.	Pile foundation for Fire Brigade Station at Bandra Reclamation land.	16.32	4.93
13.	Add. & Altrn. to Municipal Gen. Hospital, Santacruz (West).	73.04	24.01
14.	Construction of School Bldg. at D. N. Nagar, Andheri (West).	73.95	72.55
15.	Providing waterproofing treatment to the Dinanath Natya Griha Terrace.	1.46	—
16.	Providing waterproofing treatment to terraces of Municipal Staff Quarters at P/S Ward.	2.19	1.20
17.	Providing waterproofing treatment to terraces of various Hospital Bldgs. P/S, P/N & R Wards.	3.46	1.74
18.	Providing waterproofing treatment to the terraces of Municipal Bldgs. in P/N and R Wards.	1.46	—
19.	Providing waterproofing treatment to terraces of existing various Municipal Colony staff quarters in K/West Ward.	2.38	—
20.	Providing waterproofing treatment to terraces of Vallabh Market at Vile Parle (West) in K/West.	2.48	—
Total :		2004.13	959.09

EASTERN SUBURBS

1.	Proposed additional two floors over C. A. S. building at Mulund.	159.27	7.31
2.	Providing compound wall and amenities for cemetery at Ward No. 134, Tagore Nagar, Vikhroli.	48.81	3.57
3.	Development at Garden at M. P. Road Mulund (East).	63.09	15.05
4.	Construction of Swimming Pool at Chembur.	109.70	NIL
5.	Construction of Sports Complex at Sonar Bangla, Mulund (West) Rendering accoustical treatment to the auditorium of Sports Complex.	852.10	91.35
6.	Proposed market at Tagore Nagar Vikhroli (East).	37.57	NIL
7.	Construction of stage-cum-welfare Centre at Chembur.	40.10	5.91
8.	Repair to siporex blocks slab and waterproofing treatment to the terrace slab at 600 tenements at Deonar.	4.75	11.80
9.	Proposed construction of Budha Temple at Chembur Labour Camp.	1.57	—
10.	Proposed construction of Coroner's Court at Rajawadi Hospital Compound at Ghatkopar (East).	39.44	5.16
11.	Construction of retaining wall and Lal Dongar Hillock, Chembur.	6.13	—
12.	Construction of centralised O. H. tank and suction tank for 396-300 tenements at Sambhaji Nagar, Deonar (work terminated).	57.30	NIL
Total :		1419.83	140.15

APPENDIX - 2

AIR QUALITY MONITORING PROGRAMME DURING THE YEAR 1985-86.

Sr. No.	Monitoring Station code.	Locational Address.	Date of installation.	No. of sampling days in the year.	No. of sample s collected & analysed for						Total
					SO 2	NO 2	NH 3	SPM	SPM para-meter	Meteo-logical para-meter.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
1.	R1 .. Colaba.	Transport House, BEST, Shahid Bhagatsingh Road, Colaba, Bombay-400 035.	11.6.80	73	314	634	316	73	160	2981	4478
2.	R2.. Babula Tank.	Imamwada Municipal Secondary School, Imamwada Road, Bombay — 400 009.	14.4.78	52	234	468	234	52	145	1687	2820
3.	R3 ... Worli Naka,	Worli Naka Municipal School, Dr. A. B. Road Worli, Bom,bay-18.	12.1.85	118	506	1014	507	118	178	3213	5536
4.	R4 .. Dadar.	Woollen Mill Lane, Municipal Secondary School, Dadar (West) Bombay- 400 016.	15.4.79	47	191	382	191	47	122	2738	3671
5.	R5 ..Chembur Naka.	Municipal U. P. School Chembur Naka, Ghatkopar, Mahul Road, Bombay- 400 074.	2.9.78	205	906	1800	906	205	368	3890	8075
6.	R6 .. Sakinaka.	Municipal U. P. School, Marol, Sakinaka, Bombay — 400 072.	17.4.79	26	123	245	123	26	70	824	1411
7.	R7 .. Ghatkopar.	Primary Municipal School, No. 2, Ghatkopar (East), Bombay 400 075.	1.9.78	19	108	221	111	19	58	432	949
8.	R8 .. Mulund.	Municipal Sec. School, P. Kheraj Road, Mulund, Bombay — 400 080.	4.6.80	40	181	376	188	40	100	2326	3211
9.	R9 .. Borivli.	Sodawala Municipal School, Sodawala Lane, Borivli, Bombay- 400 092.	22.8.78	31	133	266	133	31	91	1609	2260
10.	R10 ... Goregaon.	Municipal U. P. School. Unnat Nagar, Goregaon (W), Bombay- 62.	15.6.80	7	42	84	42	7	36	180	391
11.	H1 ... Tilak Nagar.	Munl. free dispensary, Tilak Nagar, Chembur, Bombay — 79.	17.5.82	86	378	756	378	86	129	1524	3251
12.	H2 ... Anik Nagar.	Anik Nagar Municipal, School, Chembur, Bombay — 74.	10.5.82	67	311	622	311	67	150	3578	5039
13.	H3 ... Khar.	Municipal Tenements Swami Vivekanand Road, Khar, (W), Bombay-52.	4.1.78	85	370	752	369	85	180	1318	3074
14.	H4 ... Santacruz.	Gazadar Park Munl. School, Santacruz (W), Bombay -54.	12.1.78	128	513	1025	514	128	184	4192	6556
15.	H5 ... Parel.	Nare Park Munl. School, No. 1, Parel, Bombay -12.	10.5.82	89	401	806	402	89	131	2399	4228
16.	B1 ... Mahul.	Staff Training Centre, Bharat Refineries, Mahul, Bombay - 74.	4.6.80	56	230	460	229	56	122	2831	3928
17.	B2 ... Mankhurd.	Sector Market Anushakti, Nagar, Bombay-94.	5.10.80	73	319	655	319	73	136	3874	5376
18.	B2 ... Mankhurd.	Sector Market Anushakti, Nagar, Bombay -94.	5.10.80	73	319	655	319	73	136	3874	5376
18.	B3 ... Sewree.	Lal Bahadur Shastri, Nautical College, N & R, Road, Bombay - 33.	7.5.80	48	224	440	223	48	120	2698	3753
19.	F1 ... Maravali.	Municipal School, Ghatkopar, Mahul Marg, Bombay -74.	2.5.80	255	1137	2300	1149	255	402	13204	18447
20.	F2 ... Sion.	Dnyan V'kas Municipal Night Sr. College, Sion, Munl. Secondary School, Sion (E), Bombay —22.	22.1.85	92	382	764	382	92	146	4589	6355

Mechanical Branch :—

During the year 1985-86, total jobs received 1266 and completed 1099 jobs. The total expenditure on department works amounted to Rs. 53,30,987.74. The upkeep and overhead charges amounted to Rs. 4,95,152.24.

(i) Machine Shop :—

This shop undertakes the work of repairs to the pumps of pumping stations and jobs of renovation of pipe lines of filter plants. In addition, the work of manufacturing of impellers, C. I. Bushes shaft of pumps and C. I. casting of Hospital lawn etc. were undertaken.

(ii) Boiler Shop :—

The Major jobs were of the fabrication of refuse and different types of hand carts for Conservancy and drainage department. The repairs to tar boilers and different types of hand carts were also undertaken. Various play apparatus for Garden Department as well as clamps, hooks, exles, brackets and iron racks of Conservancy Department were also fabricated.

(iii) Carpenter Shop :—

The work undertaken as of manufacturing of wooden makes. Notice Boards, tables, benches, chairs, wooden hand carts, diving boards, lockers for swimming pools. The work of polishing wooden articles like chairs, tools etc. is also undertaken.

(iv) Paint Shop :—

The work of painting of name boards of various departments, painting of parts manufactured in the workshop *i.e.* hand carts, dust bins etc., is carried out.

(v) Foundry Shop :—

The foundry casts ferrous and non-ferrous item as per requirements from various departments. For ferrous casting, there is one No. of 2 tons/hr. capacity cupola and for non-ferrous casting 2 Nos. of fired pit furnances. The main production is C. I. manhole frames and manhole covers. Other articles include pump casting, impellers, plates, bushes, gun-metal-brass, aluminium white metal bearings.

During the year, 164 jobs were received and 116 jobs were completed and 30 jobs of 1984-85 were attended to.

2. Design Section :—

This section executed the work of welding, fabrication, repairs to furniture, steel furniture, repairs to play apparatus in the Gardens, M. S. water storage tanks, collapsible gates, rolling shutters, water pump etc. in all the Municipal Institutions in the city area. In addition to this, section looks after the work of S. W. D. Gulleys emptier with the help of Gulley Emptier Units.

Certain works are carried out through out-side agencies.

A) (1) The total water entrances cleaned.	9322 Nos.
(2) Total Unit days of	1025 days.
(3) Average of W. E. per day per unit.	7.7 Nos.
B) (1) The work order received for repairs from wards and other institutions.	383 Nos.
(2) Total work orders completed.	282 Nos.
The work orders completed.	66 Nos.
C) (1) The work orders placed on outside agencies and amount thereof.	88,37,500.
The work orders completed	39 Nos.
(2) The work orders completed and amount thereof	59,55,160.
(3) Works in progress.	2 Nos.
(D) Draughtsman — 1) Drawing prepared.	45 Nos.
2) Sketches.	45 Nos.
3) Blue prints.	800 Nos.

3. Municipal Power Laundry :—

The Municipal Power Laundry rendered washing services to 52 Medical Institutions of the Corporation. The rate was fixed Rs. 150/- for 100 pieces of lines.

Target laid down for 1985-86.	— 62,83,000.
Linen actually washed during 1985-86.	— 48,22,446

This deviation of 23% is due to the following reasons :—

(i) The major Hospital and Medical Institutions were informed to send their full quote of linen to Municipal Power Laundry for washing and they were allowed to reserve 10% of the total linen to get washed locally to meet the emergency. However, the Medical Institutions were sending less quantity of linen and stopped sending small linen. Moreover, the Medical Institutions started sending big linens such as cotton and woolen blankets.

(ii) Andheri Maternity Home did not function from March 1985 to January 1986 and Choksey Dispensary was also closed from March 1985 to December 1985. No clothes were sent from them during the above period.

(iii) Due to non-working of Boiler there was stoppage of laundry on many occasions. There was break down of new installed air-speed drier on many occasions.

(iv) There was also break down of machineries.

(v) Old air-speed drier was out of order for many months.

Following steps are taken to maximise the output.

1. All the Medical Institutions have been informed to send maximum linens (including small linens) to the Laundry for washing.

2. Efforts are being made to minimise break down of machineries and to reduce over time payments to the staff.

4. ELECTRICAL BRANCH :—

The activities of the different sections of the Electrical Branch were under :—

(i) **Planning and Design Section** :— This section deals with the preparation of Estimates, invitation and recommendations of tenders and execution of contract for major electrical works in the newly constructed and old Municipal Buildings under the Loan Works Programmed in the City, Suburbs and Extended Suburbs.

During the year some of the tenders were invited jointly with the Civil Tenders for synchronisation of electrical and civil works. For details as regards preparation of estimates, awarding contract, please see Appendix — 2.

(ii) **Building Construction Section** : This section supervises the execution of major works in different zones for which contracts were awarded by the Planning and Design sections. Details are provided in Appendix — 4.

(iii) **Refrigeration Section** : This section is entrusted with the preparation of estimates, invitation and recommendation of quotation and tenders, execution of contracts and supervision of contracts in respect of works for purchase and installation of air-conditioning and Refrigeration Machineries under Loan Works Programme as well as under the Revenue Budget for City and Suburbs (Appendix —3).

(5) Plant and Machinery Section:—

(i) This section carries out repairs and maintenance of electrical machinery and electrical works in the existing Municipal properties.

35 estimates were prepared.

98 works were carried out through outside agencies costing Rs. 6,07,616

389 works were executed departmentally costing Rs. 12,24,565/-.

Ward Maintenance Section :—

(ii) This section carried out electrical works in the existing Municipal Properties other than those looked after by the plant and machinery section.

There are 84 estimates amounting to Rs. 50,43,202 prepared and works of electrification, providing pump sets electrical fans, and cloks fitting, repairs to an providing sound system, intercom system etc. amounting to Rs. 13,71,267/- are completed and work costing Rs. 7,18,087/- are in progress.

Refrigeration and air conditioning works :—

(iii) There are 15 estimates amounting to Rs. 8,58,458 prepared and works of air conditioning and refrigeration amounting to Rs. 20,17,187, are completed and works costing Rs. 25,000/- are in progress.

6. The following sections are under Administrative Supervision and control of E. E. Mechanical (North & Project).

1. Maintenance of Electrical Installation in Suburban & Extended Suburban.
2. Road Roller & Design and Mechanical Section in Suburbs.

1. MAINTENANCE OF ELECTRICAL INSTALLATION IN SUBURBS AND EXTENDED SUBURBS.

The total staff working under technical guidance of this department is attached to various maintenance works in Wards including rewiring and new works departmentally.

The total cost of departmental works comes to Rs. 26,59,498/-.

Also 170 estimates for electrification, rewiring etc. were prepared and submitted. The cost of the same is Rs. 44,61,974.

In addition to the above works of electrifications, rewiring etc. were carried out through contractors. The total cost of which comes to Rs. 3,47,983

2. ROAD ROLLERS AND DESIGN SECTIONS IN KHAR DEPOT.

There are 27 Diesel Road Rollers for the entire area of suburbs and extended suburbs.

On an average 70.25% of Road Roller Fleet was on the Road during the year and supply and demand efficiency is 90.32%.

Outdoor mechanical repairs at various installation such as Hospitals, Markets, Schools, Gardens, and Office Establishment etc. in Suburbs and Extended Suburbs were carried out by outdoor staff.

Workshop is situated at Khar Dpot. This section carry out the work of maintenance of Road Rollers of Eastern Suburbs and Western Suburbs in the yer 1985-86, break down and job are as follows :—

1. No. of Break down attended.	135
2. No. of job attended	28
3. No. of Preventive Maintenance.	
(a) A Type	41
(b) B Type.	25
(c) C Type.	10
(d) D Type.	6
(e) E Schedule.	3

Design Section is also situated at Khar Depot.

This section carry out repairs and maintenance works of Mechanical equipments/articles departmently and by inviting sealed quotations from Contractors and the repair work is carried out for Municipal Premises and properties in Suburbs and Extended Suburbs. Total strength for this section is 24 employees.

Repairs works executed during the year.

1. Rolling Shutters.	37 Nos.
2. Collapsible Gate.	32 Nos.
3. M. S. O. H. Tanks.	25 Nos.
4. Hand Carts M. S. Wooden.	89 Nos.
5. Tar Boilers & Bruners.	17 Nos.
6. Water Pump Maintenance.	533 Nos.
7. Break down of pump attended.	327 Nos.
8. Steel Furniture including Hospital equipments.	19 Jobs.
9. Play Apparata In Garden.	3 Jobs.
10. Cemetery Articles.	7 Jobs.
11. Other Misc. Work.	31 Jobs.

SPECIAL WORK CARRIED OUT.

1. Tree Guards M. S.	1080 Nos.
2. Flood Gate Maintenance.	20 Nos.
3. Mini Train.	1 No.

APPENDIX NO. (F-1)

Detailed report of total output of Municipal Foundry for the year 1985-86.

Sr. No.	Name of the castings.	Quantity/ Weight in Kg.	Rate		Per	Amount.	
			Rs.	Ps.		Rs.	Ps.
1.	C. I. Manhole frames and covers 540 mm.	378 Nos.	1,200.00		Each	4,53,600.00	
2.	Rect. Manhole frames and covers 914 x 610 mm.	70 Nos.	1,250.00		"	87,500.00	
3.	Rect. Manhole frames and covers 914 x 457 mm.	20 Nos.	1,150.00		"	23,000.00	
4.	Rect. Manhole covers 914 x 610 mm.	3 Nos.	700.00		"	5,600.00	
5.	C. I. Machinable casting.	39,000 Kgs.	13.00		Kg.	5,07,000.00	
6.	Brass casting.	1,561 Kgs.	45.00		"	70,245.00	
7.	C. I. Steps.	715 Nos.	25.00		Each	17,875.00	
8.	White Metal Bearing.	7 Nos.	400.00		"	2,800.00	
9.	Copper Scrap.	169 Kgs.	45.00		Kg.	7,605.00	
Total :—						11,75,225.00	

APPENDIX - 2.

ADMINISTRATIVE REPORT OF A. E. ELECT. (P. & D.) FOR THE YEAR 1985-86.

Sr. No.	Description.	Estimate prepared		Amount.		Contract awarded		Amount.	
		City	Suburbs	City	Suburbs	City	Suburbs	City	Suburbs
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1.	School.	5	3	4,30,650.00	4,38,187.50				
2.	Housing.	5	6	5,79,897.12	7,05,357.50				
3.	Hospitals, Maternity Homes, Dispensaries, etc.	7	4	7,34,188.00	4,58,910.50				
4.	Markets.	Nil	Nil						
5.	Offices.	4	1	5,41,270.88	1,24,115.62				
6.	Transport Garage.	1	Nil	1,32,187.50	—				
7.	Welfare Centre.	Nil	1	—	2,09,600.00				
8.	Cemetery.	1	4	2,07,000.00	5,89,018.75				
9.	Swimming Pool.	Nil	3	—	23,25,900.00				
10.	Lifts.	3	1	36,00,000.00	8,20,000.00				
11.	Intercom.	6	2	4,56,702.50	1,41,000.00				
12.	Fire fighting.	1	1	9,32,000.00	21,86,000.00				
Total :		33	26	76,13,896.00	79,78,089.37				

APPENDIX NO. 3.
AIRCONDITIONING WORKS UNDER E. E. MECHANICAL (E. I.) (P. & C.).

Sr. No.	Name of proposal.	ESTIMATE		PREPAIRED		TENDER INVITED				WORKS COMPLETED				WORK IN PROGRESS			
		CITY		SUBURBS		CITY		SUBURBS		CITY		SUBURBS		CITY		SUBURBS	
		No.	Amount Rs.	No.	Amount Rs.	No.	Amount Rs.	No.	Amount Rs.	No.	Amount Rs.	No.	Amount Rs.	No.	Amount Rs.	No.	Amount Rs.
LOAN WORKS																	
1.	Central Plants.	—	—	1	35,70,250	2	73,92,000	1	25,55,000	—	—	—	—	—	—	—	—
2.	Package type water cooled units.	2	13,56,577	2	14,42,500	—	—	—	—	2	10,48,657	—	—	—	—	2	48,17,615
3.	Air cooled units. (Triomatic).	—	—	—	—	—	—	—	—	1	7,845	—	—	—	—	—	—
4.	Window Model Air-conditioning.	9	6,53,629	—	—	—	—	—	—	6	1,74,920	—	—	1	4,73,602	—	—
5.	Morturies.	1	79,700	1	7,22,100	—	—	—	—	—	—	—	—	—	—	—	—
6.	Roof insulation, boxing, ducing Flase ceiling & accoustic treatment.	1	1,83,313	—	—	—	—	—	—	—	—	—	—	1	1,04,785	—	—
7.	Cooling Towers.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.	Cold Storage and Blood Bank etc.	3	16,68,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total :		16	39,41,419	4	57,34,850	2	73,92,000	1	25,55,000	9	13,00,442	—	—	2	5,78,387	2	48,17,615

APPENDIX - 4.

From : 1-4-1985 to 31-3-1986.

ELECTRIFICATION OF PROVIDING ELECTRICALLY DRIVEN WATER PUMPING SETS ETC.

Sr. No.	Description of the work.	Works completed	Actual expenditure Rs.	Work in progress	Expenditure upto 31-3-86 Rs.	REMARKS.
1. SCHOOL						
	City	—	—	2	0,86,000.00	
	Western Suburbs.	6	6,72,390.00	5	4,94,248.00	
	Eastern Suburbs.	2	3,80,000.00	Nil	Nil	
2. WARD OFFICES.						
	City	—	—	1	2,44,570.00	
	Western Suburbs.	Nil	Nil	1	30,000.00	
	Eastern Suburbs.	Nil	Nil	Nil	Nil	
3. HOSPITAL & DISPENSARY MATERNITY HOME.						
	City	3	3,08,900.00	2	7,00,000.00	
	Western Suburbs.	4	8,18,600.00	5	2,86,000.00	
	Eastern Suburbs.	Nil	Nil	1	6,00,000.00	
4. MARKETS.						
	City	2	—	—	1,92,581.00	
	Western Suburbs.	Nil	Nil	Nil	Nil	
	Eastern Suburbs.	Nil	Nil	1	Nil	
5. HOUSING.						
	City	1	1,80,000.00	1	53,132.00	
	Western Suburbs.	Nil	Nil	Nil	Nil	
	Eastern Suburbs.	1	2,00,000.00	5	1,00,000.00	
6. GARAGES.						
	City	—	—	1	4,00,000.00	
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	—	—	1	6,00,000.00	
7. WELFARE CENTRE/ GYMNASIUM.						
	City	—	—	—	—	
	Western Suburbs.	2	95,000.00	—	—	
	Eastern Suburbs.	Nil	Nil	3	20,00,000.00	
8. LIFTS.						
	City	—	—	11	8,52,420.00	
	Western Suburbs.	2	5,70,000.00	2	5,38,951.00	
	Eastern Suburbs.	Nil	Nil	1	Nil	
9. CEMETERIES/CREMETORIUM						
	City	—	—	2	14,69,523.00	
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	Nil	Nil	1	Nil	
10. FIRE BRIGADE.						
	City	—	—	1	3,66,101.00	
	Western Suburbs.	—	—	1	1,68,000.00	
	Eastern Suburbs.	Nil	Nil	Nil	Nil	
11. DRAMA THEATRE/TRAIN- ING CENTRE/SPORT COMPLEX.						
	City	—	—	—	—	
	Western Suburbs.	2	27,20,000.00	—	—	
	Eastern Suburbs.	—	—	—	—	
12. SWIMMING POOL.						
	City	—	—	—	—	
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	—	—	—	—	
13. MISC. WORKS AIRCONDITIONING ELECTRIFICATION IN SLUMS P.S.C.'s ETC.						
	City	—	—	—	—	
	Western Suburbs.	—	—	—	—	
	Eastern Suburbs.	1	3,00,000.00	Nil	Nil	
Total :—		26	62,44,890.00	48	91,81,930.00	

CHIEF ENGINEER (ROADS & STORM WATER DRAINS) DEPARTMENT

Roads & S. W. Drains Department is a major department in the Civic Administration, headed by the Chief Engineer. The department provides amenities and facilities to the citizen residing in the jurisdiction of the Brihanmumbai Mahanagarपालिका. The main activities of the department are construction, widening and repairing, asphaltting of roads, constructing of bridges, fly-overs, culverts, training of *nallas* and water courses, construction of storm water drains and its maintenance.

Further this office looks after the describing new Road Lines and is proposing revision of Regular Lines for the existing roads. Traffic surveys are conducted at various sites and the exact problem of congestion is identified and the proposals are framed from the traffic planning consideration. The proposals are like changing lay-out of the junctions, providing channelising island, providing new signals at the junctions, facilities for the pedestrians to cross at grade separated like foot-over-bridges, pedestrian subways etc. Fly-overs and foot-over-bridges are also planned to remove the conflicts of vehicles and see the traffic in both directions flows free of conflicts. The street lighting on public roads, towing away the vehicles which are being repaired on the roads or abandoned on roads, construction of road dividers and traffic islands, providing road markings on public roads, are also looked after by this department. In addition to the above, this office also acts as consultants to the Traffic Police for framing different schemes.

The Chief Engineer is assisted by four Dy. Chief Engineers viz., Dy. Chief Engineer Roads (City), Dy. Chief Engineer Roads (Projects), Dy. Chief Engineer Roads & SWD (W. S.) & Dy. Chief Engineer Roads & SWD (E. S.). These Dy. Ch. Engineers exercise their functions independently in their respective jurisdiction, under the control and guidance of the Ch. Engineer (Roads & S. W.D.).

CHIEF ENGINEER (ROADS AND STORM WATER DRAINS) DEPARTMENT.

MAINTENANCE OF MUNICIPAL ROADS.

(i) Roads & footpaths and length of roads (K. M.).

	Cement concrete	Block tapped	Sett paved	Waterbound macadam	Others	Total length
CITY	63.8076	259.3132	—	—	152.8518	475.9726
SUBS.	90.75	753.58	—	66.5	132.3	1043.13

(ii) Improvement of roads.

	Street asphalt	Chip on asphalt roads	Semi grouting	Asphalt concrete	Surface dressing
CITY	20000	400	36150	35000	4680
Area (Sq. M.)					
SUB.	—	—	22148	—	30950
Area (Sq. M.)					

There were 39 road rollers, (petrol driven : Nil and diesel driven : 39).

Permits 4693 in City and 6044 in Subs. were issued for excavation in roads and footpaths. The cost of reinstatement of disturbed surface was charged to respective permit-holders and the trenches were repaired amounting to Rs. 16,05,171.78 in City and Rs. 43,37,683.76 in Suburbs and an amount of Rs. 40,705.00 in City and Rs. 4,20,266.00 lakhs in Subs. were recovered as fees for the purpose.

189 notices in city and Nil notices in subs. under Section 322(b) of the B. M. C. Act were issued against the unauthorised occupants of roads and footpaths by dumping building materials. In addition, 755 permits in city and 6566 permits in subs. were issued for occupation of roads for erecting mandaps, placing chairs and benches etc. and Rs. 62,456/- from city and Rs. 2,41,582/- from Subs. were realised in this account.

ASPHALT PLANT AND CRUSHER

The work of asphaltting roads are approved by the Corporation were continued during the year and roads covering the area of 1,11,214 Sq. M. were asphalted at a cost of Rs. 49,41,324.57 (please see Appendix — II).

(a) The municipal hot mix asphalt plant at Worli in operation throughout the year except during the monsoon from July 1985 to September 1985. During the year, main plant was in operation for 3 months. The labourers for running the asphalt plant were engaged departmentally.

(b) The total area of 1,11,214 Sq. M. of pot holes were repaired during the year at the cost of Rs. 39,60,990.72.

(c) Capital roads admeasuring 1,49,328 Sq. M. were repaired with bitument, grit, cost, chit cost etc. and earned Rs. 9,80,333.85.

The main asphalt plant worked for 278 days and remained closed for 87 days on account of rainy season, Sundays, Holidays and break down of plant.

The rates adopted for booking expenditure for different mode of construction were the same as per previous year. The total expenditure for repairing the road surface, the cost of which is chargeable for repairs grant amounted to Rs. 49,41,324.57.

The total turnout by the main plant was 11,723.43 M. T.

ROAD MATERIAL TESTING LABOURATORY AT WORLI

Sr. No.	Particulars of sample	No. of tests done (Samples)	Amount of Revenue earned
1.	Asphalt mixes	6242	28,220.00
2.	Agregate	429	9,250.00
3.	Soils	72	10,760.00

Cost of municipal samples which are tested free of cost is Rs. 2,56,580.00.

STREET LIGHTING FOR THE CITY

The street lighting for all the public roads in the City is looked after & maintained by the B. E. S. T. Undertaking on behalf of the Corporation within City limits.

The detailed report is as follows :

The total No. of electric street light lamps on the roads, foot over bridge, Gardens etc., as on 31st March, 1986 is as follows :

	As on	As on	Increase
	31-3-85	31-3-86	
	27103	27,332	229

The details of the different types of street lighting i.e. (i) T. F. (Tungstone Filament) of 500 watts (ii) High pressure Mercury Vapour (HPMV) from 80 watts to 400 watts (iii) 4/40 watts Flourescent Tubes (iv) High pressure Sodium (HPSV) 250 watts and (v) 1000 watts halogen lamps—

II	Description	T.F.	HPMV	Flourescent	Sodium Vapour lamp	Halogen lamp	Total
	Municipal	116	11,420	165	93	281	12075
	All in Hire	—	12,705	466	2086	—	15257
							27332

II (a) Total Nos. T.D. Bollards as on 31st March 1986.

(b) Total No. of/with 4 Nos. of No. 1

High Mast 1000 W.S.V. lamps at Khodadad Circle at Dadar

The following statement shows the total electrical energy consumed for the street lighting net work for whole City.

Description	Load K. W.	Units
Municipal	1455.272 (P. Month)	523974 (—" —)
B. E. S. T.	5383.654 (—" —)	1633176 (—" —)
	6838.926 (—" —)	2157150 (P. Month)

II—During the year under reference there was improvemets of street lighting on a number of roads & junctions. The additional expenditure incurred for the work is a shown below :—

(1) Erection of new lamps	1,11,450.00
(2) Shifting of street lamp	—
(3) Improvemets of street lighting	5,52,330.00
Total :	6,63,780.00

(IV) The details of improvemets carried out during the year 1985-86 is shown in appendix.

(V) During the year 1985-86 the programme for change over of HPMV lamps to MPSV on main corridors is continued.

It is proposed to replace all existing Mercury Vapour lamps by Sodium lamps on All Major arterial roads phasewise and to provide Semi Highmast lamps with Sodium Vapour at some Major junctions.

Temporary lighting arrangement was made during Ganpati festival at Girgaon Chowpaty, Cuff Parade, Mazgaon, Colaba, Banganga, Worli Prabhadevi, Dadar Shiwaji Park, Mahim Beaches for the safety of general public visting immersion carmony.

The lighting arrangement was also provided during Navaratra festival at Mahalaxmi temple and Mahaim fair at Mahaim & on new year evening & 26th January at Gateway of India.

All these lighting arrangement were provided at the cost of Municipal Corporation from safety point of views.

(VI) The B. P. T. is maintaining and lighting roads of B.P.T. area. which are used by general public also. B.P.T., is paid a rebate per annum for maintenaince, Cleaning & lighting B. P. T. roads in Docks & Bunders' an in cotton depots as per C. R. No. 2598, dated 30th March 1982.

This is an additional expenditure incurred for street lighting and road maintenance and is adjusted from taxes due from the B. P. T. in respect of property by 'A' Ward.

SUBURBAN AND EXTENDED SUBURBS :

The total No. of street lights at the end of the year as on 31st March 1986 is 39,080 as against the total of 37,807 number in the previous year.

The detail of different type of lamps as shown below :—

T.F. Lamps	H.P.M.C.	T.D. Bollards	Total
7563	31,236	277	39076

The traffic islands, Central dividers and railing have been provided at 40 different junctions.

The name of the roads for which regular lines were prescribed under Section 297(i) of the B. M. C. Act, are shown in (Appendix IV).

Temporary lighting arrangement was provided during Ganpati Festival at Danda village, Khar, Versova beaches, Juhu Beach, M. G. Road, Goregaon, Madh & Marve Sea Shore beaches, Dhahisar river for safety of general public visiting immersion ceremony.

Removal of vehicles

Vehicles which were found undergoing repairs or abandoned on public roads or footpath thereby causing obstruction to traffic & pedestrian, removed in the Municipal Custody under Section 314 of the B.M. C. Act. During the year under report total number of 1669 vehicles removed to Municipal custody out of which 1430 vehicles retrieved by the parties were released on payment. Steps are taken to auction the unclaimed vehicles to recover Municipal dues.

Traffic Amenities

The work of constructing traffic islands, Central Dividers, R. C. C. Railings were carried out on several roads and intersections to ensure traffic safety at the total cost of Rs. 20,76,329/-.

Road marking strips, pedestrian crossing & Road divide line and kerbs painted on all important roads in City & Suburbs.

Informatory sign boards have been installed at many important place for guidance of general public, visitors & Foreigners. As Engineering Aids to traffic Control, the Corporation has provided at its cost, Informatory signs, warning signs & certain Mandatory signs along certain important arterial roads in Bombay at a total cost of about Rs. lakhs.

SIGNAL IMPROVEMENT PROGRAMME

Under the World Bank Assisted Bombay Urban Transport Project the work of Modernising road traffic signals in the City has been completed. 83 intersections have been provided with Micro processor based intersection Controllers and all signals places have been provided with imported signal heads for better visibility & appeal. The 83 intersections have been grouped in 6 corridors each of them provided with Micro processor base Master Controller connected by means of communication cable to the local Controllers. Separate timing plans for various period of day & Sunday have been provided which has resulted in the traffic signal system being traffic responsive to the maximum extent.

TRAFFIC COUNTERS

Permanent Traffic Counting Stations have been established in Greater Bombay. These stations have been provided with automatic traffic Counters which are operated by a combination of inductive loops beneath the carriageways connected to solid state electronic equipment kept in protected street cabinets on the side walks. These counters are capable of giving continuous 24 hours counts through out the year.

In addition to the above, 10 portable traffic Counters have also been procured to collect short terms traffic data whenever, the need arises.

MICRO COMPUTER

The traffic volume and other data such as speed delay etc., is analysed by means of traffic engineering software procured from overseas Consultant on Micro Computer—Specially installed in this department under the World Bank Assisted B. U. T. P. In addition to above, the Municipal Corporation's Main frame Computer at B. E. S. T. Back bay depot is also being used for developing traffic signal timings.

HUTATMA CHOWK

Beautification of areas around the fountain at Hutatma Chowk has been completed. Tree Saplings are planted along the Eastern boundary and ornamental railings have been provided along the Western boundary. The beautification efforts have been carried out by the Corporation through private firms in the vicinity. Also a Martyr's Memorial has been recently constructed which adds to the beauty of the locality.

INTER UTILITY CO—ORDINATION

The inter utility Co-ordinating organisation which was established earlier, properly regulates and Co-ordinates the extensive excavations on roads and footpaths by various utility Concerns. For major excavation by utility concerns on roads, the programme is called for from each of utility concerns and the same is discussed in Central Committee meeting of the representatives of the utility concerns in the Monsoon period and efforts are made to mainise the repeated excavations and regulate the excavations and regulate the excavation activity in the manner prescribed in the load of conduct which was drawn up after mutual consultation.

The meeting such as Apex. Committee meeting, zonal Committee meeting etc., of the inter utility organisation are held at regular intervals. In these meeting issues such as pending reinstatement authorities, difficulties, encountered by the utility concerns, difficulties from the points of free flow of traffic on roads, difficulties from the points of free flow of traffic on roads etc., are discussed and solutions are thought of.

PLANNING OF STORM WATER DRAINS AND NALLAS

During the year 1985-86, various suggestions regarding remedial measures; temporary as well as permanent, suggested by the Natu Committee were implemented. These are described as under :—

(I) Regarding the City, intercepting and arterial drains were desilted in city areas by appointing the contractors. The areas requiring immediate attention were sorted out and the desilting done to ensure proper disposal of storm water. In addition, agencies were appointed for one ward in city for (a) repairs to storm water drains and (b) desilting of dhapa drains. These agencies were utilised during the course of the year and the work was carried out to the extent of Rs. 27,37,900/-.

water entrances, gullies, drainages, connections were cleaned through the Ward staff in City.

The work of desilting of major drains and nallas in F/N, G/S & G/N Ward carried out through the these agencies to the extent of Rs. 7,53,198.32.

(II) Regarding the sub., the following jobs were carried out :—

Tender were invited and the contractors were appointed for 14 wards in suburban areas and various drains, culverts, nallas, were desilted during the course of a year. In addition, labourers were employed for departmental effort for better results. Guidance was given to wards regarding measures to be taken as and when necessary in the regarding measures to be taken as and when necessary in the regarding measures to be taken as and when necessary in the form of excavation huthca drains, desilting and diversion of storm water drain wherever necessary.

However, the work of training and construction of nallas had to be pruned in accordance with the budget provisions which were destically curtailed.

The work of desilting the drains and culverts through the Railway properties between Churchgate and Dahisar and from Bombay V. T. to Mulund were executed through the Central and Western Railways. These works were carried out at the cost of MCGB.

Statement showing the work done during the year 1985-86 for the Road Material Testing Laboratory.
Report of Building, Material Testing Laboratory

Sr. No.	Test on	No. of tests done	Revenue earned	Amount of free work done (Rs.)
1.	Asphalt mixes	600	220.00	2,38,280.00
2.	Bitumen samples	2		
3.	Soil samples	72	10,760.00	600.00
4.	Aggregate samples	200	1,350.00	17,700.00
			43,230.00	2,56,580.00
			48,230.00	
Total amount worth done (A)+(B) Rs. 3,04,810.00				

Report of Building, Material Testing Laboratory.

Particulars	Departmental		Govt.	Private	Total
	Free	With charges			
Concrete	2264	1978	1294	1169	6705
Bricks	—	all together	—	268 x 5	1340
Cement	143	—	—	207	350
Steel	—	all together	—	—	161

II. Cost of testing in Rupees					
Concrete	—	59,340.00	19,410.00	35,070.00	1,13,820.00
Bricks	—	all together			34,840.00
Cement	—	—		43,470.00	43,470.00
Steel	—	all together			9,900.00
Hire of moulds	—	—			3,270.00
Hammer test	—	—			—
				Total (A)	2,05,300.00

III—Cost of free testing		
Particulars	No. of samples	Amount in Rs.
Concrete	2264	67,920.00
Cement	143	30,030.00
	Total (B)	97,950.00
IV—Total cost of work done		
	Total (A) Rs.	2,05,300.00
	Total (B) Rs.	97,950.00
		3,03,250.00

APPENDIX—I

Statement showing details of repairs to roads & footpaths carried out by A.E. (Asphalt) Departmentally.

Sr. No.	Mode of repairs	Area in Mtrs.	Amount (in lakhs)
1.	Asphalt roads repaired with binder, grit, cost, chip coat, surface etc.	1,11,214	39.61
2.	Potholes repaired with premix.	—	—
	TOTAL :	1,11,214	39.61

APPENDIX—II

Statement showing the details of Asphalt Plant production.

	Main Plant	Pegaon Plant
Binder	—	—
Surface	1789.74 Kg.	—
Chip coat	—	6631.26 Kg.
Grit cost	—	—
Premix 1"	—	—
Premix ½"	252.59 Kg.	3089.84 Kg.
	2042.33 Kg.	9681.10 Kg.

APPENDIX—V

The details of improvement carried out during the year 1985-86 are as under :—

- (1) Improvements of street lighting from Haji ali to Mahim.
- (2) Improvements of street lighting at Sawarkar Marg.
- (3) Improvement of street lighting at Appa saheb Marathe Marg.
- (4) Improvement of street lighting at Worli Naka.
- (5) Improvements of street lighting at Gadkari Chowk.
- (6) Improvement of street lighting at Dadar T.T.
- (7) Improvement of street lighting at Sion.
- (8) Improvement of street lighting at Maulana Shaukatali Rd.
- (9) Improvement of street lighting at Ridge Rd.
- (10) Improvement of Street lighting at Ribbs Rd.
- (11) Improvement of street lighting at Mount Pleasant Rd.
- (12) Improvement of street lighting at Captain Prakash Pethe Marg.
- (13) Improvement of street lighting at K. Khadya Marg.
- (14) Improvement of street lighting at Sion Circle at King Circle.

MUNICIPAL CORPORATION OF GREATER BOMBAY ADMINISTRATION REPORT FOR THE YEAR 1985—1986

DEVELOPMENT PLAN

The Development Plan Department has the following main functions :—

1. Implementation of Development Plan sanctioned in 1967;
2. Revision of Development Plan as required under Section 38 of the Maharashtra Regional & Town Planning Act, 1966;
3. Acquisition of land required for providing various civic amenities;
4. Town Planning Scheme;

1. IMPLEMENTATION OF DEVELOPMENT PLAN SANCTIONED IN 1967.

Under this Section, this department is required to give guide lines to various departments of the Municipal Corporation particularly to the Building Proposal Sections in the matters connected with Building Bye-Laws, Development Control Rules, minor modifications to the Development Plan and Development Control Rules and Urban Land (Ceiling and Regulation) Act, 1976. The Ward Offices are required to be guided in the matters regarding grant of factory permits under Section 390 of the Bombay Municipal Corporation Act, and Licences under Section 394 of the said Act.

This wing has also to guide members of public, licenced surveyors as also the Government and semi-Government Departments regarding provisions under the sanctioned Development Plan of Greater Bombay & the Development Control Rules of the Greater Bombay etc.

During the course of implementation of Development Plan provisions, at it become necessary that the reservations provided for various public purposes are required to be modified or deleted partly based on site conditions or to meet the immediate requirements of the public or with a view to modify the provisions under the sanctioned Development Plan in case of discrepancies as also changes in users of reservations, considering the difficulties of implementation etc., on representation from the owners of properties, licenced surveyors, Municipal Councillors & Government and Semi-Government departments. Thus, 48 such proposal have been initiated for modifying the Development Plan reservations in the year 1985-1986. Out of these proposals 18 have been sanctioned by the Corporation under Section 37(1) of the Maharashtra Regional and Town Planning Act, 1966, whereas 1 proposal have been sanctioned by the Corporation under Section 50 of the said Act, for deletion of reservations. These proposals have been processed further and 11 proposals have been submitted to the State Government in Urban Development Department for their final sanction. The remaining proposals are in process. In addition to these 11 proposals have been initiated for modifying the provision under the Development Control Rules for Greater Bombay. Out of these proposals 2 proposals have been sanctioned by the Corporation and 5 have been submitted to the State Government for their sanction.

2. REVISION OF THE DEVELOPMENT PLAN :

The work of preparing the draft revised Development Plan of Brihan Mumbai including the draft Building-Bye-Laws and the Development Control Rules and publishing the same has already been completed in the earlier years.

The Committee, constituted by the then Administrator in view of the powers vesting in the then Administrator by virtue of Section 7-A(2) of the B. M. C. Act, considered the suggestions/objections in respect of the draft Building Bye-laws and the Development Control Rules by giving hearing to the parties concerned as per provision under Section 28(3) of the Maharashtra and Town Planning Act, 1966. The said Committee made its recommendations to the then Administrator and the then Administrator thereafter finalized the draft Building Bye-laws and the Development Control Rules for Brihan Mumbai and submitted to the same to the State Government for their final sanction.

Thereafter during the year 1985-86, the Planning Committee, appointed by the Corporation, has considered the suggestions/objection in respect of the draft revised Development Plan of Brihan Mumbai for the Wards in Suburbs and Extended Suburbs as per provisions under Section 28(3) of the Maharashtra Regional and Town Planning Act, 1966. The said Planning Committee made its recommendations to the Corporation.

3. Acquisition of Land required for providing various Civic amenities.

Due to the financial stridency, the acquisition proceeding to acquire the properties for various public purposes were required to be slow down during the year 1985-86. It had become difficult to initiate proceedings to acquire even partly encumbered properties specially for want of suitable alternative accommodations to clear such lands. However, no properties have been acquired through Land Acquisition proceedings and no property has been acquired by negotiations during the year 1985-86 awards have been made by the Special Land Acquisition Officers in respect of 6 properties. The Land Acquisition Proceedings as per the provision under the Maharashtra Regional and Town Planning Act, 1966, and the Land Acquisition Act(I), 1894 in respect of 4 properties were in progress. Possession of three Govt. properties has been taken over by the Municipal Corporation.

In addition to this the land rate in respect of acquisition of set back land in 2 cases has been fixed. The standard rent in respect of 27 Municipal properties have also been fixed.

4. Buildings, Survey & Factories Section :—

In addition to main functions of the development plan from this year the Building Proposal Section which was other under C. E. is now under the control of Chief Engineer (D.P.). The main functions of this Section are as follows :—

1. Supervision of private buildings and maintaining safety of these buildings, Notices under different Sections of the B. M. C. Act, viz., 354 etc., are given to landlords.
 2. Unsafe bldgs. or portions thereof are removed under Section 489 of the B. M. C. Act.
 3. Authorities are granted to the tenants under Section 499 of the B. M. C. Act, for repairing the unsafe bldgs. or portions thereof.
 4. Action are taken against unauthorised structures.
 5. Factory permits are given under Section 390 of the B. M. C. Act.
 6. Attending to the House Collapse and submitting the report of the same.
- On above the above functions prosecutions are launched for breach of any of the said Sections. These functions are generally performed by the Ward staff working in the building Section of the wards.
7. Scruting and approving the new building proposals received under Section 337 of the B. M. C. Act.
 8. Scrutining and approving the proposals received under Section 342 of the B. M. C. Act, for making additions, alterations or major repairs.
 9. Granting of C. C., Occupation certificate/B. C. C. to the Bldg.
 10. Approval of Layout and sub-division u/s. 302.

These functions are performed by the staff working in zonal offices under Dy. City Engineer.

TOWN PLANNING SCHEMES

There are in all 33 T. P. Schemes in the whole Greater Bombay of which 4 in City proper, 25 in suburbs and 4 in Extended Suburbs.

(I) T. P. Schemes in City Area.

1. T.P.S.B.C. No. I (Mandvi and Elphinstone Estates) :

The Work of varying this T. P. Scheme is in progress along-with the draft revised Development Plan of 'B' Ward.

2. T.P.S.B.S. No. II (Mahim Area) :—

The Govt. of Maharashtra by their notification of Urban Development Department No. TPB/4383/401/A/UD-5, dated 6th March 1986 have accorded its sanction under Section 86(2) of M.R. & T.P. Act, 1966 to the 1st variation of this T. P. Scheme and the same has come into effect from 1st May 1986.

3. T.P.S.B.C. No. III (Mahim Area) :—

The Government of Maharashtra by their notification of Urban Development Department No. TPB/4384/4046/UD-5, dated 24th March 1986 have accorded its sanction under Section 86(2) of M.R. & T.P. Act, 1966, to the 1st variation of this T. P. Scheme and the same into force from 1st May 1986.

4. T.P.S.B.C. No. IV (Mahim Area) :—

This T. P. Schemes is under 2nd variation and its work is in progress alongwith the draft revised Development Plan of G/North Ward.

(II) T.P. Schemes in Suburbs Area :—

Including the T. P. Schemes mentioned at Sr. No. 1 to 3 below, there are in all 25 T. P. Schemes in Suburbs which are finalised and being implemented by the concerned ward offices. The T. P. Schemes Performed at Sr. No. 1 to 3 below are recently sanctioned by the State Government *vide* there sanction no. and date mentioned against the said T.P. Schemes and the same are being implemented by the concerned W.O. As Also excluding the below mentioned T. P. Schemes all these T. P. Schemes are new under variation.

- | | |
|---|--|
| 1. T.P.S. Bandra No. III
1st variation. | No. TPB/4382/550/CR-530/84/UD-5, dated 30-11-1984. Date of effect 4-2-1985. |
| 2. T.P.S. Santacruz No. VI
1st variation. | No. TPB-4382/420/CR-216/85/UD-5, dated 13-5-1985. Date of effect 1-7-1985. |
| 3. T.P.S. Ghatkopar No. III
1st variation. | No. TPB/4382/1245/CR-533/83/UD-5, dated 26-2-1985. Date of effect 1-5-1985. |
| 4. T.P.S. Vile Parle No. V Final. | The Arbitrator, T.P.S. Bombay has submitted that draft scheme to State Govt. for its final sanction and same it awaited. |

T. P. Schemes in Extended suburbs :—

There are in all 4 T. P. Schemes in extended suburbs out of which 2 T. P. Schemes *Viz.* T. P. S. Malad No. I (1st variation) and T. P. S. Borivali No. 1 (Final) are implimented by the concerned Ward offices and the work of varying these T. P. Schemes is in progress. The position of the remaining 2 T. P. Schemes are as under :—

- | | |
|---------------------------------------|--|
| 1. T.P.S. Borivali II (1st variation) | The final sanction of the State Govt. to this T.P. Scheme is still awaited. |
| 2. T.P.S. Borivali III (Principal) | This T. P. Scheme is still before the Arbitrator for finalisation and work of giving hearing to the concerned plot owners is inprogress. The Arbitrator, T.P.S. Bombay will be submit this T.P. Scheme to the State Government for its final sanction shortly. |

**The Civic Training Institute & Research Centre
(Productivity Department)**

The activities of this department are as follows :—

(1) Training programmes conducted in Administrative, Technical & Managerial areas.	36
(2) Training programmes on cathodic protection and sewer cleaning & maintenance were organised and conducted for the officers sponsored by the Govt. of India.	2
(3) Seminars/workshops conducted on different topics of the Engineering discipline.	7
(4) Project studies under-taken to suggest improvement in the systems/organisation.	23
Besides these a number of staff proposals referred to this department were scrutinised.	
(5) A paper was presented at a National seminar at NEERI Nagpur, on findings of Laboratory Scale experiment on low cost Sewerage treatment and generation of bio-gas.	1
(6) Guidance to the Departments in preparation of departmental manuals.	
(7) Construction of a pilot scale plant for carrying out experiment on low cost Sewerage treatment and generation of bio-gas at Dadar purification works is in progress.	
(8) CENTRAL LIBRARY	
(A) Number of new members in the library during the year.	171
Total number of members.	1863
(B) Number of new books purchased during the year.	324
Total number of books.	3856

Papers, reports, desertation contributed by the officers deputed for seminars, conferences, Training programmes, post-graduation studies are also being maintained in the library.

Due to economy measures filling in vacant posts, purchase books for library, deputation of officers for training, seminars conference etc. organised by external institution were restricted to minimum. The number of training programmes and project studies were also restricted as staff was engaged in the work of coordinating various pre-requisite activities in connection with operational aspects the C.T.I. & R. C.

Budget Information during 1985-86

A — Expenditure	(1) Expenditure on Estt.	Rs. 11,63,282/-
	(2) Expenditure on other heads.	Rs. 1,41,830/-
B — Revenue :	—————NIL—————	

ESTATES AND LAND MANAGEMENT DEPARTMENT.

Administration Report for the year 1985—86.

(1)	Money spent.	Rs. 8,71,30,117
(2)	Money earned—	
	(i) Rent from tenants and lessees.	Rs. 1,65,66,793
	(ii) Other.	Rs. 1,08,35,843

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.

5 Plots in Municipal Scheme have been disposed-off in the year 1985-86 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.
1982—83	5	18,335.09	61,15,052.25
1983—84	8	15,543.50	27,04,309.25
1984—85	11	7,962.03	28,95,455.00

Slum Clearance.

No new tenements were completed during the year under report.

Industrial Estates.

The construction of Industrial Estates has been taken by Corporation for rehabilitation of the Industrial Units required to be shifted from the lands required for Municipal purposes.

No new Industrial Estate has been constructed during the year under report.

New Housing Schemes.

(1) The following new tenements were completed during the year under report :—

(i) 22 Tenement in transit camp at M. P. Mills coumpound D Ward.

(ii) 36 Tenement at sanas Wadi Dr. Ambedkar Road E Ward.

(3) The recoveries of rents of the dormitory at Palton Road amounted to Rs. 75,847.64 during the year.

DISPOSAL OF LANDS.

(A) Lang Leases.

5 Plots were let out during the year. The total area of the land thus disposed off admeasures 10789.72 square meters valued at Rs. 4691344.69. The total No. os Plots disposed off upto the end of 1985-86 were 4433 with an area of 54,83,763.57 square meters and valued at Rs. 17,16,03,146.59 yielding an annual ground rent of Rs. 80,75,328.99. The ground rent is charged at 10% per cent. On the value of land. The rate for calculating ground rent revised from 7% to 10% as per C. R. No. 546 of 23-3-1976. The commutation is stopped from 1st July 1962.

The progress of the disposal of Trust lands on permanent basis is shown as under :—

Particulars.	No. of Plots.	Area in Sq. Mts.	Capital value. Rs.	Annual Rent. Rs.
Plots leased on Rental basis.				
Corresponding figures :				
1982—83	5	18,335.09	61,15,052.00	74,39,115
1983—84	8	15,543.50	27,04,309.00	76,15,934
1984—85	11	7,962.03	28,95,455.00	78,96,161

The amount received by way of commutation of ground rent and premium etc., during the year was Rs. 4,06,986.00.

As can be seen in the Statement 'J' vide Item No. 8 that percentage of 204.92 arrears could be attributed mostly to the usual tendency on the part of the prospective lessees to withhold payment of ground rent to the extent to cash security deposited by them with a view to getting the same adjusted towards the ground rent. The main items of arrears which constitute a part break up of Rs. 1,34,08,956.75 pertaining to 'B' Budget and of Rs. 2,62,951.00 pertaining to 'A' Budget shown in statement 'D' can be classified as under :—

Sr. No.	Ground rent.	Rs.
(1)	with-held by lessees to the extent of their security deposit.	18,40,977.59
(2)	Of plots occupied by Government of Maharashtra and Defence Department.	54,008.15
(3)	Of properties vested in the Deputy Custodian of Evacuee Property.	6.00
(4)	Of plots against which disputes have been raised and cases are under consideration.	12,80,849.46
(5)	Due from Western and Central Railways.	1,41,680.66
(6)	Due from Municipal Department.	1,69,030.36.

(2) Short Leases.

No temporary leases were granted during the year under report.

The number of vacant land tenancies both ex-Trust and Municipal Estates excluding those given in Mankhurd and Jogeshwari Colonies were 4210 and 659 respectively at the close of the year. The demand for vacant land tenancies in Ex. Trust Estates and Municipal Lands for the year under report was Rs. 13,46,190 and Rs. 11,63,041 and the recovery was Rs. 79,447.79 and Rs. 9,30,330 respectively inclusive of arrears.

MANAGEMENT OF PROPERTY AND COLLECTION OF REVENUE.

A — Trust Section.

(a) Chawl Permanent : The gross demand of tenements in the Chawls for the year was Rs. 57,36,216.59 on 31st March 1986 as against Rs. 6,40,060.38.

The concessional rent includes the rents of rooms let out to the poens of the different departments in lieu of house rent allowance and rent free quarters allotted to 193 sweepers on this department.

The Collection on account of rents from the permanent chawls during the year amount to Rs. 58,90,225.76 deducting therefrom the charges on account of outgoing amounting to Rs. 1,22,86,703 not loss comes to Rs. 63,96,478.

The Collection on account of rents from the permanent chawls during the year amount to Rs. 58,90,225.76 deducting therefrom the charges on account of outgoing amounting to Rs. 1,22,86,703 not loss comes to Rs. 63,96,478.

The Capital expenditure incurred on the chawls including the value of the land is Rs. 246 Lack. The Corporation have to pay interest and sinking fund charges at the rate of 4.61 per cent. per annum on the capital expenditure prior to 1919-20 and 6.35 per cent. per annum on the capital expenditure incurred in subsequent years and 4.24 per cent. in respect of those constructed after 1950. This amounts to 13.85 per annum, after adding the amount of net loss into the amount of interest and sinking fund charges as shown in Statement 'G', the A/c. for the chawl shows a loss of about Rs. 38,57,987.

(b) Semi permanent sheds : The gross demand in respect of 6099 rooms in the Semi Permanent Sheds including Labour Camps for the year was Rs. 13,29,161. The net demand after excluding the concessional rent and vacancies was Rs. 22,72,648.74 which was equivalent to 82.35 per cent. of the total recoverable rent including arrears of Rs. 10,88,691 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. 1,23,30,286 for chawl and Rs. 36,75,184 for semi-permanent sheds, total outgoing being 122.87 per cent. and 183.62 per cent respectively.

The difference between the standard rents works out on 5 per cent. of the cost of land and 10 per cent. on the cost of construction of post-war residential tenements and subsidised rents actually charged are to be met from the Rent Equalisation Fund.

Revenue collected from tenements constructed for slum clearance was Rs. 37,01,246.35 against the demand of Rs. 13,88,403.61 inclusive of arrears.

Acquired properties : At the commencement of the year there were 449 acquired or surrendered buildings in charge of this department containing 64.79 tenancies. At the close of the year. corresponding figures were 449 building and 64.79 tenements.

The gross demand of 64.79 tenements in the acquired and re-entered buildings was Rs. 23,05,324. After excluding the amount for concession in rent and vacancies the net demand for the year was Rs. 21,76,496.

The revenue collected amount to Rs. 26,79,767 which was equal to 63.50 per cent. of the total recoverable amount including arrears of Rs. 15,40,322 for the previous year.

Summary of revenue : The total collection of revenue from leasehold plots and rent and ground rent from Building Vacant Land tenancies and slum clearance propoeties are shown in Statement 'D'.

Requisitioned Buildings : The management and collection of rent in respect of 17 properties having 386 tenancies requisitioned from private landlords for A. R. P. purposes were continued to be looked after by this department. The demand inclusive of arrears in respect of these tenancies for the year was Rs. 1,72,361 and the recovery was Rs. 70,835 which was equal to 42.70 per cent of the total recoverable amount.

During the year under review, the demand and recovery of taxes aggregated to Rs. 5,19,616 and Rs. 16,570 respectively. The arrears due for collection at the close of the year stood at Rs. 5,03,045.

B — Municipal Section.

Details of the total collection of revenue from Municipal properties under Budget 'A' are shown in Statement 'D'.

Tenements constructed under Budget 'A' for Municipal General Staff are shown in Statement 'H'.

STATEMENT "A"

Statement showing the total area of developed land.

Change in	As at the beginning of 1985—86 (Aq. Mts. in thousands).	As at the end of 1985—86 (Sq. Mts. in thousands).
Developed land.		
Area permanently leased.	6441.60	6441.60
Area of Trust Chawls sides.	158.86	158.86
Area sold	7.53	7.53
Area reserved for a Municipal Market.	0.97	0.97
Total :	6608.96	6608.96
Rent of permanently leased area Rupees (in thousands).	13711.45	13711.45

APPENDIX 3A

Number of plots disposed of in the different Ex-Trust Estates during 1985—86.

Sr. No.	Particulars	No. of Plot	Area in Sq. Mts.	Capital value in Rs.	Annual Rent in Rs.
(1)	Plot at Jerbai Wadia Road, Bhoiwada Parel 2nd October Colony.	1	1337.00	885094.00	22127.30
(2)	Naigum Sch. 60 (Service Passage).	8	45.71	15541.40	1554.00
(3)	Sandhurst Road (West) Service Passage.	19	50.90	163503.65	16350.00
(4)	T. P. S. III Mahim.	Final Plot No. 122B	2730.61	2235851.64	Rs. 1.00
		4	4164.22	3299989.69	40032.30

STATEMENT 'B'.

Statement of permissions granted in respect of lease plots for 1985—86.

Description.	No. of proposals.	Premium in Rupees.	Extra ground rent in Rupees.
Motor Garage.	46	—	1,11,128—22
Additional Floors.	97	1,281—00	10,43,154—77
Change of user & Misc. proposals such as encroachments, canopies, temporary structures, Gallery projections, Ota projections, loft, Mezzanine floors, etc.	71	22,689—00	7,18,798—56
Transfer fees.	—	—	18,000—00

STATEMENT 'C'.

Number of Plots disposed off in the different Municipal Lands in the City during 1985—1986.

Sr. No.	Particulars of land.	Plot No.	Area in Sq. Mts.	Capital value in Rs.	Ground rent per annum in Rs.
Ex—Trust.					
1.	Plot at Jerbai Wadia Road, Bhoiwada Parel 2nd October Colony.	—	1337.00	885094.00	22127.30
2.	Naigaum Scheme 60 (Service passages).	8	45.71	15541.40	1554.00
3.	Sandhurst Road (West). (Service passage).	19	50.90	163503.65	16350.00
4.	T. P. S. — III, Mahim.	Final Plot No. 122B.	2730.61	2235851.64	Rs. 1.00
	Total	4	4164.22	3299989.69	40032.30

Ex—Turst.

Municipal.					
1.	Village Kandivali, Borivali (West).	Plot of land bearing No. 13/11, C.T.S. No. 13/6.	6625.50	1391355.00	139135.50
Total		1	6625.50	1391355.00	139135.50
Municipal.					
Total		5	10789.72	4691344.69	179167.80
Municipal = Ex-Turst.					

APPENDIX No. 3.

Statement showing the disposal of Ex-Trust Plots during 1985—1986.

Particulars.	No. of Plots.	Area in Sq. Mts.	Capital value in Rs.	Annual rent in Rs.
Plot leased on Rental basis.	—	—	—	—
Plots disposed off in 1984-85 earlier but surrendered to the Municipal Corporation.	—	—	—	—
Corresponding figures for disposal of Plots.				
1984—85.	11	7962.03	2895455.00	280226.50
1983—84.	8	15543.50	2704309.25	176441.00
1982—83.	—	—	—	—

"J" Comparative Statement of demand, collection, etc. in respect of permanently leased plots.

Sr. No.	Particulars.	1983	1984	1985	1986
(1)	Number of Tenancies.	44.09	44.17	44.28	44.33
(2)	Balance of arrears in lacs of rupees.	95.55	107.19	125.43	114.72
(3)	Demand for the year in lacs of rupees.	70.63	73.08	75.11	88.71
(4)	Total demand including arrears in lacs of rupees.	166.18	180.27	200.54	203.44
(5)	Amount collected in lacs of rupees.	69.68	57.53	103.68	66.72
(6)	Percentage of collection to the demand including arrears.	41.93	31.91	50.69	32.80
(7)	Percentage of collection to the demand for the year.	98.65	78.72	138.03	75.21
(8)	Percentage of arrears to amount for collection.	57.50	59.46	61.31	204.92

"F" Statement of percentages of outgoings in respect of Chawls and S. P. Sheds.

Particulars.	Permanent Chawls.		Permanent ground floors rooms and	
	1984—85	1985—86	1984—85	1985—86.
Sanitary Staff and Pumpmen.	26.65	25.65	59.95	58.95
Cost of Management & Establishment.	7.50	7.50	7.50	7.50
Municipal Rates and Taxes.	18.75	18.75	59.50	59.50
Repairs and Maintenance including lighting, vacancies.	69.97	69.97	57.67	57.67
Total	122.87	122.87	183.62	183.62

**"D" Summary of Revenue of Properties for the year 1985—1986
(000 omitted).**

Particulars.	Properties under 'B' Budget.			Properties of 'B' Budget under Slum Clearance.			Properties under 'A' Budget.		
	Perma- nent.	Temporary.	Total.	City	Suburbs	Total.	Permanent.	Temporary.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Demand for the year.	5.42	81.00	86.42	35.85	13.88	49.73	83.28	13.35	96.63
Arrears as on 31-3-86.	2.62	94.14	96.76	28.96	24.15	53.11	1,34.08	1,05.33	2,39.41
Totals.	8.04	1,75.14	1,83.18	64.81	38.03	1,02.84	2,17.34	1,18.68	3,36.04
Amount collected.	5.08	81.20	86.28	43.06	12.85	55.91	61.63	17.74	79.34
Variation in Demand for the previous years.	+24	+48	72	+4.54	+2	4.56	+17.61	+5.82	23.43
Carried out during the year.	—	—7.86	—7.86	—19	—13	—	—3.37	—3.37	—3.37
Amount written of.	—	—	—	—	—	—	—	53.95	53.95
Arrears as on 85.	2.04	97.38	99.42	31.82	23.11	54.93	94.82	1,07.26	2,02.08
Arrears as on 84.	93.48	1,00.87	1,94.35	32.79	24.82	57.61	3.01	84.15	87.16
Arrears as on 83.	91.06	1,12.82	20,38.88	24.65	19.49	44.14	75.70	73.39	1,49.09

"E" Statement of tenements constructed for Slum clearance Scheme (City and Suburbs).

Serial No.	Locality.	Year of Construction	No. of structures	Number of Tenements		Subsidised rents Charged	Standardised Rent.		
				Residential	Shops Godowns		Rs.	P.	Rs. P.
Municipal Scheme :-									
1	Palton Road Chawl No. 4.	1956	1	8	20	34.30			50.431 105.85
2	Haines Road Transit Camp.	1957	19	137+9	...	26.98			32.05
3	Tank Pakhadi Transit Camp.	1958	27	254	...	26.98			40.08
4	Dharavi.	1959	5	120	...	31.95			...
5	Shopping Block at Haines Road.	1960	1	...	4	...		22.69 73.64	63.29 92.05
6	Do. Do. Milk Street.	1962	1	...	17	16.48			30.91
7	Shopping Block at Tulsiwadi Body-Guard line.	1963	1	...	15	32.27		31.92	
8	Shopping Blocks at Water St.	1963	1	112	10	...		Varyine from 35 15 to 43 94	

Serial No.	Locality.	Year of Construction	No. of structures	Number of Tenements		Subsidised rents Charged	Standardised Rent.			
				Residential	Shops Godowns		Rs.	P.	Rs.	P.
Government Aided Schemes										
1	Haines Road.	1959	7	112	...	32.05				62.52
2	Haines Road.	1959	5	80	...	32.05				
3	Sukhalaji Street.	1960	1	76	...	42.29				
4	Sion Scheme 6.	1960	1	40	...	31.50				
5	Body Guard Lines.	1960	6	96	...	31.49	52.23			51.32
6	Dharavi.	1961	5	168	...	31.50				
7	Foras Road.	1961	1	42	13	31.49				
8	Rawli Camp.	1961	18	288	...	31.50				80.55
9	Bane Compound Arthur Road.	1961	6	208	...	31.49				57.03
10	Water Street, Byculla.	1961	7	112	...	34.26				
		1962	2	32	...	32.05				
11	Haines Road.	1961	2	80	...	32.05				
12	Sion Scheme 6.	1962	2	80	...	31.50				
13	Body Guard Lines.	1962	8	128	...	32.48				
14	Bapty Road.	1963	1	40	...	34.24				75.40
15	Haines Road.	1963	6	96	...	34.26				70.85
16	Rawli Camp.	1964	14	224	...	33.64				
					11	73.16				136.40
17	Sion Village Blk E.	1964	1	24	...	34.07				69.66
18	Kamathipura C Bk Bapty Road.	1964	1	22	...	34.24	26.98			66.67
19	Do. Bapty Road 'A' Block.	1964	1	26	11	28.81				87.25
						34.21				87.25
										89.91
20	Kamathipura MI Area stable street.	1965	1	41	11	34.26				96.28
21	60 t. Falkland Road 8th X Lane.	1966	1	60	...					
22	60 t. Hains Road.	1966	3	60	...	41.61	25.98			194.81
23	Rawli Camp.	1967	6	240	...	42.38	69.45			73.49
24	Rawli Camp.	1969	5	132	8	42.68				61.00
25	Rawli Camp near Koliwada level crossing Opp. S. S. S. Nagar.	1969	1	32	10	42.68	61.00			147.00
							63.00			shops 153.00 rooms
26	Kamathipura M. I. ares stable street.	1970	1	45	12	56.44	145.00			75.00
							149.00			
27	30 Tenements Peru chawl Lalbaug Gas Work Lane.	1970	1	30	...	39.39				77.82
28	60 t. Rawli Camp.	1971	3	60	...	40.77				81.70
29	Rawli camp BKE 3 & A. 7.	1972	2	44	...	...				100.06
30	230 T and 20 shops Rowli Camp.	1973	...	230	...	...	105.00			252.00
31	Vikroli.	1961	16	396	...	31.51	52.00			57.00
32	Do.	1963	12	348	...	31.51	57.00			55.50
33	Kherwadi Bandra.	1964	17	217	...	34.55	55.50			64.12
34	Tenements along Eastern Express Highway Ghatkopar.	1965	108	1004	...	...				...
35	60 at Bombay Agra Road Ghatkopar.	1966	3	60	...	...				...
36	320 t. at Santacruz.	1966	20	320	...	34.55				64.12
37	200 t. at Match Factory Kurla.	1973	10	200	...	...				...
38	40 t. at Sion Village.	1974	...	40	...	55.00				117.00
39	Rawli Camp.	1972	...	108	12	39.92				170.73
40	20 Tenements at Peru Chawl.	1976.	...	20	...	...				...
41	180 Tenements Match Factory Lane, Kurla.	...	...	180	...	80				160
42	120 Tenements Sion Bhandarwada, Sion.	...	...	120	...	50				122
43	100 Tenements Match Factory Lane, Kurla.	...	...	100	...	100				1,99.72
44	169 Tenements at Kamathipura Existing.	...	...	169	13					160

"F" Statement of percentages of outgoings in respect of Chawls and S. P. Sheds.

Particulars	Permanent Chawls		Permanent ground floors rooms.	
	1981—82	1982—83	1981—82	1982—83
Sanitary Staff and Pumpmen.	10.41	19.92	39.53	47.90
Cost of Management and Establishment.	7.50	7.50	7.50	7.50
Municipal Rates and Taxes.	18.27	19.11	45.07	51.44
Repairs and Maintenance including lighting, vacancies.	50.56	59.57	9.64	9.10
Total	86.74	96.90	101.74	115.94

"G" Statement showing Particulars of Municipal (Improvements) Chawls Cost. Net Annual Returns.

Serial No.	Name of the Chawl	Year in which the site of chawls appropriated of construction of Chawls	Total area of chawls Sq. Metres.	Rate per sq. yd. as in the year given in column 3	Value of the site Cols. 4 & 5	Constructional cost of the Chawls including 1/2 per cent. or management and establishment.	Cost of work value of the land management and establishment charges columns 6 and 7	Interest and Sinking Fund charges on capital outlay at 481 per cent. on column 8 upto 1919 and there after at 635 per cent.
1	2	3	4	5	6	7	8	9
			Sq. Metre	Rs.	Rs.	Rs.	Rs.	Rs.
1	1-4 Agripada A Chawls.	1900	8091.21	8	50,995	1,85,505	2,36,500	10,903
2	5-16 Agripada B Chawls.	1903	9970.85	6	71,550	5,41,639	6,13,189	28,269
3	38-40 Agripada C Chawl.	1903	5226.65	6	37,506	2,79,182	3,16,688	14,599
4	45-46							
4	19-24 Chandanwadi Chawls.	1904	8080.36	16	1,44,960	3,76,915	5,21,875	24,059
5	26-27 Imamwada A Chawls	1905	11239.26	13.8	1,81,467	4,98,582	6,80,029	37,349
	29 30 & 31.							
6	50 Imamwada B Chawl.	1905	793.49	13.8	12,811	19,368	32,179	1,483
7	33-37 Mandvi-Koliwada Chawls.	1908	3485.83	75	3,12,675	2,76,040	5,88,715	27,140
8	52 Workmens Cottage, Matunga.	1905	789.31	5	4,720	12,083	16,803	774
9	17-18, Nagpada C Chawls.	1903	2148.02	7	17,983	82,358	1,00,341	4,676
10	39, Nagpada A Chawl.	1904	1755.04	7	14,693	99,776	1,14,469	5,277
11	28, Princess Street Chawls.	1907	1237.47	30	44,400	42,417	86,812	4,002
12	42-44 } 47-49 } Superibaug Chawls.	1910	6756.77	48	36,364	3,39,878	3,76,242	17,345
13	52-57, Chinch Bunder Chawls.	1913	7108.76	26.66(d)	2,26,560(a)	6,79,622	6,06,182	27,945
14	86-95 Cottege Blocks (Old).	1920	2324.44	10	27,800	36,069	68,869	4,056
15	58-61, Clerk Road Chawls.	1921	3495.86	15	62,715	4,39,814	5,02,529	51,911
16	62 Paise Street Chawls.	1921	2858.73	15	51,285	1,70,863	2,22,145	14,106
17	63-66, Mominpura Chawl (Old).	1921	6488.37	15	1,16,400	4,31,655	5,48,055	34,801
18	67-72, Three room tenements Scheme 5.	1922	4689.85	6	33,654	2,64,717	2,98,371	18,946
19	1973-78 Two room tenements, Scheme 6.	1922	3540.17	6	25,404	2,91,972	3,17,376	20,153
20	79-85 Cottage Blocks (New).	1922	6528.50	6	46,848	69,312	11,660	7,376
21	Blocks 1-19 Bellasis Road Chawls.	1922	29853.19	19	6,78,376	25,75,065	32,52,441	2,66,594
22	1-16 Mazgaon Chawls.	1922	24315.50	10	2,90,810	21,77,079	24,67,889	1,56,711
23	1 Mominpura Chawls (New).	1923	3270.10	20	78,220	3,14,276	3,92,496	24,923
24	1-23, Love Lane Chawls.	1925	11176.50	188	2,47,289	11,36,407	13,83,696	87,865
25	1-10 Sydenham Road Chawls.	1925	10898.28	16	2,04,720	7,78,071	9,82,791	62,407
26	1-2 Paltan Road Chawls.	1946	2721.60	25	85,373	2,32,503	3,13,878	19,93
27	2 Paltan Road Chawls.	1952	9551.85	50	92,777	3,48,544	4,41,321	28,024
28	A-J Sewri Chawls.	1958	5554.41	26	1,66,075	5,06,514	6,72,589	28,120
29	Naigaon Chawls.	1957	3362.08	4	1,60,840	5,59,481	7,20,321	29,110
30	Slon Chawl.	1958	927.27	4	44,360	1,40,842	1,85,202	7,997

Number of tenements, full letting value.

Gross annual rent.	Annual profit+ or loss- i.e. 86-92 per cent. of column 10-9.	Percentage of rate annual return* of 86.02 col. (10) of capital cost (col. 8)	Total Number or rooms	Number of floors including ground floor.	Floor area of rene-ments includ- ing Veran- dah.	Rent per room as on 31-3-1962 inclusive of increase in taxes.	Economic rent Ex- clusive of increase in taxes.	Number of rooms living purposes.	Number of rooms let of Shops. Godowns. or Municipal purposes.
(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rs.	Rs				Sq. ft.	Rs. P.			
47,764	7,989	1.23	312	3	175	7.49	8140	276	1-B 5-D & 50-E.
			(Verhandahl)			10.40			
66,734	24,198	0.66	658	4	110	6.45	7101	926	20-E.
			258		142	7.75	810		
1,20,722	7,235	2.33	433	4	177	7.49	8120	414	18-E.
						9.36			1-F.
4,07,453	27,505	1.26	674	4	125		1060	633	2-D. 9-E.
			857	4		8.95			
					135	11.93	9-13. 10-1	846	2-B, 4-C. & 5-D
						8.31			
1,26,723	31,102	1.09	30	4	160	9.96	Rs. 9-13	30	...
						8.31	10-1, 10-5	Rs. 9-13	30
1,13,386	20,223	1.17	278	4	176	998	1750	222	308-E-26-G.
						10.83			
2,083	647	0.76	15	1	120	12.98	1270	...	...
						9.36			
20,204	3,444	1.23	144	4	148	11.24	9100	144	...
						8.64			
21,813	3,946	1.16	144	4	169	10.34	900	144	...
						8.64			
10,443	3,365	0.74	64	4	136	10.35	1420	64	...
						7.76			
65,736	13,335	1.07	481	4	176	9.30	940	479	1-B,
						8.36			1-F.
1,00,350	21,824	1.01	405	2	176	10.09	1360	372	33-E.
						24.81			
5,382	3,728	0.51	14	1	275	28.80	3800	...	...
						9.62			
55,440	48,530	0.67	325	4	176		13120	320	4-B
						10.66			1-F.
23,898	12,648	0.66	134	4	175	12.82	15130	131	3-E.
						9.36			
48,346	31,852	0.54	246	4	175	11.24	1380	241	6-D.
			(b) 160						
28,864	17,186	0.59	36	4	562	46.34	Rs. 55,60	...	...
						22.81	& 65		
						29.47			
9,717	19,569	0.19	72	3	338		Rs. 35,33,32	...	...
						30.83			
4,698	7,089	2.46	10	3	325		35	...	...
						10.69			
2,74,566	2,49,845	0.51	1,549	3	176	12.83	Rs. 16-5-18-	1,513	20-C7-D & 9 E.
						9.36	6-17-14		
2,09,478	1,43,933	0.52	1,385		176	12.30	Rs. 15-6.	1,263	36-C, 4-D.
						9.36	15-14		S 2-E.
82,110	19,915	1.28	234		3	11.24	1380	227	7-E.
							Rs. 15-9.	792	6-D, 22-E, & 1-F.
1,53,598	78,495	0.68	...	...	176		16-1, 16-9.		
						9.46	17-1, 17-9.		
1,02,375	56,162	0.46	821	4	176	10.69			
							Rs. 15-7.	387	1-B.
						12.38			1-C 1-D.
			391	4	176	26.74	32,33,35		& 1-
			156	4	328		Rs. 15-7.	125	
86,943	42,651	0.70	156	4	180	10.38	Rs. 16, 16-8		24-E.
						11.09	Rs. 35	76	-7-G.
69,798	23,862	0.63	86	4	180				4-E. 6-G.
						26.03	Rs. 35	194	...
44,576	26,391	0.38	194	2	180	27.06			

1	2	3	4	5	6	7	8	9
			Sq. Metre	Rs.	Rs.	Rs.	Rs.	Rs.
31	Wadala Chawls 112 Tenements.	1959	2897.19	40	1,38,640	6,27,259	7,65,899	32,474
32	Wadala Chawls 272.	1960	10068.68	40	4,81,680	15,55,841	20,37,521	86,391
33	Wadala Chawls 144.	1961	6765.13		4,04,550	82,806	12,97,356	55,008
34	Wadala Chawls 160.	1961	6212.45	50	3,71,600	10,13,999	13,86,499	58,745
35	Wadala Chawls 224.	1961	7836.21	50	4,68,600	14,87,658	19,56,258	82,945
36	60 T. Morbag.	1963						
37	Tenements at 144 S. G. Marg.	1968						
38	Jasmiene Mills Rajeshri Shahu Nagar.	1967						
39	10 Steps 40 R. Sion Koliwada.	...						
40	Deonar New Colony.	1967						
41	36 T. Worli.	1969						
42	144 Tenements at Deonar.	1975						
43	252 Tenements at Deonar.	1975						
44	105, Tenements and 13 shops on Plot No. 107, Worli.	1976						
45	40 Tenements at Chowney Gully.	1976						
46	28 Tenements at Abdul Gaffar Khan Road.	1970						
47	130 Tenements at Worli for Municipal Staff & Councillors.	1971						
48	240 Tenements at Haji Ali.	1975						
49	50 Tenements Sakhar Nagar, Wadala.	1977						
50	105 Tenements and 13 shops Worli.	1977						
51	324 T/s. Powell's Land Kandivli.	1979						
52	40 Tenements M. P. Mill Compound.	1979						
53	405 Tenements at Ghatla.	1977						
54	40 Tenements D. G. Mahajani Path Sewri.	1979						
55	300 Tenements at Deonar.	1977						
56	396 Tenements at Deonar.	1973						
57	50 Tenements Bhoiwada Village.	1977						
58	130 Tenements Barve Nagar.	1981						
59	59 Tenements Manmala Tank.	1981						
60	20 Tenements at Peru Chawl.	1975						
61	99 Tenements at Morbag.	1978-79						
62	28 Tenements at Senapati Bapat Marg. 1979							
63	82 Tenements at Dharavi.	1980						
64	50 Tenements at Ganjawal Chawl.	1982						
Total			2,65,288	...	54,30,602	91,81,087	246,14,689	12,96,415

(a) Rs. 8-0- for 8 larger rooms (double) rooms having partition inside.

(b) Represents loans.

(c) The figure represents the value of Rs. 40 per sq. ft. of the site situated between the 25 road and the Railway and measuring 5,666 sq. yds. figs arrived at by dividing by 8,496 yds. Calculated at 4.2 percent.

A—Includes rooms ren. free nil Sweepers.

B—Rooms used for Office and Stores.

C—do. temporarily occupied by Schools.

E—do. do. do. Shops.

F—do. do. do. Gymnasium.

G—do. do. do. Godowns.

(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rs.	Rs.				Sq. ft.	Rs. P.			
10,343	7,366	0.34	120	4	190	22.91 24.20	Rs. 36—10 Rs. 4	120 24	...
72,091	28,076	0.57	24	4	237	21.86 29.43			
1,60,831	49,602	0.42	112	4	273	50.33	...	...	...
88,620	53,276	0.39	272	4	...	31.50	...	...	...
89,663	76,043	0.35	144	4		47.00			
1,13,145	...	...	160	4		64.00			
			224	4		66.50			
			60			67.50			
			150			07.00		60	
			1040						
			50	...	...	...	40	40	10—E.
			582	...	...	...	...	578	3—B, I—C.
			30						
25,37,893	-26,24,047	18,949	13,484	...	...	...	...	...	...

*5—B, 61—C 35—D, 180—E, 4—F 72-G.

REMARKS
 1 Bldg. on ownership "D" type. Ownership.
 A Type 3 bldgs. 1 Ownership.
 B Type 2 bldgs. for staff.
 C Type 3 bldgs. 2 Bldgs. Ownership
 2 Bldgs. Nair Hospital.
 1 Hostel.
 1 for Staff.

"H" Statement of Tenements constructed from Budget 'A' for Municipal General Staff :—

Serial No.	Locality	Year of construction	No. of structures	No. of tenements	Subsidised Rent		Standard Rent.
					Maximum	Minimum	
					Rs.	Rs.	Rs.
					(Subsidised rent at Rs. 12 per 100 Sq. ft.)		
1	Gilder Lane Tenements.	1958	4	144 (64)*	62.52 39.85		103.30 71.93
2	Alphinstone Road.	1958	3	72	28.33	20.69	45.89
3	Surya Cinema Tenements Naigaum.	1958	2	48	28.33	20.69	45.15
4	Chinchpokli Tenements Arthur Road.	1959	2	32	34.21 33.05 37.28 35.05	29.41	59.39
5	Maratha Hospital Compound, Byculla.	1959	4	64	38.17 40.17		57.67
6	Worli Tenements Dr. Annie Beasant Road.	1961	7	112	36.91 36.25 37.08 37.77	29.41	71.82 75.69 77.44
7	40 tenements Maratha Hospital Compound.	1965	2	40	36.11 35.65 37.12 38.08	...	79.88 78.84 82.12 84.20
8	Maratha Hospital Compound, Byculla.	1962	2	16 8@	45.22 41.81 74.75	...	77.19 77.16 125.04
9	88 tenements near Wadala Railway Station.	1966	3	88 22	...	24.57	61.35 (for Rooms) 146.41 (for Shops)
SUBURBS							
1	Khar Tenements Hasnabad Lane.	1961	5	60	44.02	40.63	76.22
2	18 tenements at Khar.	1968	...	18	89.47	43.13	...
3	Tata Compound Andheri.	1970	3	80	...	...	93.00

* Three room tenements. Rest are two rooms tenements. @ Four room tenements.

"J"—Comparative statement of demand, collection, etc. in respect of permanently leased plots.

Particulars.	1980	1981	1982	1983
(1) Number of Tenancies.	4393	4398	4404	4409
(2) Balance of arrears in lacs of rupees.	69.70	80.86	88.19	95.55
(3) Demand for the year in lacs of rupees.	63.56	69.19	69.03	70.63
(4) Total demand including arrears in lacs of rupees.	129.36	147.06	157.23	166.18
(5) Amount collected in lacs of rupees.	59.65	60.61	63.85	69.68
(6) Percentage of collection to the demand including arrears.	46.11	41.21	40.61	41.93
(7) Percentage of collection to the demand for the year.	93.85	87.60	92.50	98.65
(8) Percentage of arrears to amount for collection.	63.88	54.98	56.09	57.80

MUMBAI FIRE BRIGADE

SALIENT FEATURES :

Expenditure	: Rs. 3,76,05,530/-
Income	: Rs. 2,62,50,000/-
Fire Stations.	: 20.

EMERGENCY CALL :

Fires : 3269;	House Collapse Calls	: 467;
Rescue Service Calls : 502;	False Alarms	: 117;
Other Service calls : 1316.		
TOTAL : 5671.		

AMBULANCE CALLS :

Accidents.	: 1049; Maternity : 148;
Free for Fire Brigade Staff	: NIL; Free for poor Cases : NIL;
Hire	: 1274;
TOTAL : 2471.	

FIRE PREVENTION WORK :

Premises inspected for rendering advices on fire protection and fire prevention measures : 9316.

The high lights of the administrative events for the year under report are as under :—

(1) Income & expenditure :

The annual receipts by way of fire tax and other receipts aggregated to Rs. 2,62,50,000/-

The total expenditure including Revenue Expenditure and Debt charges towards capital expenditure amounted to Rs. 3,76,05,530/-

(2) Premises :

(a) Fire Stations :

There were 20 fire stations during this period and no new fire station was commissioned.

(b) Construction of Malad Fire Station is almost completed and is expected to be commissioned in the first quarter of 1986-87.

(c) Remodelling of Memonwada Fire Station is also in progress and 80% of the work has been completed.

(d) Tenders for the pile foundation work of Administrative Building and Drill tower at the Fire Brigade Head-qtrs. Byculla and fire stations at Bandra (West) and Back-bay Reclamation were invited.

(3) Communications :

There were no major changes in the existing communications set-up direct telephone line is installed at Kandivali.

(4) Appliances and Equipment :

Supply orders for the supply of the following appliances were placed during the year and some of them were received.

(i) Hydraulic Platforms (30 mtrs. height)—One complete Unit was imported from U. K. and handed over to Messrs. Kooverji Devshi & Co. Pvt. Ltd., for body building.

(ii) Portable fire pumps (1200 litres/minute capacity)—20 pumps were received.

(iii) Vehicles for carrying High Pressure Pumps—4 Units were received.

(iv) V.H.F. Wireless Sets (Static and Mobile—32, Handheld—14)—46 sets were received.

(5) Emergency Calls :

The Brigade responded and rendered services wherever necessary at a total of 5671 incidents, the break up of which is given below :—

Fires—3269; House Collapse Calls—467;
Rescue Service Call—502; False Alarms—117;
Other Service Call—1316.

The above includes one call in outside Municipal Limit on 13/4/1985 at Messrs. Allana Cold Storage Pvt. Ltd., M.I.D.C. Industrial Estate, Thana, Vashi (New Bombay).

(6) Casualties :

The number of casualties in fires and other incidents is given below—

Type of Incident	Dead	Injured	Total
Fires	95	307	402
House Collapse Calls	99	270	369
Rescue Service Calls	134	148	282
Other Service Calls	204	497	701
	<u>532</u>	<u>1222</u>	<u>1754</u>

NOTE : Out of 95 deaths in fires, 48 were suicide cases, out of 134 deaths in Rescue Service Calls, 101 were due to drowning.

(7) Casualties Among Brigade Personnel :

A total of 25 Brigade Personnel—sustained injuries while rendering services at different emergencies.

(8) Fire Loss :

The property losses due to fire were estimated at Rs. 4,39,50,763/- including the damage of Rs. 3,29,63,073 to insured property and goods. Total property involved in fires and saved by the Brigade was estimated at Rs. 67,97,07,689.

(9) Water Supplies and Sources :

The approximate quantity of water used for extinguishing fire was 1,89,82,322 ltrs. Out of which 1,50,30,898 Litres. 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 11476.

The water sources available for fire fighting purpose are listed under Appendix 'V'.

(10) Ambulance Services :

The ambulance services, comprising of 11 ambulances, continued to attend hire calls, maternity calls, etc. in addition to fires and other emergencies. The details of calls responded to by the Ambulance service are given below—

Accident Calls	— 1049;	Hire Calls	— 1274;
Maternity calls	— 148;	Free for Brigade staff	—NIL.
Free for poor cases	— NIL.		
TOTAL :	2471.		

In all 2559 persons were removed in ambulances and first-aid to the injured was rendered on 233 occasions. The total receipts during the year on account of Ambulance hire charges aggregated to Rs. 25,656/-

(11) The details of the number of fire prevention cases received, their classification etc., are furnished below : —

Year	Total Cases received	Total cases disposed off
1984-85	8877	8198
1985-86	9316	8565

(11-A) Type of fire prevention cases received during the year 1985-86.

Total cases received	Cases disposed off	Type of Cases &	Nos.
9316	8565	Municipal Wards	3350
		Licence Cases	3462
		Building Proposal	70
			100
		Commissioner of Police	15
			70
		Dramas &	441
		Cinema N. O. C.	450
		Complaint Cases	668
			303
		Multi-storeyed Buildings.	387.

(12) Deputation of Fire Officers :

- (a) Shri N. A. Khatib, Dy. Chief Fire Officer, continued to be on deputation to the Reserve Bank of India, Mumbai.
- (b) Station Officers Shri S. V. Sulakhe and Shri Sharad Dalvi were deputed to the National Fire Service College, Nagpur, to attend Divisional Officer's Course.
- (c) Station Officers Shri S. A. Mali and Shri B. S. Patel are deputed to the National Fire Service College, Nagpur, to attend Station Officers & Instructors' Course.

(13) Other activities :**(a) Annual Fire Drill Competitions :**

The Annual Fire Drill Competitions were held at Dadar Fire Station. All Fire Stations participated in drill competitions. Shri Chhagan Bhujbal, Mayor of Mumbai was the Chief Guest at the function and prizes to the winners were given away at the hands of the Hon'ble Mayor. Additional Municipal Commissioner Shri S. Ramamurthi presided over the function.

- (i) Team of Memonwada Fire Station led by Station Officer Shri S. V. Sulakhe stood first in Extension Ladder and Motor Pump Drill and was awarded Palamcot Memorial Shield.
- (ii) Team of Dadar Fire Station led by Station Officer Shri M. M. Desai won first prize in Trailer Fire Pump Drill and was awarded Municipal Commissioner's Challenge Cup.
- (iii) Team of Dadar Fire Station led by Station Officer Shri M. M. Desai was selected the Best Team and was awarded V. G. Pawar Memorial Trophy.
- (iv) Station Officer Shri J. A. H. Malik of Chembur Fire Station was awarded Chief Officer's Rotating Trophy for "Best Individual Performance"
- (v) Leading Fireman Mubarak Ibrahim Shaikh was awarded Cash Prize of Rs. 100/- for being adjudged as "Best Fireman" for the year 1985-86.

(b) Sports :

As usual, the Annual Sports in various games and athletic events were held during the month of November and December 1985. Annual Sports Day was organised on 10th January 1986 at the Topiwala Gymkhana. Staff members from all the Fire Stations participated. Shri S. Ramamurthi, Additional Municipal Commissioner was the Chief Guest. Prizes were given at the hands of Smt. Vatsala Ramamurthi to the winners of various events. The Sports events were successfully organised with the assistance of Shri Gole, Shri Patel, besides the Brigade officers and staff members.

(c) Observance of Fire Service Week :

As usual, Fire Prevention Week (8th April to 13th April 1986 and the Fire Services Day 14th April 1986) were observed by the Brigade in close co-ordination with the other Fire Services in Greater Bombay, different social organisation and the All India Fire Equipment Manufacturers' Association. Number of fire-fighting demonstrations were arranged in different localities in Greater Bombay. Lectures on Fire Prevention for various groups of people were delivered. Posters and pamphlets were distributed freely and slides were exhibited on T.V. Discussions and talks were broadcast on All India Radio and telecast Doordarshan. All these activities were aimed at increasing the awareness of Fire Hazards and to promote the knowledge of Fire Prevention among the citizens.

(d) Publicity through All India Radio, T. V., News Papers, etc. :

During the week following programmes were arranged on All India Radio.

- (i) Interview of a Fire Officer in a programme "Prabhat" on 8th April 1986. Divisional Officer Shri K. D. Jape participated.
- (ii) Discussion in Marathi Programme "Ghati Bheti" Chief Fire Officer participated. Bombay Doordarshan arranged telecasting of following programmes during the week.
 - (i) Interview of Shri D. S. Parab, Sub-Officer in Dnyandeep" on 8th April 1986.
 - (ii) Shri D. J. Kulkarni, Dy. Chief Fire Officer, Shri G. N. Sawant, Divisional Officer and Shri T. A. Dhawade, Fireman, participated in a programme "Vyavasay Margadarshan" which was telecast on 10th April 1986.
 - (iii) Shri V. B. Nikam, Chief Fire Officer, Shri Khdikute Inspector of Factories and Shri R. N. Raikar, Consultant in Civil Engineering participated in a group discussion on T. V. under the programme "Kamgar Vishwa" on 9th April 1986.

(e) Inauguration of Fire Prevention Week :

The Fire Prevention Week was inaugurated by organising a combined ceremonial parade of various Fire Service viz. Mumbai Fire Brigade, B. P. T., Naval Dockyard, Central and Western Railway, I.A.A.I., Bombay Salvage Corps, Home Guards and Civil Defence on 8th April 1986 at the Cross Maidan. Shri Vilas Sawant, Hon'ble Minister of State for Urban Development was the Chief Guest. The Programme was concluded with a combined fire fighting and rescue demonstration. The Chief Fire Officer and the Fire Adviser to the Government of Maharashtra called on Hon'ble Chief Minister of Maharashtra for inauguration of sale of Flags.

(f) Seminar on "Fire Protection in Industrial Establishment"

For the first time, a one-day Seminar on "Fire Protection in Industrial Establishments" was organised on 11th April 1986 at Tejpal Auditorium. The Seminar and the Exhibition were inaugurated by Dr. V. Subramaniam, Hon'ble Minister for Housing, Maharashtra State. The Seminar proved a success and the people who attended were largely benefited. Shri S. Purshottama, Assistant General Manager, Loss Prevention Association of India, Shri Veer Raghavan, Fire & Safety Manager, Hindustan Petroleum and Shri K. R. Eshwaran of Messrs. Mather & Platt presented papers in the morning session followed by Shri V. V. Rao, Deputy Chief Fire Officer and Shri V. Krishnan, Dy. Chief Inspector of Factories, Government of Maharashtra in the afternoon session.

(g) Articles in Maharashtra Times :

Articles on development of Mumbai Fire Brigade and on Fire Protection and Prevention, written by the Chief Fire Officer, appeared in the Maharashtra Times.

(h) Prayer Meeting :

A Prayer Meeting was held at Fire Brigade Headquarters, Byculla, on 14th April 1986 at 0900 hours to commemorate the gallantry of Officers and men who laid down their lives fighting fire in Dock Explosion of 1944 and thereafter Shri J. G. Kanga, Municipal Commissioner, Shri S. Ramamurthi, Additional Municipal Commissioner (R), Shri V. B. Nikam, Chief Fire Officer, placed wreaths at the Memorial followed by the representatives of all the Fire Station in Greater Bombay and various Fire Services.

(i) Republic Day & Maharashtra Day :

The Brigade participated in the ceremonial parades organised on Republic Day and Maharashtra Day as usual along with the police, Home Guards, Civil Defence and other organisations.

(j) Awards :

The following Medals were announced.

Independence Day 1985.

- (i) President's Fire Service Medal for Distinguished Service : Shri V. B. Nikam, Chief Fire Officer.
- (ii) Fire Service Medal for Meritorious Service : Shri G. D. Ganvir, Divisional Officer.
Shri N. B. Patil, Asstt. Divisional Officer (Chief Foreman).
Shri M. V. Bhosle, Driver Operator.

Republic Day 1986.

- (i) Fire Service Medal for Meritorious Service : Shri D. S. Parab, Sub-Officer.

(14) Fire fighting training to outside candidates :

Candidates undergoing various courses were deputed to this department for practical attachment as well as Industrial tours to study Fire Prevention and Protection measures, adopted by various Industries in Greater Bombay. The Courses are :

- (a) B. E. (Fire).
- (b) Sub-Officers' Course.
- (c) Station Officers & Instructors' Course.
- (d) Divisional Officers' Course.

Candidates of B. E. (Fire) Course were deputed in two batches, each for a period of three months. For other courses the candidates for a short period, ranging from two weeks to six weeks were deputed to this department.

Candidates undergoing training at Home Guards and Civil Defence training centre, Cross Maidan were deputed for study of working of this department every month.

Fire fighting demonstrations were arranged during the year for the benefit of the candidates from Local Self Government and also for school children from a number of schools in Brihanmumbai.

(15) Scholarships :

Scholarships to the Children of the staff members was given from the interest accrued on the "Grains Stores Fund" deposited in the Bank. The scholarships ranging from Rs. 15/- to Rs. 75/- were given to the children of staff members studying in Standards IV to XII only.

(16) Training of Officers abroad :

During the year 1985-86, no officer was deputed abroad for training.

APPENDIX-I

Statement showing the details of appliances and equipments during the year 1985-86.

Sr. No.	Type of appliances/equipments	Quantity	Remarks
1	2	3	4
1	Motor Turn Table Ladders :		
	(a) 30 metres extension (T.T.L.1, T.T.L. 4 and D.L. 30).	3 Units	
	(b) 37 metres extension (T.T.L. 3 & DL 37).	3 "	
	(c) 50 metres extension (DL 50)	1 Unit	
2	Hydraulic Platforms :		
	(a) 30 metres height	2 Units	
	(b) 16 metres height	4 "	
3	Motor Pumps :		
	(a) With wheeled escape or Angus 464 Ladders	27 "	
	(b) With extension ladders	35 "	
4	Emergency Rescue Tenders :		
	(a) Motor Emergency Tenders	1 Unit	
	(b) Rescue Tender (Model RW1)	2 Units	
	(c) Rescue Tender (Model RW2)	1 Unit	
5	Breathing Apparatus Van	1 "	
6	Control Post Van	1 "	
7	Water Tankers :		
	(a) Fixed Chassis type	4 Units	
	(b) Tractor with trailer type	7 "	
	(c) Tankers on trailer only (spare)	5 "	
8	Pumps :		
	(a) Trailer Pumps (400 g.p.m.)	18 Nos.	
	(b) Portable Light pumps (120 g.p.m.)	10 "	
	(c) Portable High Pressure pumps (400 g.p.m.)	14 "	
	(d) High Pressure pump on Trailer (Kirloskar make)	2 "	
	(e) Portable Fire pumps (1200 lts./minute capacity)	20 "	
9	Motor Ambulances :	16 "	
10	Breathing equipments		
	(a) Compressed Air type Breathing Apparatus (open circuit)	110 Sets	
	(b) Oxygen type Breathing Apparatus (closed circuit)	2 "	
	(c) Gas Mask (Filter type)	42 "	
	(d) Breathing Air Compressor	1 Unit	
	(e) Test Bench for Compressed Air Breathing Apparatus	1 "	
1.1	Air Compressor (industrial type) on Trailer for operating Pneumatic tools	1 "	
12	Power Cutters (Self-propelled)	5 Nos.	
13	Rescue Saw (Self-propelled)	3 Nos.	
14	Portable Electric Generators	2 "	
15	Automatic Fire Escape (Day's make)	5 Nos.	
16	Pneumatic Lifting Bags (different sizes)	11 Sets	
17	High Expansion Foam Generators	4 Nos.	
18	Protective Clothing Suits for Personnel	100 Suits	
19	Delivery Hose (RRL type) in stock		
	(a) 2 3/4" dia.	26,340 Metres	
	(b) 1 1/2" dia.	5,940 "	
	(c) Delivery Hose (Nylon type) in stock 2 3/4" dia.	600 "	
20	Other Vehicles		
	(a) Jeeps	19 Nos.	
	(b) Mini Bus	3 "	
	(c) Cars	2 "	
	(d) Station Wagon	1 No.	
	(e) Staff Van	1 "	
	(f) Motor Trucks	4 Nos.	
	(g) Three Wheeler Tempo	1 No.	

APPENDIX—II

Brief details of serious fires during the year 1985-86.

Sr. No.	Date & Time	Place	Business	Extinguished by	Description of damage	Estimated Loss Rs.
1	2	3	4	5	6	7
1	9-4-85 0157 hrs.	Milan Industrial Estate, Tokersi J. Rd., Kalachowkie, Near Abhyudaya Nagar, Cotton-green, Mumbai—33.	Industrial Estate.	Firemen with 14 motor pumps.	Printing press unit with papers, wooden furniture, wooden lofts, chemical, plastic material, electric wiring, machinery, electrical fixtures in about 14 industrial units on first floor & second floor of a six floored industrial estate severely damaged by fire, heat, smoke and water.	To be assessed by Insurance Surveyor.
2	13-4-85 0310 hrs.	M/s. Allana Cold Storage Pvt. Ltd., M.I.D.C. Industrial Estate, Thana-Belapur Road, Vashi (New Bombay).	Cold Storage.	Thana-Vashi B.F.B. firemen with 4 jets from 4 pumps & with foam, CO ₂ , etc.	Large stock of various types of dry fruits in cold storage, Gala No. 9 severely damaged by fire, heat, smoke & water. Electric installation, wooden loft, installation of cold storage of Gala No. 9 & 10, etc., severely damaged by fire, heat, smoke & water, & small stock of various types of dry fruits in Gala No. 16, severely damaged by fire, heat, smoke & water. (In all seven injured).	To be assessed by Insurance Surveyor.
3	17-4-85 1648 hrs.	Opp. Bldg. No. 191, Kannamwar Nagar Eastern Express Highway, Mumbai—83.	Transport.	Firemen with 2 jets from 2 pumps.	A motor truck severely damaged & about 7 tonnes of paper rolls severely damaged by fire, heat, smoke & water.	—do—
4	22-4-85 2311 hrs.	Minerva Industrial Estate, 'A' Bldg., L.B.S. Marg, Mulund (West).	Private.	Firemen with 5 engine lines.	Account books, large stock of paper, gales jars, paraffin wax, machinery, office files, records, furniture, stock of poly-propelene granules, natural rubber, synthetic rubber, finished rubber goods, electrical installations & fixtures severely damaged by fire, heat, smoke & water. A.C. sheet roof, brick walls, iron grills, severely damaged by fire, heat, smoke & water.	5,94,000
5	4-5-85 0245 hrs.	Subhash Nagar, Jangleshwar Mahadeo Mandir Marg, Asalfa Village, Ghatkopar (W), Mumbai—86.	Iron scrap merchant & others.	Firemen with 4 jets from 4 motor pumps & cutting off the current.	Stock of various kinds of wooden, plastics papers, wooden furniture, gunny bags, corrugated paper rolls, machinery, household articles, etc. severely damaged by fire, heat, smoke & water, brick & G. I. sheet walls, A.C. sheet roof, windows, doors, shutters, electrical installation & fixtures of about 14 ground floored, bricked & G.I. sheet walled structures severely damaged by fire, heat, smoke & water.	2,53,000
6	14-5-85 0322 hrs.	S.A. Textiles, 'B' Block, Gala No. 1 & 2, Ghatkopar Industrial Estate, Ghatkopar (West), Mumbai—86.	Textiles.	Firemen with 3 jets from four motor pumps and cutting off current.	Large stock of synthetic cloth, (loose as well as in rolls), machinery, steel furniture, office files, records, account books, cloth samples, etc., severely damaged by fire, heat, smoke & water. Electric installations, wooden lofts, steel frames of the wooden loft, A.C. sheet roof, paintwork of the walls, severely damaged by fire, heat, smoke & water. (In all one injured).	10,00,000
7	24-5-85 0300 hrs.	P.C.M. Bombay Telephone Stores, C/o. The Phonix Mill Ltd., 4632 Senapati Bapat Marg, Lower Parel, Mumbai—13.	—	Firemen by 2 lines of 5 motor pumps.	Electronic goods, 18 P.C.M. line repeater, housing with tail and cables, No. of terminal base etc., packing material & other goods severely damaged by fire, heat, smoke & water.	17,00,000

1	2	3	4	5	6	7
8	26-5-85 1038 hrs.	Indian Gum Industries Ltd., 60-A, Kurla Andheri Road, Sakinaka, Bombay—72.	Mfg. of guar gum.	Firemen with two small lines of MP 17 & 24.	Large quantity of thermic oil, furnish oil pannel board, electric motors, pumps, gages, pipe lines, lower machine, burner, assembly allu- minum reflectors, etc. severely damaged due to fire, heat, smoke and water and electric installation, A.C. sheet roof severely damaged by fire heat, smoke and water.	Being assess- ed by Insurance Surveyor.
9	2-6-85 1251 hrs.	Mascent Road, Haji Bunder, Sewree, Bombay—15.	—	Firemen with 9 lines of 12 pumps & + C.D. 2 Lines of B.P.T. Fire Brigade.	Large quantity of verious unknown chemicals, chemical powder in poly- thene, bags, etc. severaly damaged by fire, heat, smoke and water. And chemical reaction unknown chemi- cals i.c., naphthalene (5560 bags,) Paraformide and 56 drums contain- ing unknown chemicals. (In all five injured (Firemen).	—do—
10	12-6-85 1856 hrs.	144/146, Esplanode Mansion, A.S. D'Mellow Road, M. G.Rd., Jan., Bombay—1.	—	Firemen with five lines of 6 motor pumps.	Ceiling of third floor, and doors & windows, house hold articles, furni- ture, electric wirings, A.C. machines, cloths, cupboards, office records, carpet painting colour, severely damaged by fire, heat, smoke and water.	—do—
11	2-7-85 1750 hrs.	Janus Pharma Pvt. Ltd. 307, T.V. Indl. Estate, Sudam Kalu Ahire Marg, Worli, Bombay—25.	—	Firemen with one small engine line of three motor pumps.	Stock of different kinds of medicines,—do— pharmaceuticals, finished goods, packing materials, office papers, stationery, typewriter, furnitures, etc., and wooden loft, window frame works, doors, electric installation airconditioner, ducting telephone, etc., severely damaged by fire, heat, smoke and water.	—do—
12	11-7-85 0725 hrs.	Matunga Central Railway Workshop, Tilak Bridge, Dadar, Bombay—14.	—	Firemen with two lines and by Rly. Fire Brigade, with one line with in all five M.P.s.	Entire first class coach severaly damaged by fire, heat, smoke and water.	Rs. 2,00,000
13	29-7-85 0815 hrs.	Kapoor Printing works, Gamdevi, Bhandup (W), Bombay—79.	Textiles Processor, & Printing & Fabrics.	Firemen with three lines two motor pumps.	Thermopack boiler and its circulat- ing pump with motor, blower, motor boiler, firing unit, panel control, one expansion tank, oil pipe lines, other pipe lines, boiler chim- ney with ducting, four fuel storage tank, large stock of black grey cloth and printed cloth etc. and A.C. sheet and steel framed of a ground floored shed (boiler house), severely damag- ed by fire, heat, smoke and water.	Rs. 1,20,000
14	31-7-85 1946 hrs.	39, Kitchen garden Lane, Jai Mahal Bldg., Lohar Chawl, Bombay—2.	Commer- cial/eat- ing house.	Firemen with 3 small engine lines of two motor pumps, & cutting off current.	Furnitures, eatables, wooden loft, kerosene oil, office records, edible oils, electric installations, cupboard boxes containing lamps and tubes, electric fittings, and sign board, main entrance metal door, severely damaged by fire, heat, smoke and water.	Rs. 96,000
15	2-8-85 0732 hrs.	Girikunj Indl. Estate Off Mahakali Caves Road, Andheri (E), Bombay—93.	Plastic moulding & Mfg. electric goods.	Firemen with 5 engine lines of 5 motor pumps.	A few meters of electric wiring, injection moulding machines, air conditions, machines, oven grinder, stock of raw materials, office furni- tures, fittings and fixtures, buffing machines, drill machines etc. and some portion of office cabin, wooden loft, windows, doors, shutters, having steel frames, A.C. sheet roof etc. severely damaged by fire, heat, smoke and water.	Being assess- ed by Insurance Surveyor.

1	2	3	4	5	6	7
16	22-8-85 0200 hrs.	The New Great Eastern Spinning & Weaving Co. Ltd., 25-29, Dr. Ambedkar Rd., Bombay—27.	Textile Mill.	By 4 water lines of 4 motor pumps by Firemen.	Wooden trusses & ceiling portion, timber frame tiled roof, electric wiring, electric fixture & Polymerising machine, electric motors, some cloth rolls, finished and unfinished etc. severely damaged by fire, heat, smoke & water. Some cloth rolls damaged by water.	Rs. 1,00,000
17	24-8-85 0325 hrs.	136, Pandit M.M.M. Marg, Suryodaya Mills Compd., Tardeo, Bombay—34.	Mfg. of Rubber goods and rubber sheets, & Others.	Firemen with 11 engine lines from 20 M.P.s.	Large stock of synthetic rubber, rubber under process, large stock of sulphur, combustible liquids, plastic articles, machinery, furniture, etc., and the brick walls wooden mezzane floor, R.C.C. flooring iron grinders, steel frames, cement sheets, etc., wooden lofts, etc., severely damaged by fire, heat, smoke and water. (In all one injured).	Being assessed by Insurance Surveyor.
18	27-8-85 0100 hrs.	M/s. Plasto-chem, Fabrication, Jayantial Compd., Trombay, Vithal Narayan Purav Marg, Bombay—88.	Fabrication.	Firemen with 3 engine lines.	Large quantity of poly plastics, P.V.C., H.D.P., sheets, paper rolls, oven, machinery, eight drums containing resins, electric motors, wirings, etc., and A.C. sheet roof, timber structure, etc., severely damaged by fire, heat, smoke and water.	Rs. 2,10,000
19	30-8-85 0318 hrs.	Laxmi Indl. Estate, Veera Desai Rd., Oshivra, Versova, Andheri (W), Bombay—58.	Mfg. of readymade garments and others.	Firemen with four lines of four motor pumps.	Large stock of cotton cloth, cotton bales, readymade garments, furnitures, 3 A.C. machines, Office records, 15 electric irons type writers, etc.; and A.C. roof, steel framed electric installation and fixtures, office cabin, plaster of side walls, windows, glass etc., severely damaged by fire, heat, smoke and water.	Rs. 6,40,000
20	15-9-85 0329 hrs.	Unit No. 202, 201, Sant Bhavan Sharma Indl. Estate, Walbhat Rd., Goregaon(E), Bombay—83.	Mfg. of corrugated paper box.	Firemen with 4 lines of 5 motor pumps.	Large Stock of boards, corrugated papers and boxes, printed papers, craft papers, corrugated sheets, corrugation machines, pasting machines, office papers, office cabins, office furnitures, ceiling fan, and tube lights, etc.; and loft, electric wirings, and its installation, ceiling portion and shutters, etc., severely damaged by fire, heat, smoke and water.	Being assessed by Insurance Surveyor.
21	27-9-85 1834 hrs.	Gala Mansion, S. K. Bole, Marg, Agarbazar, Dadar, Bombay—28.	—	Firemen with 2 small and 2 big lines of 4 motor pumps.	Large stock of rexins, P.V.C., leather cloth pieces, gunny bags stick of utensile, stock of printing papers, printing ink, machine oil, wooden cases, one printing machine, one wooden table, spare motor parts, tin sheets, office records, severely damaged by fire, heat, smoke and water.	Rs. 1,40,000
22	10-10-85 2045 hrs.	B-Shed, Haji Bunder, M.S.R. Rd., Sewree, Bombay—15.	Godown	Firemen with 6 motor pumps.	Large stock of inflammable solvent such as solvent naphtha, methyl alcohol and various other chemicals such as isopropyl alcohol, tri-chloro ethylene, phosphoric acid, coal tar dyes, etc., ground floored, brick walled, A.C. sheet ware house, windows, A.C. roof, window panes, doors of the warehouse etc. severely damaged by fire, heat, smoke and water.	Rs Being assessed by Insurance Surveyor
23	14-10-85 2031 hrs.	Ranu Knit wear, Gala No. 39, 1st floor, Jai Bharat Indl. Estate, Behind Kohinoor Indl. Estate, Off Western Express Highway, Goregaon (E), Bombay.	Mfg. in readymade garments.	Firemen with 4 small engine lines of four motor pumps, & by cutting off current.	Large stock of semi-finished and finished hosiary goods, cloth, sewing & other machines, electric installation, fixtures, office records, etc., and wooden loft rolling shutters, severely damaged and paint work of the wall severely scorched due to fire, heat, smoke and water.	—do—

1	2	3	4	5	6	7
24	19-10-85 1216 hrs.	M/s. Packing paper products, B-Cross Road, MIDG area, Andheri (E), Bombay—93.	Paper covering & Others.	Firemen with 7 engine lines from 9 motor pumps.	Large quantity of packing papers, and draft papers in rolls, cardboard boxes, oil, machinery, wooden furni- ture, wooden and plastic crates, with empty bottles, electric installation, A. C. sheet roofed, iron angus, windows, doors etc. severely damaged by fire, heat, smoke and water. (In all one injured).	Rs. 16,00,000
25	25-10-85 1424 hrs.	Sanjay Nagar Hutment, Marol Pipe Line, Andheri-Kurla Road, Andheri (East), Bombay—59.	Private.	Firemen with 4 lines of 4 motor pumps.	Household articles, food grains, uten- sils, clothes, steel trunk personnel belongings etc. and large number of bamboo matting huts severely damaged by fire, heat, smoke and water. (In all one injured).	Being assess- ed by Insurance Surveyor.
26	30-10-85 2355 hrs.	The New Mahalaxmi Silk Mills, Mathurthas Mills Compd. N. M. Joshi Marg, Bombay—13.	Silk Mill.	Firemen with 4 lines of 5 M.P.s.	A thermopac boiler, H.S.D./few litres, of thermic fluid, electric instal- lation pipe fittings etc., and timber framed partly, A.C. sheet roofed, tiled roofed structure, ele. fittings & fixtures, etc., severely damaged by fire, heat, smoke and water.	Rs. 1,60,000
27	3-11-85 1604 hrs.	Dattatraya Rd., Santacruz (W), Near Santacruz Police Stn., Bombay—54.	Auto car re- pairs garage.	Firemen with 3 lines of 4 motor pumps.	Four pvt. motor cars, some tyre, and tubes, gas welding sets, wooden furnitures, compressor, electric in- stallation and wooden door, C. I. sheet roofed of garage and hut- ments, etc., severely damaged by fire, heat, smoke and water.	Rs. 1,09,100
28	11-11-85 1218 hrs.	Kohinoor Mills Ltd. No. 3, Jamshetji Rd., Shivaji Park, Dadar, Bombay—28.	Textile Mills.	Firemen with one big lines from Mills hydrant and one big line from M.P.2.	Thermopac oil boiler, large quantity of thermic fluid pressure and temper- ature gauges, pipe lines, chimney trunk collections, electric blowers, extended part of side boiler and A.C. sheet roof of the structure etc. severely damaged by fire, heat, smoke and water.	Being assess- ed by Insurance Surveyor.
29	14-11-85 2011 hrs.	M/s. V. H. Thakkar & Co., Navalkar Wadi, Bandivali Village, Caves Rd., Jogeshwari (E), Bombay—60.	—	Firemen with 8 motor pumps.	Large stock of empty gunny bags, the entire tin shed of affected godown, some quantity of gunny bags, and window of ground and 1st floor of the adjoining structures, four hut- ments including house articles, etc., severely damaged by fire, heat, smoke and water.	Rs. 1,60,000
30	18-11-85 2006 hrs.	M/s. Woollen & Textiles Indl. Pvt. Ltd., Lake Marg, Bhandup (W), Bombay—78.	Woollen mills.	Firemen with cutting off current and small engine line.	A carding machines, unit, stock of woollen yarn, woollen rags, woollen blanks, carding wiring, carding parts, and stores, engineering stores, condenser tapes, eccentric gear, V-belts clothings, wires, cab- les, canvas belt etc. and A.C. sheet roofed and electric wiring and in- stallation were severely damaged by fire, heat, smoke and water.	Being assess- ed by Insurance Surveyor.
31	19-11-85 1423 hrs.	Vile Parle (E), Parle Biscuit Co., Bombay—57.	Biscuit Products.	Firemen with 4 lines of 4 motor pumps.	Insulating materials of the air condi- tion ducting, and false ceiling and electric wiring severely damaged by fire, heat, smoke and water.	Rs. 1,60,000
32	21-11-85 1235 hrs.	Momanpura Welfare Society, Baiganwadi Plot No. 39, Bombay—43.	Private.	Firemen with 3 engine lines.	Number of handlums, food grains, house hold articles, utensils, wooden furnitures, etc., and about 115 hutments of bamboo mating other temporary construction severe- ly damaged by fire, heat, smoke and water.	Rs. 3,55,000

1	2	3	4	5	6	7
33	30-11-85 2222 hrs.	M/s. Kanchan Indl. Estate, Jivansilk Mills Lane, Safed Pool Sakinaka, Bombay—72.	Mfg. of ready- made gar- ments & others.	Firemen with the help of 4 engine lines.	Large stock of readymade garments, some stock of textile bales, large stock of synthetic fabrics, plastic and hardboards, packing materials, sewing and other machines, wooden furnitures, office records, and etc. & electric installation and its fixtures, window glass, rolling shutter etc. severely damaged by fire, heat, smoke and water.	Rs. 5,60,000
34	11-12-85 2139 hrs.	Damji Shamji Indl. Complex, Mahakali Caves Rd., Andheri (E), Bombay—93.	Mfgr. ex- ports of readymade garments, & Others.	Firemen with 3 lines of four motor pumps.	Large stock of readymade garments, sewing machines, One overlock machines, button whole, and switching machine, electric iron, one cutting machine, typewriter, office records, and furnitures, etc., and two rolling shutters, steel fram- ed A.C. sheet roofed, electric instal- lation, wooden loft, exhaust fan etc. severely damaged by fire, heat, smoke and water.	Rs. 5,71,200
35	15-12-85 1228 hrs.	439, & 445/451, Kalbadevi Rd., Opp. Bhangwadi, Bombay—2.	—	Firemen with 11 lines of 12 motor pumps and one line of C. D.	Quantity of L. P. gas from some of the exploded gas cylinders, large stock of rubber goods, office furnitures, re- cords, files, cardboard boxes, cycle tubes and tyres, electric installation in a two floored, and adjoings, fire storeyed building. Doors, windows, roof, floorings, walls of a two floored, structure and doors, air conditioning machines, etc., severely damaged by fire, heat, smoke and water.	Being assess- ed by Insurance Surveyor.
36	20-12-85 0323 hrs.	Bombay Central Rly. Stn. Bombay—8.	Transportation.	Firemen with 2 engine lines of 4 motor pumps.	Wooden furnitures, in boggies, elec- tric fixtures, wiring, machinery and entire frame work of the power card bogie severely damaged by fire, heat, smoke and water.	—do—
37	22-12-85 1517 hrs.	Princess Dock, Dry Dock, Anneshak Ship,	Survey of oil in sea.	Firemen with 4 lines utilising water from sea.	Large quantity of oil, cotton waste, severely damaged by fire, heat, smoke and water.	Rs. 2,00,000
38	22-12-85 0324 hrs.	Kwality Apparels, Laxmi Estate, Station, Road, Vikhroli (E), Bombay—83.	Mfgrs. of garments.	Firemen with cutting of cur- rent, & 2 water lines from 3 motor pumps.	Large stock of readymade garments fabrics, clothes, packing materials, forteen sewing machines, cutting & pressing tables, wooden and steel furnitures, 3 pressing irons, etc. & two wooden lofts, electric wirings, ceiling fans, complete walls of struc- ture, A. C. sheet, roof, timber framed of the structure, etc., severely damaged by fire, heat, smoke and water.	Rs. 9,50,000
39	25-12-85 2036 hrs.	25, Vyapar Bhavan, P. D'Mellow Rd., Bombay—9.	Transport Service.	Firemen with 3 small jets of 4 motor pumps.	Large stock of various fabrics, severely and wooden boxes slightly damaged and paint work of the walls and electric wirings etc. severely damaged by fire, heat, smoke and water.	Rs. 8,07,000
40	26-12-85 1041 hrs.	M/s. Bombay Paints Corridor Road, Gawanpada, Chembur, Bombay—74.	Mfg. Verni- shes & Paint.	Employees with 15 foam type fire extinguishers and firemen with 2 jets from 2 pumps.	In process materials, one varnish reaction vessel, spark proof electric motor, M. C. Furnace, diesel oil supply piping, exhaust ducting severely and portion of A. C. sheet roof, electric installation, electric cables, severely damaged by fire, heat, smoke and water.	Rs. 3,50,000
41	28-12-85 2344 hrs.	Near Maker Tower, 'J' Bldg., Cuff Parade, G. D. Somani Marg, Colaba, Bombay—5.	—	Firemen with 2 small engine lines of two motor pumps.	Motor launch severely damaged by fire, heat, smoke and water.	Rs. 4,00,000

1	2	3	4	5	6	7
* 42A	1-1-86 0454 hrs.	M/s. Shrihari Processors, E. S. Patanwala compd., Opp. Shreyas Cinema, Ghatkopar (W), Bombay—86.	Processing of velvet cloth & others.	Firemen with 5 motor pumps	Stock of dyes, chemicals, stock of velvet cloth, wooden printing table, steanter machine, L.P. Gas cylinders, machines, stock of raw materials, office records, stock of snow and paper, office furniture etc., severely and A. C. sheet roof, wooden doors, portion of wooden loft, electric installation, paint work etc. severely damaged by fire, heat, smoke and water.	Rs. 2,53,000
43	18-1-86 2126 hrs.	M/s. Phenoweld Polymer Pvt. Ltd., 2nd floor, Joshi Indl. Estate, Saki Vihar Rd., Sakinaka, Bombay—72.	Mfg. bakeligh goods.	Firemen with four motor pumps.	Large stock of bakeligh cabinet sheets, mirror frames, mirrors, packing materials, drilling, grinding machines, dust collectors, sanitary backlite covers, severely and windowframes, windowglasses, electric wiring, electric installation, wooden partition, paint work of the wall, etc. severely damaged by fire, heat, smoke and water.	Rs. 3,00,000
44	20-1-86 2200 hrs.	76-86. Laxmi Bhuvan, 2nd floor, Room No. 27, Old Hanuman Lane, Kalbadevi, Bombay.	Commercial/ships /dwellings.	Firemen with 5 lines of 9 motor pumps.	Large stock of sarees in nylon packets, household articles, wooden furniture, electric wiring, doors, windows, wooden ceiling, etc. severely damaged by fire, heat, smoke and water.	Rs. 1,23,000
45	21-1-86 1209 hrs.	New Great Eastern Spg. & Wvg. Mills, Dr. B. A. Road, Bombay.	Spg. & Wvg.	Firemen with 3 lines of five fire engine.	Cotton cloth, electric wiring, polymerising and other machineries, electric motors, severely and wooden roof, tiles of the ground floored, brick walled, structure severely damaged by fire, heat, smoke and water.	Rs. 3,20,000
46	3-2-86 0735 hrs.	Excell Battery Industries, shilay Indl. Estate, Udyog Nagar, Plot No. 8, off. S. V. Rd., Goregaon (W), Bombay.	Mfg. lead Oxide.	Firemen with 3 small engine lines of 4 motor pumps, after breaking the locks, & by cutting-off current.	Stock of lead oxide powder, office records, packing material, wooden furniture, one grinding machine, battery charges, L. P. Gas cylinder, laboratory chemicals, severely and rolling shutters, wooden partitions, doors, electric wirings, paint work of the walls, severely damaged by fire, heat, smoke and water.	Rs. 1,25,000
47	15-2-86 1419 hrs.	Mittal Indl. Estate, 111, Sanjay Mittal Estate, A. K. Rd., Bombay—59.	All kinds of flexible packing & others.	Firemen with 3 motor pumps.	Large quantity of paper rolls, various kinds of machineries, inks, small quantity of various solvents, printing cylinders, steel tables, finished goods, semi finished goods, etc. severely and steel framed plywood partition, walled cabin, steel door, one rolling shutter, two windows, electric fittings, and fixtures, paint work of the entire gala, exhaust fans, severely damaged by fire, heat, smoke and water.	Rs. To be assessed by Insurance Surveyor.
48	15-2-86 1916 hrs.	Prem Nagar, Zopadpatti, Seva Sangh, L. B. S. Marg, Sion, Bombay—22.	Scraps, godowns, shops, etc.	Firemen with 8 motorpumps.	Ground floored, C. I. sheet and katcha godown stocked with various materials such as waste paper, card boards, metal scraps, empty bottles in gunny bags, cotton waste, rags, etc., and about 16 residential hutments severely damaged by fire, heat, smoke and water.	Rs. 5,38,000

1	2	3	4	5	6	7
49	24-2-86 1157 hrs.	Plot No. 31, Badlu Rangari Street, Megraj shetty Marg, Bombay.	—	Firemen with 6 lines of 8 motor pumps.	Four galas on ground floor and four on the mezzanine floor, which were constructed partly of brick masonry wall and partly of G. I. sheet/A. C. sheet roofing etc., large stock of readymade garments, sewing machines, machinery from engineering workshop, acetylene and oxygen cylinders, furniture, electric installation, etc. severely damaged by fire, heat, smoke and water.	Rs. 2,56,300
50	1-3-86 1222 hrs.	International Airport Authority of India, Import Warehouse, Sahar Rd., Andheri (E), Bombay—59.	—	Warehouse employees, with 11 dry powders extinguishers & 13 Co ² extinguishers & Air Port Fire Brigade with one engine line, before arrival of the Brigade.	Air cooler boxes, electric goods, electronic goods, chemical powders and liquids, of various kinds, printed papers, etc., severely damaged by fire, heat, smoke and water.	Rs. 1,20,000
51	2-3-86 1942 hrs.	I. B. Patal, Marg, Jaiprakash Marg, Mehata Indl. Estate, Goregaon (E), Bombay—63.	Pharmaceutical Products.	Firemen with 4 jets from four motor pumps.	Large quantity of pharmaceutical, raw materials, and finished products, empty glass bottle, packing material, office files, records, electric installation, plastic goods, laboratory chemicals, and equipments, air conditioner machines, severely and wooden loft wooden partition, electric wiring, paint and plaster work of the walls, severely damaged by fire, heat, smoke and water.	Rs. 3,30,000
52	12-3-86 1347 hrs.	Khairani Rd., New India Market, and Mustafa Market, Near Sakinaka, Bombay—72.	Scrap selling & buying & others.	Firemen with 5 lines of 5 motor pumps.	Large stock of iron scrap, gunny bags, empty tins, bottles, cardboard, plastic bags, plastic papers, household articles, clothing, steel and wooden furniture wooden boxes, etc severely damaged and partly brick walled and partly G. I. sheet walled partly A. C. sheet and Partly G. I. sheet roofed timber framed, ground floored structure severely damaged by fire, heat, smoke and water.	Rs. 1,72,000
53	19-3-86 0531 hrs.	Bombay tyres, International Ltd., Hay Bunder, Bombay-33.	Tyres Mfg. Co.	Firemen with 7 lines of 12 pumps and Co. employees with 4 dry powder extinguishers.	Large stock of finished and unfinished rubber tyres, solvents in four containers, vaccum system, spraying system, weighting machine, water cooler, electric installation and its fixtures, portion of A. C. sheet strussed roofing, etc., severely damaged by fire, heat, smoke and water.	Rs. 30,55,000
54	24-3-86 1015 hrs.	M/s. CEAT Tyres India Ltd., Village Road, Bhandup (W), Bombay.	Mfg. of rubber.	Firemen with one engine of one motor pump and employees with two hydrant lines 14 Co ² and 6 D.C.P. fire extinguishers.	L. T. Lucommer, electric cables, wiring, Buster ducting tube lights, and other electric installation, severely and paint work of the room and windowpanes, severely damaged due to fire, heat, smoke and water.	Rs. To be assessed by Insurance Surveyor.
42B	10-1-86 0834 hrs.	Jhulelal House, 113, M. G. Rd., Bombay—1.	Banking & Pvt. offices.	Firemen with 13 lines of 22 motor pumps.	Office records, furnitures, -steel/ wooden, electric wiring, various books, airconditioned machines, photo copy machine, electric typewriters, ordinary type writer, Drama and films scripts, curtains, telephone etc. severely and large portion of structure including roof both the staircase. flooring severely damaged by fire, heat, smoke and water.	Rs. 1,09,50,000

APPENDIX—III

Brief details of serious House Collapses during the year 1985-86.

Sr. No.	Date & Time	Place	Death	Injury	Details
1	2	3	4	5	6
1	12-4-85 1730 hrs.	Vincent Terrace, G. P. Rd., Dadar, Bombay.	1	—	The south east wing of a five floored building has collapsed from ground to fifth floor. As per the members of public residents are reported to be trapped under the debris, and there were hanging beams and pillows of the bldg. The rest of the bldg. was completely vacated.
2	2-6-85 1555 hrs.	G. D. Ambedkar Marg., Kach Karghana Chawl, Near Shri Ram Industrial Estate, Wadala, Bombay—31.	—	8	On arrival at the scene of incident it was noticed that a complete portion of ground floored, C. I. sheet walled, timber framed, G. I. sheet roof structure area at about 20 m. x 50 m. had collapsed.
3	6-6-85 0552 hrs.	Mahim Railway Stn. Compd. Wall, Senapati Bapat Marg, Bombay-Mahim.	8	6	On arrival it was noticed that railway station compound wall 160' long and 6' high had collapsed over the residential hutments on the footpath thereby causing injury to six persons those who were staying on the footpath hutment.
4	12-6-85 0845 hrs.	Gupta Mill Estate, (Devidayal Company), Quay St. Darukhana Bombay—10.	4	5	Ceiling as well as entire wall of foot-path side of a ground floored structure was collapsed, four males were reported dead and four males, one female were injured.
5	16-6-85 1743 hrs.	28, Fatima Bldg., Bomanji Lane, Fourt, Bombay—7.	5	8	On arrival at the incident, it was noticed that entire four floored brick walled, timber framed, tiles roofed structure, (ground floor used as a shops and upper floors as a dwellings), collapsed as a result in all 13 people were trapped below the debris and adjoining structure of 25C and 27 No. bldg. was also damaged.
6	25-6-85 1014 hrs.	Rechardson & Crudas Engr. Co. Ltd., Bombay-8 Compound Wall Sanjay Gandhi Nagar Zopadpatti.	4	11	On arrival at the scene of incident it was seen that 100' length x 10' height stone wall (Compound wall) totally collapsed on three huts used for shops and dwellings, 4 person trapped in debris and rain water and 11 person were sustained severely injuries.
7	25-6-85 1016 hrs.	94CC-94HH, Janata Nagar, M. P. Mills Compd., Tardeo, Bombay—34.	16	2	It was noticed that the large partition of a retaining wall, and loose earth at the cliff of mountain, had givenway on a ground floored, residential shed (of an area about 80' x 15'), resulting in the collapse of the shed, thereby trapping numbers of persons under the debris.
8	1-7-85 1320 hrs.	Vijay Theatre, V. N. Purav Marg, Chembur, Bombay.	—	3	On arrival at the scene of incident it was noticed that demolishing work of the Vijay Theatre was in progress. All of a sudden wall portion of the theatre had collapsed trapping three workers who were working at the site.
9A	13-7-85 2019 hrs.	Pant Nagar, Bldg. No. 168, Naidu Colony, Ghatkopar (E), Bombay.	—	5	On arrival at the scene of incident, it was noticed that ceiling plaster of common passage of 1st floor of a 4 floored residential bldg., had gave way and collapsed on the floor.
9B	13-8-85 0419 hrs.	47, Mombattiki Chawl, Mohmad Shahid Marg, M. U. R. Marg, Bombay-8.	41	60	It has reported that west side complete portion of ground and upper two floored, residential bldg. had collapsed, as a result number of persons reported injured and died.
10	3-9-85 0049 hrs.	Gujrathi Samaj Chawl, Sriram Niwas Bldg., Subhash Nagar, New Mill Road, Kurla (W), Bombay—70.	2	11	On arrival at the scene of incident it was noticed that entire portion of W. C. block along with M. S. overhead water storage tank of a three floored, brick walled, timber framed structure had collapsed on nearby two rooms on the ground floor. The shed area about 5 m. x 5 mtrs. Total 12 person were trapped under the debris. All the 12 person were rescued and removed to Bhabha & Sion Hospital by brigade ambulance, police and pvt. van while coming out the rescue operation work one fireman received minor injury who was sent to Bhabha Hospital by walking.
11	17-9-85 1514 hrs.	Shyamparedevi Chawl, Khotkuwa Road, Off. Rani Sati Road, Malad (E), Bombay—97.	—	8	The half portion of the eastern side wing of a ground and upper one floored, brick walled, A. C. sheet roofed structure had fallen. Resulting inquiries to eight occupants of the building.
12	5-10-85 2304 hrs.	Pandya House, Sarojini Rd., Vileparle (W), Bombay—56.	—	5	On arrival it was learnt that entire first floor staircase portion of a two floored brick walled, residential bldg., had collapsed due to that fire persons who were on staircase all down and rescued minor injuries.

1	2	3	4	5	6
13	7-10-85 1700 hrs.	Bhapat Chawl, Near N. C. C. Highschool, Opp. Gaikwad Nagar, Malvani Colony, 34-7/A, Kharodi Malvani Gaia No. 7, Malad (W), Bombay—95.	—	4	The portion of eastern and southern side walls and the portion of roof of brick walled, A. C. sheet roofed, ground floored, structure, used as dwellings had fallen some where at about 1245 hrs. resulting injuries to four occupants.
14	17-10-85 2101 hrs.	120-122, Babu Khote Street, Bombay—3.	3	3	On arrival it was observed that rear side 1st floor, 2nd floor and 3rd floor has given way trapping 4 to 6 person under the debris and roof portion was hanging precariously of ground and 3 upper floor Bldg.
15	23-10-85 1845 hrs.	164, S. V. P. Rd., & 73 Bhandari Street, Jn. Munaji Rajuji Bldg., Bombay—4.	1	—	On arrival at the scene of incident it seen that entire RCC Balcony portion of 1st floor, of five floored bldg. had collapsed injuring one pedestrian.
16	3-1-86 1215 hrs.	20, Old Bangalipura.	1	2	On arrival at the scene of incident it was noticed that the partition of the staircase and its landing of 2nd, & 3rd floor of a five floored bldg., had collapsed. No. one persons stranded on the 2nd, 3rd and 4th floor.
17	27-1-86 1657 hrs.	Khetwadi, 2nd X Lane, Municipal Primary School, Bombay-4.	1	1	On arrival at the scene of incident it was noticed that a ground floored structure had partly collapsed causing injury to two ladies.
18	28-1-86 0008 hrs.	71, Samuel Street, Opp. Masjid, Bombay-9, Velji Bldg.	—	9	It was noticed that (southern) flooring of three room at first floor had collapsed of a five floored bldg. causing injury to nine person.
19	14-3-86 2340 hrs.	Nityanand Nagar, Ganesh Maidan, Ghatkopar Link Rd., Bombay—86.	1	—	It was noticed that Eastern side wall of ground floored structure collapsed thereby one man aged about 45 years old was severely injured.
20	22-3-86 0233 hrs.	48, Maruti Lane, Purusho- ttam Bldg., Bombay.	5	20	Entire rear portion of five rooms are being on each floor and common W. C. and bathroom portion of ground and five floored (with attic floor on top) collapsed and as a result (1) in all twenty four persons, twenty one from structure collapsed, two from adjoining (West side) demolished masjid and one from adjoining bldg. (East side 46, Maruti Lane) were trapped below debris (2) adjoining ground and two floored (46 Maruti Lane) Bldg. caused in and out.
21	23-3-86 1756 hrs.	45, Daruwala Bldg., 14th Kamathipura Lane, Bombay.	1	3	It was brought to notice by members of public that rear southern side living room and latrine portion of a ground and two upper floor structure had collapsed trapping two persons under the debris.

APPENDIX IV

Sr. No.	Type of Rescue	In Fire	In Accident	Total
1.	Number of persons rescued alive with subsequently recovered.	126	686	812
2.	Number of persons rescued alive with burns and/or injuries but subsequently died.	116	129	245
3.	Number of human lives lost before arrival of Brigade.	25	131	156
4.	Number of casualties amongst Fire Service Personnel.	9	13	22
5.	Number of animals' lives rescued.	54	117	171

APPENDIX N.J. V

Fire Risk covered :

1. Textile Woolen Silk and artificial silk (Rayon etc. Mills).	:	138
2. Ginning Mills.	:	4
3. Cotton Presses.	:	14
4. Oil Mills	:	22
5. Petrol & Oil Storages, refineries	:	169
6. Match Factories, fire works and explosive manufacturers	:	21
7. Explosive Stores.	:	20
8. Processes involving dangerous petroleum products.	:	19
9. Cinematograph films, celluloid plastics and Bakelite works.	:	28
10. Timber and wood working paper manufacture	:	252
11. Chemical Works	:	119
12. Gas and Electricity Undertaking	:	73
13. Docks, Railways. Airport installations	:	28
14. Warehouses, Good yards, Goods sheds	:	334
15. Manufacture of rubber goods	:	186
16. Manufacture of other goods	:	272
17. Highrise buildings	:	150
Water Facilities :		
18. Hydrants and approximate capacity	:	11476
19. Water Ponds	:	37
20. Refilling places	:	63
21. Wells, Rivers and Canals	:	1499
22. Other facilities like static tank, storage tanks, etc.	:	164
		(and Sea Water around the is Island of Bombay).

APPENDIX—VI

Summary of calls to fires and other emergency calls (including false alarms) showing the

number of times appliances of the Fire Brigade attended and how fires were extinguished during

the year 1985-86

Sr. No.	Fire Station	How called	HOW ATTENDED																		HOW EXTINGUISHED															
			Station appliances																																	
Strang	Fire Alarm	Direct Line (Private Wire)	Control Room	TOTAL	Motor Pump with Escape Ladder	Motor Pump with Extension Ladder	Hydrau-lic Platform	Ambu-lance	Water Tanker	Turn Table Ladder	Motor Pump with escape ladder	Motor Pump with Extension Ladder	Hydrau-lic Platform	Rescue Van	Motor Emer-gency Tender	Water Tanker	Hose Laying Lorry	Control Post Van	Breath-ing Apparatus Van	Ambu-lance	Turn Table Ladder	Sand Buckets	Water	Chemi-cal Extin-guishers	First-aid Hose Reel	Motor Pump	No. of Jets	Cutting of Current	Smoth-ering	Hydrant	Foam Equip-ment	Sprink-lers Accu-tus sets	Pre-Ins-ulated sets	Use-		
1	Colaba	39	...	128	167	157	45	...	30	...	7	28	19	1	...	20	1	1	...	18	14	54	19	13	5	16	16	57	3	...	...	...	...	...	...
2	Fort	48	...	291	339	...	316	33	...	...	68	33	6	5	...	19	...	4	4	...	29	2	142	26	...	24	19	28	139	...	...	...	...	...	...
3	Memorwada	51	...	565	616	589	98	...	...	30	18	27	20	13	10	...	...	...	...	17	4	193	19	...	13	...	27	...	...	...	...	...	...	...	...
4	Gowalia tank	59	...	418	477	477	...	...	...	...	55	93	48	12	...	52	...	6	7	...	43	13	154	58	10	23	...	14	179	11	9	...	1	...	...
5	Byculia	67	...	401	468	436	82	1	...	14	4	45	58	...	...	23	...	...	...	47	3	159	44	2	34	58	57	180	12	3	3	7	...	...	...
6	Worli	54	16	298	368	337	101	...	40	27	...	43	114	...	...	7	...	...	...	5	...	122	38	220	16	59	42	...	...	12	...	2	...	...	...
7	Dadar	42	53	279	374	359	112	...	21	3	...	117	30	1	2	...	12	...	1	6	3	63	25	455	31	23	35	83	...	35	...	9	...	...	...
8	Shivaji Park	23	...	152	175	...	175	...	...	...	76	17	...	...	...	13	...	1	...	...	1	36	24	5	4	6	7	...	...	...	2	...	...	...	...
9	Indira Dock	9	17	64	90	90	33	...	8	...	...	20	35	...	...	5	...	2	5	4	1	16	9	19	15	50	32	...	...	...	...	...	...	...	...
10	Mandvi	10	...	127	137	136	1	...	...	...	86	38	4	...	5	17	...	3	...	...	2	52	7	4	13	47	81	...	...	...	...	...	...	...	6
11	Sewree	29	...	131	160	155	4	...	...	...	91	41	1	4	...	32	...	3	7	22	...	35	12	26	13	88	76	39	4	6	1	...	...	2	...
12	Andheri	7	...	569	576	551	77	...	52	13	...	33	31	9	288	271	...	3	2	46
13	Vikhroli	32	...	173	205	61	182	...	27	8	...	41	31	...	1	14	1	1	...	14	3	39	31	22	1	62	57	55	17	2	...	...	...	...	...
14	Chembur	33	...	230	263	...	274	...	8	29	6	2	53	30	16	11	17	51	63	17	12	1
15	Dharavi	10	...	192	202	...	202	8	...	44	16	...	1	15	3	77	24	6	8	15	7	64	...	1
16	Deonar	28	1	95	122	112	61	13	1	3	...	7	21	...	16	4	1	...	15	16	3	...	1
17	Mulund	52	...	134	188	50	166	...	17	23	...	12	22	...	6	10	2	...	...	8	...	40	18	43	4	38	63	40	...	2	...	...	...	...	...
18	Raoli Camp	51	...	59	110	104	10	13	26	1	8	10	...	41	13	10	6	16	20	...	4	3
19	Kandivali	70	...	326	396	...	435	...	47	22	...	22	29	1	4	20	...	...	1	32	3	46	48	35	17	21	80	82	8	...	1	...	...	...	...
20	Marol	17	...	223	240	218	73	8	...	20	3	51	62	...	9	38	...	15	13	34	14	8	6	...	1	...	5	4	12	3
TOTAL		729	...	87	4855	5671	3832	2386	42	242	168	33	868	792	94	57	12	324	4	39	37	323	66	1634	726	887	242	537	739	931	91	88	9	19	8	...

APPENDIX—VII

Fires and losses for the period from 1980-81 to 1985-86.

Year	No. of Fires	Estimated Loss
1980-81	3286	Rs. 5,64,00,000/-
1981-82	3048	Rs. 5,91,71,000/-
1982-83	3031	Rs. 7,11,79,728/-
1983-84	3409	Rs. 5,61,59,930/-
1984-85	3177	Rs. 3,65,48,752/-
1985-86	3269	Rs. 4,39,50,763/-

APPENDIX—VIII
SPECIAL SERVICE CALL

Sr. No.	Date & Time Hrs.	Place	Death	Injury	Details	
1	2	3	4	5	6	7
(A) RESCUE SERVICE :						
1	2-4-85	0003	Dr. B. A. Road, Near Bharatmata Cinema, Lalbaug, Bombay.	1	—	On arrival at the scene of incident it was seen that a man aged about 30 yrs. alongwith scooter was trapped under off side front tyre of watertanker type truck bearing NO. MRL 3853.
2	20-4-85	0109	Mescant Rd., West side of Reay Road, Reay Road Rly. Stn., Sewree, Bombay—15.	1	4	A road oil tanker capacity about 34,000 litres, bearing No. MRL 6523 containing with petrol speeding from North to South rushed to the footpath as a result two unauthorised huts as well as metal railing of railways were damaged, one person in driver's cabin three person below tanker were trapped, (2 male, 2 females) one dead four reported injured.
3	11-5-85	0000	New B. D. D, Chawl, No. 4, V. Y. Dahiwalkar Buwa Marg, Naigaum Dadar, Bombay—14.	1	—	A 17 years old boy fastened the loop of the saree around the neck and the other end tied to the ceiling fan. He had been hanging over above the flooring of the Room No. 16, on ground floored of a 4th floored residential bldg.
4	8-6-85	2204	Eastern Express Highway, Bhandup Mithanagar, Bombay—86.	1	2	It was learnt and observed from Police that Fiat Car No. MHJ/1595 dashed against lorry No. WMR/8295 due to that 3 persons from Fiat were injured.
5	1-7-85	2219	Near Red gate Victoria Dock, Shed No. 9 V. D. Open shed, P. D'Mello Road.	1	1	A motor taxi bearing Regd. No. MRP 2226 with two persons had overturned on the road and fallen in the sea water, near shed No. 9, Victoria dock where one person (driver) was rescued from the sea by the members of the public and removed to St. Georges Hospital in Police Van before arrival of the Brigade.
6	6-7-85	0434	Panvel highway & Mankhurd Station Rly Stn. Rd., Jun. Mankhurd East, Bombay.	2	13	It was noticed that a S. T. Bus bearing No. MTO 8672 while passing from Bombay to Birmani had dashed to lorry bearing No. MWU 7012, which was standed on the side of the road, thereby fifteen persons were injured.
7	3-9-85	1602	Eastern Express Highway, Amar Mahal Junction, Chembur.	—	6	It was noticed that a truck bearing No. BYX 5822, make forgo speeding from Chembur to Deonar side has dashed against a Delivery van bearing No. MTT 9515 and in van dashed against a water tanker on E. E. Highway causing injury to six person and disruption of traffic.
8	6-10-85	0101	Opp. Byculla Market, Dr. B. A. Rd., Byculla, Bombay—8.	—	3	It was noticed that one pvt. motor lorry bearing No. GTX 3533 loaded speeding from the direction J. J. Hospital towards Rani Baug, dashed against two pvt. taxes bearing No. MRQ 7254 and MRQ 4709 and one lorry bearing No. BMG 2759 as a result three person reported injured and oil was spilled on the road.
9	12-10-85	0107	Panvel Link Road, Near Chedha Nagar, Opp. Old Ramabai Colony, Sahakar Nagar.	1	—	It was noticed that a private Tipper (Lorry) bearing No. MCU-324 make Ashok Layland Model 1985 speeding from Deonar to E. E. Highway had fallen in a ditch wear the road side as a result one person sustained injury.

1	2	3	4	5	6	7
10	18-10-85	1836	Aadhishankaracharya Off Powal Quarry, Powal, Bombay-76.	4	—	It was noticed that the four boys had fallen in the quarry on open ground on road side.
11	26-10-85	1755	Andheri Kuria Road, Sakinaka Jun. Bombay—59.	2	1	It was reported and noticed that three workers of a private contractor were trapped under the debris of a trench on the road side at A. K. Road, Sakinaka Junction.
12	13-11-85	1736	Dadabhai Neuroji Rd., Opp. M. P. fruit Market, Bombay—2.	1	1	It was noticed that the motor lorry bearing No. PAT 621 being parked closed to the Fruit Market for disloading had toppled over on its right side. As a result the driver of the motor lorry and a pedestrian (walking along the road) had trapped below the toppled over the motor lorry.
13	20-12-86	1403	Jijamata Nagar (Dha- bholkar Adda), T. J. Rd., Behind Milan Indl. Estate, Kala chowkie. Bombay—33.	3	4	A public carrier truck "Tata Make" loaded with soil which was parked on slope for loading soil Industrial Estate compound was fallen on hutments and severe damaged cause to hutments. Three persons (2 females, 1 male) were reported dead and four person (2 females, 2 males) were reported injured.
14	1-1-86	1801	Tulsi Lake Rd., National Park, Borivali (E), Bombay.	2	7	It was observed that one pvt. Jeep bearing Reg. No. DED 8517 (Mahaindra Made) after dashing to be metal railing of of the road side fell in the valley which was 25' deep due to which totally 9 person were injured.
15	3-1-86	1859	A.B.E.S.T. Bus No. MRL 5137, Opp. Sital Baug, Walkeshwari Road, Chaupaty, Bombay—6.	—	19	A.B.E.S.T. Single Decker bus bearing No. MRL 5137 route No. 101, carrying number of commuters in motion on the road had dashed against a pvt. car No. BMZ 2329 parked, empty along side of the road, and fallen into the sea with front part resting in the sea and rear resting on the road, footpath, thereby injuring number of persons.
16	14-2-86	0010	Motor Lorry No. MRR 9479, Dr. B. A. Rd., Near 461-A, Ram Niwas King Circle, Bombay.	1	3	A Motor lorry bearing regd. No. MRR 9479, proceeding from South to North dashed against motor car climbed on the foot-path finally dashed against compound wall.
17	14-2-86	1107	Dr. A. Nair Marg, opp. Hindustan Mills, Bombay Central, Bombay.	1	—	It was learnt from the members of public that a B.E.S.T. Brak down van (Truck Model Hindustan) bearing No. MRA 8882 speeding from North to South dashed against a pvt. Scooter No. MRE 2308 speeding in opposite direction and again against road side tree thereby by the driver of scooter found trapped under the rear side tyres of the truck.
18	17-3-86	2055	Aarey Colony, D. D. Marg, Goregaon (E), Bombay.	—	8	It was noticed that a pvt. bus (belongs to Messrs. Milan Travels) regd. No. MRE/1627 proceeding from North-South on Dinkarrao Desai Marg, turned over the road side rested on the off side thereby two persons (Occupants of the bus) are trapped and six persons (Occupants of the bus) are injured.
(B) OTHER SERVICE CALL :						
19	18-4-85	1646	Walkeshwar Road, Near Prabhadevi Bombay—6.	—	5	It was noticed that oil was spilled on the road as a result 4 motor vehicles were met with an accident those are MPB 7661, Fait; MAR 3370 Fait, MRO 2882 Fait Taxi and Naval van No. 8303562 N.
20	14-5-85	1420	Dr. B. A. Rd., Aayee Mayee Meherwanji St., Jun. near Work shop Parel, Bombay—12	1	1	It was reported by the Police, who had arrived first that a S. T. Bus No. MTO 8889 coming from Mahabaleshwar and speeding to Bombay Central, dashed against a handcart carrying 4-5 drums filled with diesel oil and ran over the footpath.
21	15-5-85	2020	Jaiprakash Road, Near I. Congress Office, Paras Compound, Ver- sova Road, Andheri (W), Bombay—58.	1	6	It was learnt from the public that new huge explosion had taken place in a ground floored, G. I. sheet shed area bout 15 x 15 a resulting seven persons reported injured out of seven, one person declared dead by the Doctor of the Cooper Hospital.
22	22-5-85	2249	Dr. B. A. Road, Near King Circle, Opp. Kapol Niwas, Matunga, Bombay—19.	—	15	It was repoted by the Police that a BEST Single decker bus No. MRL 8442, speeding from Bombay to Slon, had dashed against a stationary Lorry No. MRL 910, Loaded with sand.

1	2	3	4	5	6	7
23	15-7-85	2229	M/s. The Southern India Transport Service, Municipal Chawl No. 3, Sabu Siddique Road, Bombay-1.	—	9	It was noticed that there was a little spillage on flooring of a transport closed down on ground floor of a four floored R.C.C. residential bldg., of unknown liquid chemical (upper floor are used as dwellings and ground floor as transport godown and different trade shops). Ferocious smell of spillage also observed in vicinity.
24	27-8-85	0105	Ali Yawar Jung Marg & Aarey Road, Jun., Goregaon (E), Bombay-63.	—	12	It was reported that a pvt. Loaded Lorry (belonging to M/s. Bavi Transport Co.) register No. MCU 958, proceeding from North to South and a private (belonging to Aarey Milk Dairy) staff bus register No. BMR 9036 proceeding from West to East on Ali Yawar Jung Marg, & Arey Rd., Jun. met with head collision, with the result the lorry turn over and rested on off side and staff bus fallen in the gutter on road side. With the result one pedestrian and 11 occupants of the both vehicles totally 12 person injured, and damaged the both vehicles.
25	30-8-85	1001	M/s. Ilac Limited Anik, D. B. Patel, Marg, Chembur, 74.	1	149	It was noticed that large quantity of chlorine gas was leaking through flange fittings of a chlorine tank having 35 tons capacity in Caustic Soda Plant at five points, gas spread with nearby area causing suffocates.
26	31-8-85	1240	M/s. Manilal Oil Co., Batlibai Compd., 110, A. G. Pawar Lane, Bombay-33.	—	7	Little quantity of "TRIMETHYL-PHOSPHITE" had come out from lid of empty drums in an (remaining quantity) on open space while loading the drums on hand cart, thereby giving out terocious smell.
27	5-9-85	1532	399A, Dr. D. B. Marg, Lamington Road, Bombay-4.	1	3	It was reported that 4 persons were in a store room of a restaurant on ground floor in four floored, bldg., used for shops, offices, dwelling and restaurant.
28	8-9-85	0642	Band Stand, Near Sea Rock Hotel, Bandra (W), Bombay-50.	—	5	It was learnt from the Police that pvt., bus bearing No.MMS 978 dashed against pvt., car bearing No. MRX 6850.
29	16-9-85	1511	327, D. N. Rd., Nawab Bldg., Bombay.	1	—	It was reported that a compressor of a air condition machine (Individual Unit) exploded while filling in nytrogen gas from a cylinder. As a result a operator at machine end sustain severe injuries on chest due to blast the air condition machine was being installed in a shop on ground floor of a five storeyed bldg.
30	9-10-85	0422	Western Express Highway near Maratha Colony, Bombay-52.	2	4	It was learnt from Police that Truck No.MHT No. 7668 carrying empty milk can-towards Andheri Side dashed against Lorry No. DEL 1727 which was stationed with fully loaded on highway due to that six persons were injured.
31	9-10-85	2020	Ali Yawar Jung Marg, Opp. Vakola Police Stn., Santacruz (E), Bombay-55.	—	4	On arrival it was noticed that a pvt. (belong to the M/s. Manhas Transport Co.) a empty LPG cylinders load and lorry regd., No. MTT 9707 proceeding from Aliyawar Jung Marg, turned over and rested off side thereby trapping and injuring to 3 occupants of the lorry and one pedestrian.
32	13-10-85	0745	Nehru Rd., Santacruz Airport, Santacruz (E), Bombay-99.	—	12	It was learnt from Mr. A. S. Batra, Fire Officer, & Asstt. Director Mr. Jevith Singh that a Kuwait airways air bus No. K. U. 302 coming from Kuwait to Bombay with 257 passengers on board as there was a report of Implement of bomb in the air craft so the aircraft came for emergency landing. Air craft landed safely due to panicky the passengers were started alight from the air bus hurriedly hence stampede occured.
33	4-11-85	2330	Eastern Express Highway, Kanjur Village, (E), Near Vikhroli Police Stn., Mithagar, Bombay-83.	2	—	It was noticed and learned by the police that a motor lorry bearing No. GRS 6297 make Layland of model 1976 speeding from Bombay to Thana dashed against the parked Motor lorry Regd. No. MHB 5373 make Merchedise of the road side, where the owner and cleaner (two person) of motor Lorry No. MHB 5373 received serious injured letter on subsequently died.
34	6-11-85	1057	Near Murlidhar Tea & Coffee Shop, 60, ft. and 90 ft. Road, Jun., Dharavi Labour Camp, Bombay-17.	1	14	On arrival it was reported by members of public while filling hydrogen gas in the ballon through cylinder gas cylinder exploded and went up the air about 300 ft. away and fallen on the ground floored structure.

1	2	3	4	5	6	7
35	22-11-85	1624	Bombay Forging Pvt. Ltd., Vidyanagari Marg, Kalina, Bombay-98.	—	7	It was noticed that and learnt that a T joint of the compressed air supply pipe of the air compressor has bursted into the pieces, in ground floored steelframed, having A. C. sheet roof structure, used as forging shop. As a result the roof of the structure was slattered and six workers nearby the pipe were reported as injured and one person (watchman) injured due to pieces of the broken window glass, when the joint pipe blown and fallen on the office window of the adjoining bldg.
36	23-11-85	2154	A. K. Road, Opp. Marol Market, Andheri (E), Bombay-59.	2	5	It was noticed that a single decker BEST Bus Regd. No. MRL 5263 proceeding from Marol to Andheri side (East to West) had dashed against the motor taxi Regd. No. MMT 2884 proceeding from West to East which was carrying five passangers including Driver of the taxi after dashing to the Motor taxi No. MMT 2884, the BEST Regd., No. MRL 5263 entered into the nearby Hotel known as Devikripa hotel thereby injured to 5 occupants of the motor taxi regd., No. MMT 2884 and two employees of Devikripa Hotel and damaging to both vehicles and some portion of the Devikripa Hotel.
37	6-12-85	1217	Opp. Daulat Villa, Dr. B. A. Road, Matunga, Bombay.	—	4	It was reported by members of public that oil drum from a hand cart dropted on road and oil spilled on the road. A fiat taxi regd. No. MRO 4261 moving from south to north on Dr. B. A. Rd., passed over the spilled oil opp. Kiran Niwas, Plot No. 321A, and skidded about 200 ft., away crossed the divider and dashed against a Maruti Car Regd., No. MFA-1193 moving from North to South thereby damaged front portion of both cars and injuring the inmates.
38	14-12-85	1445	BEST Single Decker Bus No. MRL 6240 Rote No. 169, at Makha Wadi, Sion, Koliwada, Manjarekar Rd., R. Camp.	—	6	BEST Single decker bus bearing No. MRL 6240 and rot No. 169, Proceeding from R. Camp towards Sion had dashed and rushed into the hutment on the foot-path causing injury to six person and damaging to four huts and front side of bus.
39	22-12-85	2322	Veer Sawarkar Marg, Opp. Kismat Cinema Prabhadevi, Bombay-25.	—	4	It was reported that a pvt. jeep bearing Rd., No. MRA 9577 had toppled down on the road, thereby causing injury to the four person.
40	2-1-86	1541	State Reserve Police Camp, (SRP) Groun No. 8 A. Y. J. Marg, Goregaon (E), Bombay.	3	4	It was reported that a portion of boulders from the hillock gaveway and had fallen while digging up look under progress, thereby the 7 person trapped and injured underneath the boulders.
41	3-1-86	1040	Aliyaware Jung Marg, Near Traffic Signal, Bahar Cinema, Bombay.	—	3	It was noticed that stationery tempo bearing No. M.M.P. 46 as a result auto rikshow again dashed by the tempo bearing No. MMP 46 at a traffic signal at above address.
42	17-1-86	1936	The Century Mills Pvt. Ltd., Pandurang Budhkar Marg, Worli Bombay.	—	22	It was learnt that 22 persons were overcome with the chlorine gas due to leakage from tunner in a ground floored structural.
43	17-3-86	0609	Ebrahim Rahimatulla Marg, S. V. P. Rd., Bendi Bazar, Jun. Johar Chowk.	—	3	It was noticed that lorry bearing No. MMK 4518 dashed against a taxi No. MMT 2801 on road while proceeding North to South and east to west respectively.

MARKET DEPARTMENT

SALIENT — FEATURES

Income : Rs. 2,82,68,611.96.

Expenditure : Rs. 4,32,71,007.60

Municipal and Private Markets.

Markets	Municipal	Private
(1) City	36	10
(2) Western Suburbs.	30	4
(3) Eastern Suburbs.	15	2
	81	16

There are 97 markets out of which 81 are Municipal and 16 Private. In addition, 967 outside shops for meat and fish to cater the increasing needs of citizens have been licenced.

The entire activities of the Market Department are managed by 1115 Personnels consisting of 35 supervisory, 204 Inspectorial and 55 indoor staff and 821 Peons and Labour staff.

The markets are situated in different areas viz., City, Western Suburbs, and Eastern Suburbs.

The financial position of the markets :—

Unit.	Municipal	Private	Licences issued to p. s. meat shops.	Revenue collected Rs.	Expenditure.	
	Markets.	Markets.			Estt.	Maintenance
City	36	10	259	2,19,20,124	1,25,16,930.00	2,28,72,764
W. Subs.	30	4	419	44,61,035	37,83,944.00	19,30,946
E. Subs.	15	2	289	18,87,452.96	16,29,969.60	5,36,454
	81	16	967	2,82,68,611.96	1,79,30,843.60	2,53,40,164

During the year, revenue amounting to Rs. 2,82,68,611.96 was collected against the amount of Rs. 2,71,95,106 for the previous year. So also expenditure for the year Rs. 4,32,71,007.60 as against the expenditure Rs. 3,63,45,837.82 for the previous year.

Wholesome articles viz., vegetables, fruits, mutton, beef, fish, pork poultry etc. were supplied through the markets to the citizens of Greater Mumbai.

Raids to prevent unauthorised import and slaughtering of animals :—

Total raids carried out	6,524
Animals seized	
(1) Sheep/goats	5,249
(2) Horned cattles	1,060
(3) Pigs.	199
Stuff seized and destroyed :—	
(1) Beef	28,251½ Kgs.
(2) Mutton	17,557 Kgs.
(3) Pork	525 Kgs.
Amount realised :—	
(1) Disposal of skins and hides	Rs. 27,616
(2) Disposal of fish.	Rs. 3,529
(3) Fines imposed by Courts.	Rs. 17,510

Immunisation of cattle and dogs :

Immunisation of cattle and dogs is done by the team of Veterinary staff.

During the year 214 dogs and 48,881 milch cattle were immunised at 8 centres. 11,203 puppies were destroyed at Mahalaxami centre. No male buffaloes were detected suffering from rinderpox diseases at Thane District. The curative and preventive treatment of animals was continued at Khar Veterinary Hospital.

Markets where development is held up for want of funds :—

CITY

- (1) Colaba Market :— Beyond a pile foundation of the 3rd phase.
 (2) M. J. Phule Mkt. :— Construction of mutton section.
 (3) Cold storage at :— Cold storage plant at Chhatrapati Shivaji Maharaj Market Bldg. alongwith
 C. S. Market plant machinery and equipment lying idle thereat.
 (4) Babu Genu Mkt. :— Fourth phase construction.
 (5) Kamathipura Mkt. :— Beyond pile foundation.
 (6) Prof. D. K. Mandai :— This is being carried out by Repairs Board at a very slow pace.

WESTERN SUBURBS

- (7) Turner Road Mkt. :— Construction of IInd phase.

EASTERN SUBURBS

- (8) Tagor Nagar Mkt. :— Construction beyond ground floor and miscellaneous works of the ground
 Vikhroli. floor.

Markets developed :—

- (1) Babu Genu Mkt. :— 3rd phase completed.
 Mazgaon.
 (2) Dr. Shirodkar Mandai, :— Market is completed and started functioning.
 Parel.
 (3) Turner Road Market :— 1st plan completed and Vegetable, Mutton and Beef section started
 functioning.

Markets locked up in litigations :—

- (1) Market on 5-A at :—
 Mulund (West) on S. L. Road.
 (2) Market at plot No. 36 :—
 at Mulund.

List of open plots available for development of Markets.

Sr. No.	Details of the Location of the plot.	Area of the plot in sq. mtrs.
1	Cuff Parade, Colaba.	1,900
2	C. G. S. Colony.	2,008.29
3	Major Hemant Manjrekar Market, Raoli Camp.	1,500
4	Mohd. Mia Chhotani Road, Mahim.	3,461.20
5	Agar Bazar Market, Dadar.	3,000.00
6	Shastri Nagar Market, Bandra (E).	2,500 approx.
7	Marol Village, Andheri.	1,000
8	North of Motilal Nagar, Gorgaon.	2,630
9	Sainath Road Market, Malad (W)	1,000
10	L. T. Road (Bhabhai), Borivali (W)	2,780
11	560, Kurla Takia Ward, Kurla (W) attached to Devi Ahilyabai Holkar Mandai.	497.00
12	L. T. Road, Dahisar, Rly. Station Sonia Budhya Compound.	10,115
13	Bharucha Road, Dahisar (E)	2,000
14	Subhash Nagar, Chembur layout of 16th road.	4,115.00
15	Bainganwadi, Shivaji Nagar.	2,000
16	Govandi, Sambhaji Nagar.	3,000
17	Kirol Village, Vidhayavihar.	400
18	L. B. Shastri Marg, Mangatram Petrol Pump.	2,546
19	Kannamwar Nagar, Vikhroli.	2,000
20	Plot opposit Mahul cinema, Jawaharlal Nehru Road.	3,492

DEONAR ABATTOIR

Since commissioning of the Abattoir all the units continued to function smoothly.

During the year under report there is a rise in arrival and slaughter of sheep and goats. Cold Storage facilities though made available are not utilised by the licensees to the full extent.

Production of the blood meal was continued in the inedible plant. Approximetaly 2.2 tons of blood meal was produced during the year under report. The scientific disposal of the waste materials avoided environmental pollution and health hazard.

The gas produced in the Gobar Gas Plant was continued to be supplied to the two canteens in the Abattoir premises.

As usual special arrangements were made during Bakri-Id Festival for 'Sacrificial Slaughter' of horned cattle in one of the live stock market sheds and Municipal Meat Vans made available for the transportation of sacrificial meat.

Pharmacautical concerns like M/s. Griffon Laboratories, M/s. Raptakos Brett & Co., M/s. Catchet Pharmacauticals, M/s. Emcure Pharmacauticals, The Haffkine Institute and many other technical and research institutes continued to take benefit of the facilities for collection of various glands, tissues etc. at Deonar Abattoir for pharmaceutical use and research purpose.

Educational Institutions like Bombay Veterinary College of Kokan Krishi Vidyapith Trainees from Merketing and Inspection Deptt., Govt. of India, Local Self Govt. Institution, Bombay and many other educational institutes availed of the facilities for demonstration training etc.

Dignitories from various states and from abroad paid visit to the Abattoir and took advantage of the technical expertise available here.

STATEMENT—I

PART-I

Brought :

	Buffaloes	Bullocks	M. B. C.	Sheep & Goats	Pigs
1984-85	60,790	1,01,805	3,218	38,43,461	43,241
1985-86	58,248	1,05,084	4,836	40,41,484	43,689
Rejected :					
1984-85	407	1,633	41	4,010	254
1985-86	708	1,962	72	4,393	252
Percentage of rejection :					
1984-85	0.6 %	1.62 %	1.2 %	0.1 %	0.58 %
1985-86	1.21 %	1.86 %	1.4 %	0.1 %	0.57 %
Animals removed :					
1984-85	1	2	—	5,20,882	—
1985-86	—	—	—	5,49,530	—
Slaughtered :					
1984-85	60,433	1,02,656	3,515	26,55,891	44,594
1985-86	59,063	1,05,552	5,011	27,35,758	44,768

PART—II

Meat	Quantity produced in ton		Quantity condemned in ton		Percentage of condemnation	
	1984-85	1985-86	1984-85	1985-86	1984-85	1985-86
Beef	22499.4	22618.35	104.03	67.80	46 %	29 %
Mutton	38434.61	27357.58	20.80	27.80	05 %	0.1 %
Pork	114.85	1119.2	22.63	21.00	2.03 %	1.8 %

STATEMENT—II
REVENUE COLLECTED AT DEONAR ABATTOIR

	1984-85	1985-86
	Rs.	Rs.
1. Fair Fees	58,55,196.00	60,34,340.00
2. Slaughter Fees	2,03,33,295.00	2,10,20,070.00
3. Miscellaneous Receipts	1,62,56,594.00	1,69,23,262.00
4. Rent	7,63,158.00	6,07,383.00
5. Cold Storage	1,31,315.00	1,44,718.00
	<hr/> 4,33,39,558.00	<hr/> 4,47,29,773.00

LICENCE DEPARTMENT

HIGH LIGHTS

(1) Expenditure on the Department :—

(a) Establishment	... Rs. 1,48,64,341
(b) Others	... Rs. 3,79,78 ²
(2) Revenue earned by the Department	... Rs. 7,56,22,237

NO. OF LICENCES ISSUED AND AMOUNT REALISED

Sections of B. M. C. Act.	No. of licences issued.			Revenue realised (in Rs.)		
	Div. I.	Div. II.	Div. III.	Div. I	Div. II	Div. III
313(1) (b) (c)	41940	2316	1010	79,43,350	4,64,570	2,31,765
Projection Licences.						
313A/313B	9691	2900	1021	76,05,551	29,40,563	16,28,067
Hawkers licences.						
328/328A	3844	1867	724	70,05,396	19,38,820	7,44,450
Advertisement Permit.						
393/394/412A	62591	36762	15383	2,06,26,908	1,34,12,696	89,37,946
Licences for storages & Trades under Sche- dule 'M' of the B.M.C. Act.						

(3) No. of prosecutions launched and amount of fines inflicted :—

Prosecutions launched			Fines inflicted (in Rs.)		
Div. I	Div. II	Div. III	Div. I	Div. II	Div. III
6286	4873	2308	5,79,661	4,95,880	2,56,430

Functions and Activities :—

The Licence Department functions in four wings viz., (1) Licence Section, (2) Encroachment-Removal Section, (3) Stall Board and other Projections Section and (4) Advertisement Section. Their activities are as under :—

(1) Licence Section :—

This section issues licences under Section 394/412A of B. M. C. Act, for storages which are either inflammable, combustible, corrosive, poisonous, etc., and for trades or processes which are hazardous and have a nuisance value from public health point of view. Permits under Section 393 of B. M. C. Act are also issued for controlling steam whistles and steam trumpets, etc.

A revised Schedule 'M', listing licensable commodities and trades has come into effect from 26th November, 1979 which includes several new commodities and trades. There was a stiff opposition from Trading Community to implement this Schedule as the Trading Associations including Indian Merchants' Chamber, feel that implementation of this schedule would cause harrassment to the Trading Community. However, this department has already started implementing the same.

The Experts Committee appointed by the Government of Maharashtra to look into the grievances of the Trading Communities has since submitted its report to the Government and the same is under consideration of the Government and the decision is awaited.

(2) Encroachment Removal Section :—

A :— (i) This wing controls hawkers and squatters on Municipal roads and footpaths either by issuing licences at suitable places or by removing unauthorised hawkers from roads and footpaths. The total amount recovered from hawkers by way of redemption and demurrage charges works out to Rs. 47,32,392.00 for 1985-86 as against Rs. 40,31,386.00 for 1984-85.

(ii) The Corporation, on the recommendation of Hawkers Committee, have accorded their sanction to tolerate the hawkers by sufferance by charging them uniform fee of Rs. 3/- per hawker per day on the roads other than prohibited areas where the hawkers will not cause obstruction to the traffic. Accordingly, the scheme has been implemented in Westerns and Eastern Suburbs from 1984. An amount of Rs. 20,48,322 has been recovered by implementing this scheme from 1-4-1985 to 31-3-1986 as against Rs. 18,22,896 for 1984-85. Drastic removal actions are taken against the hawkers doing business unauthorisedly in the area which is prohibited for hawking.

(2) B :— As per judgement of the Supreme Court *vide* Writ Petitions Nos. 5602 — 5605 of 1983, Scheme of 'Hawking and Non-Hawking Zones' has been formulated in consultation with the Municipal Councillors of the area and representatives from the Hawkers Union and implementation has been started in Zone-I (*i.e.* A to E Wards) from February 1986 on trial basis and same will be implemented in other wards gradually after gaining experience of the implementation of the Scheme in Zone-I *i.e.* A to E Wards. According to Judgement, licensed hawkers in 'Non-Hawking Zones' are to be shifted in the 'Hawking Zones'. This is a very difficult task and the same is being tackled tactfully.

(3) Stall Board Section :—

This wing deals with issue of permission for various types of projections, *viz.*, Stall boards, Weather Frames, Over Hanging Awnings, Show-cases, Cupboards, Steps, etc., under Section 313(1)(b)(c) of the B. M. C. Act.

(4) Advertisement Section :—

This wing regulates various types of advertisements and Sky-signs in City and Suburbs under the provision of Section 328/328A of the B. M. C. Act.

(5) Mass Raid Section :—

There are five Mass Raid Squads for detecting unauthorised inflammable and explosive storages. As a result of their detections of unauthorised storages and trades and infringement in case of licensal premises, 3029 courts cases have been launched in addition to forfeiture of Security Deposits of Rs. 2,10,496 paid by the licensees.

(6) Flying Squad Section :—

A Flying Squad consisting of Officer of the Bombay Fire Brigade Department and the Licence Department, has been created from 1-8-1983 under the overall control of the Dy. Municipal Commissioner (Improvements) to detect the unauthorised explosive and highly inflammable storages of chemicals, petrochemicals which are of potential fire hazard and to lodge a complaint with the police and to seize such highly inflammable/explosive goods. The squad is required to move especially in A to E Wards to detect unauthorised hazardous storages so as to put a check on even temporary storages of such materials which are likely to result into big fire.

For the period from 1-4-1985 to 31-3-1986, this squad has detected 83 cases of unauthorised storages of inflammable/hazardous chemicals and complaints have been lodged with police and actions under Section 516AA of the B.M.C. Act, have been taken. The Squad has seized 2,68,582 Kgs. of such chemicals in the year under review. Total storage charges recovered for storing the goods so seized are Rs. 2,78,110. 52 court cases have been finalised resulting into conviction and inflicting fine of Rs. 20,650. In addition to this, they are attending calls from fire brigade Officer and other complaints from the public regarding unauthorised storages of such materials throughout Greater Bombay and at any odd hours. Science graduates are appointed on this squad.

Acc. : Appendix A, B, C and D.

STATEMENT SHOWING THE REVENUE POSITION FOR THE YEAR 1985-86

Sr. No.	Particulars.	No. of licences.	Actual collection for the year 1985-86.
1.	Licences for Storages & Trades under Section 394 of the B. M. C. Act.	1,14,736	4,29,77,550
2.	Licences for Stall Board projection under Section 313(1)(b)(c) of the B. M. C. Act.	45,266	86,39,685
3.	Licences for Advertisement under Section 328/328A of the B. M. C. Act.	6,435	75,55,096
4.	Licences for hawkers & squatters under Section 313(A)(B) of the B. M. C. Act.	13,612	74,41,789
5.	Recovery of Daily fees from hawkers of Rs. 3/- per day per hawker.	—	20,48,322
6.	Redemption Charges (Lorry collection)	—	47,32,392
7.	Miscellaneous Receipts.	—	93,833
8.	Ground Rent.	—	21,33,570
Total :—		1,80,049	7,56,22,237

APPENDIX — 'A'

STATEMENT SHOWING THE NUMBER OF LICENCES AND PERMITS ISSUED AND FEES RECEIVED IN THE YEAR 1983 TO 1985-86

DESCRIPTION	YEAR	NUMBER OF LICENCES & PERMITS			AMOUNT OF FEES REALISED (IN Rs.)		
		CITY DIV. I	WESTERN SUBURBS DIV. II	EASTERN SUBURBS DIV. III	CITY DIV. I	WESTERN SUBURBS DIV. II	EASTERN SUBURBS DIV. III
(1) Commodities & Trades including Milk and its products. (Section 394 and 412A)	1983-84	63,214	* 49,085		1,34,47,724	* 1,33,98,144	
	1984-85	59,572	29,980	14,714	1,89,73,579	1,21,06,870	79,87,415
	1985-86	61,805	36,137	15,010	2,05,22,227	1,33,03,094	88,71,240
(2) Blowing Steam Whistles. (Section 393)	1983-84	32	* 98		2,549	* 13,616	
	1984-85	136	12	75	2,710	4,715	13,142
	1985-86	40	22	75	2,462	4,725	15,805
TOTAL :—	1983-84	63,246	* 49,183		1,34,50,273	* 1,34,11,760	
	1984-85	59,707	29,992	14,789	1,89,76,289	1,21,11,585	80,00,557
	1985-86	61,845	36,159	15,085	2,05,24,689	1,33,07,809	88,87,045
(3) Transfer of fees. (Section 394 & 412A).	1983-84	614	* 612		29,295	* 42,568	
	1984-85	551	255	249	55,344	53,052	38,343
	1985-86	746	603	298	1,02,219	1,04,887	50,901
Grand Total :—	1983-84	63,860	* 49,794		1,34,79,568	* 1,34,54,328	
	1984-85	60,258	30,247	15,038	1,90,31,633	1,21,64,637	80,38,900
	1985-86	62,591	36,762	15,383	2,06,26,908	1,34,12,696	89,37,946

* This figures includes Revenue of Div. II and Div. III together.

APPENDIX — 'B'
**STATEMENT SHOWING THE NUMBER OF PERMITS FOR ADVERTISEMENT ISSUED AND
 AMOUNT OF FEES COLLECTED DURING THE YEAR 1983-84 TO 1985-86**

DESCRIPTION	YEAR	NUMBER OF PERMITS			AMOUNT OF FEES REALISED. (IN Rs.)		
		CITY	WESTERN SUBURBS	EASTERN SUBURBS	CITY	WESTERN SUBURBS	EASTERN SUBURBS
		Div. I	Div. II	Div. III	Div. I	Div. II	Div. III
(1) Wall Posters, Hoardings and Boards.	1983-84	4831		* 2031	75,65,668		* 17,98,917
(2) Moveable Boards and Hand Carts.	1984-85	4689	1767	663	62,28,654	14,74,271	6,13,787
(3) Illuminated Advertisements, Sky-signs.	1985-86	3844	1867	724	70,05,396	19,38,820	7,44,450
(4) Non-illuminated Sky-signs.							
Total :-	1983-84	4831		* 2031	75,65,668		* 17,98,917
	1984-85	4689	1767	663	62,28,654	14,74,271	6,13,787
	1985-86	3844	1867	724	70,05,396	19,38,820	7,44,450

* This figures includes Revenue of Div. II and Div. III together.

APPENDIX — 'C'

**STATEMENT SHOWING THE NUMBER OF HAWKERS LICENCES ISSUED AND AMOUNT
 OF FEES COLECTED DURING THE YEAR 1983-84 TO 1985-86.**

DESCRIPTION	YEAR	NUMBER OF LICENCES ISSUED			AMOUNT OF FEES COLLECTED (IN Rs.)		
		CITY	WESTERN SUBURBS	EASTERN SUBURBS	CITY	WESTERN SUBURBS	EASTERN SUBURBS
		DIV. I	DIV. II	DIV. III	DIV. I	DIV. II	DIV. III
(1) Squatters fees collect- from licenced Hawkers.	1983-84	9441		* 3359	40,48,229		* 18,61,128
	1984-85	9411	2373	1236	60,74,738	13,34,829	6,40,757
	1985-86	9622	2241	928	51,56,015	12,97,004	7,50,115
(2) Fees received from itinerant hawkers licences (under Section 313).	1983-84	380		* 208	1,55,109		* 3,800
	1984-85	358	11	—	2,016	120	90
	1985-86	69	659	93	1,619	2,03,207	33,829
Total of Item No. 1 & 2 :-	1983-84	9821		* 3565	42,03,338		* 18,64,928
	1984-85	9769	2384	1236	60,76,754	13,34,749	6,40,847
	1985-86	9691	2900	1021	51,57,634	15,00,211	7,83,944
(3) Recovery of expenses under Section 490 for removal of encroach- ment under Section Section 314.	1983-84	—	—	—	24,92,169		* 9,21,811
	1984-85	—	—	—	28,64,358	7,92,474	2,74,554
	1985-86	—	—	—	24,47,917	14,40,352	8,44,123
FINAL TOTAL :-	1983-84	9821		* 3565	70,95,507		* 27,86,739
	1984-85	9769	2384	1236	90,41,112	21,27,223	9,15,401
	1985-86	9691	2900	1021	76,05,551	29,40,563	16,28,067

* This figures includes Revenue of Div. II and Div. III.

APPENDIX - 'D'

STATEMENT SHOWING THE NUMBER OF LICENCES ISSUED IN RESPECT OF STALL BOARD, ETC.,
PROJECTION IN CITY, SUBURBS AND EXTENDED SUBURBS DURING THE YEAR
1983-84 to 1985-86 UNDER SECTION 313(1)(b)(c)

YEAR	NUMBER OF LICENCES ISSUED			AMOUNT OF FEES COLLECTED (In Rs.)		
	CITY	WESTERN SUBURBS	EASTERN SUBURBS	CITY	WESTERN SUBURBS	EASTERN SUBURBS
1983-84	42,278	* 3,280		57,30,146	* 3,49,803	
1984-85	42,072	2,071	1,220	84,99,053	3,67,129	2,03,078
1985-86	41,940	2,316	1,010	79,43,350	4,64,570	2,31,765

* This figures includes Revenue of Div. II and Div. III together.

SHOPS AND ESTABLISHMENTS

	Rs.
Salient Features.	
Revenue Receipts.	42,23,104.25
Expenditure on different activities (Exclusive of Provident Fund and Supervision Charges etc.).	37,52,925.30
Number of establishments registered.	2,55,802
Number of employees working therein.	7,74,451
Complaints received.	974
Complaints disposed of.	963
Prosecution launched.	11,961
Cases decided.	12,680
Total fine realised	Rs. 9,85,551.00
Grant-in-aid received during the year for the year 1985-86 from the State Government.	NIL
Total benefits under Minimum Wages Act.	
(1) Number of employees benefited.	1,680
(2) Amount of benefit given.	Rs. 13,03,871.77

This department administers Bombay Shops & Establishments Act 1948, Payment of Wages Act 1936, Minimum Wages Act 1948 and Maternity Benefit Act 1961 throughout the Greater Bombay on behalf of the State Government.

The department consists of 5 Supervisory Staff, 92 Inspectorial Staff, 48 indoor staff and 54 Shop Attendants and peons. The Chief Inspectors is incharge of this department.

The total numbers of establishments registered under the Shops & Establishment Act 1948 were 2,55,802 and their clarification is shown in Appendix 'A'.

The total number of complaints received during the year were 974 out of which 963 were disposed of as detailed in Appendix 'B'. Similarly, total number of prosecution launched under the Bombay Shops & Establishments Act 1948 during the year were 11,961 and 12,680 prosecutions were decided and fine of Rs. 9,85,551 was inflicted on the lawbreakers.

In the year 1985-86 there was no excess of expenditure over income on the administration of the Shops and Establishments Act 1948.

The total expenditure incurred on different activities of the department during the reporting year was Rs. 37,52,925.30 (exclusive of provident fund, leave contribution and supervision charges) as against this total income by way of Registration fees etc. during the reporting year was Rs. 42,23,104.25.

Total number of visits paid to the establishments for the purpose of enforcement of Minimum Wages Act, 1948 during the year under report were 8718 out of which 4456 were shops, 3509 Commercial establishments, 609 for residential hotels, Eating houses and Restaurants and 144 for theatres.

As a result of intervention of inspectors of this department 1680 employees are benefited by way of increase in wages, differences on account of payment of difference in wages due to revision of Special Allowance etc. to the tune of Rs. 13,03,871.77.

In all 1374 Mass Raids were held during the year for the purpose of enforcement of the provisions of Bombay Shops & Establishments Act 1948 and Minimum Wages Act 1948.

APPENDIX 'A'
Registered Establishments

Category.	City	Western Suburbs.	Eastern Suburbs.	Total
Shops	79,749	38,230	29,044	1,47,023
Commercial Establishments.	66,503	18,132	11,200	95,835
Residential Hotels.	540	198	67	805
Restaurant & Eating Houses.	6,095	2,937	2,882	11,914
Theatres.	123	61	41	225
Total	1,53,010	59,558	43,234	2,55,802

APPENDIX 'B'
Complaints Received.

Category	Outstanding at the beginning of the year			Received during the year			Investigated during the year			Pending at the end of the year		
	City	W. S.	E. S.	City	W. S.	E. S.	City	W. S.	E. S.	City	W. S.	E. S.
Shops and Estts. Act 1948.	171	—	12	790	132	52	790	124	49	171	8	15
Payment of Wages Act 1936.	2	—	—	41	11	3	39	11	3	4	—	—
Minimum Wages Act 1948.	—	—	—	813	—	2	211	—	2	602	—	—
Workmen's Compensation Act 1923.	—	—	—	7	—	—	7	—	—	—	—	—
Total	173	—	12	1651	143	57	1047	135	54	777	8	15

MUNICIPAL GARDENS

1)	Income	Rs. 8,97,468
2)	Expenditure	Rs. 2,39,98,791
3)	Amount spent on Zoo	Rs. 12,99,608
4)	Expenditure on New Works and Special Repairs	Rs. 12,94,326
5)	Recreational activities added during the year 1985-86	
	1) Gardens	7 Nos.
	2) Playgrounds	2 Nos.
	3) Fountains	1 No.
	4) Bandstands	---
	5) Traffic Islands	39 Nos.
	6 Nurseries	1 No.
	7) Plant Sale Counters	1 No.
	8) Trees planted	19735 Nos.
	9) Plants distributed	70000 Nos.

The Gardens department looks after the recreational activities of the Corporation and is at present having 277 gardens, 157 playgrounds, 35 gardens attached to the Municipal Building, 97 traffic islands gardens, 61 water fountains, 13 bandstand, 22 nurseries and 3 sale counter all over Greater Bombay.

Veer mata Jijabai Bhosle Udyan which is centrally located has remained one of the best attractions to the visitors as was in the past. Joy rides, shady trees and 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 a centrally located plot of about 2,400 Sq.M. near the fountain. At the centre of the Japanese Garden, there is a pond which is surrounded by a stream, a water fall and a pergola. Another interesting feature of the garden is the kabuki gate which is made up of teak wood. It is one of the most picturesque beautify spot. The pond is skirted by a passage and one will observe different facets of the garden while walking around it. There are tasteful artistic stones, stepoin stones and a wooden bridge. Besides there is a snow view stone lanterns installed in the garden to represent its symbolic meaning as griginally being used for lighting.

Zoo : In April, 1985 a pair of Baby Elephants was gifted to the Yokohama Zoo as a token of our goodwill and to further the sister-city-relations between the Mumbai and Yokohama.

During the year 1985-86 one Albino Black Buck, 4 Sambar deers, 6 spotted deers, 3 painted storks, 6 Indian Goose, 3 Blue Bulls were born in the Zoo. In addition 4 Flamingoes were added to the Zoo. Moreover 1 Nilgiri langoor and 3 lion tailed monkeys were collected as a gift from the Mini Zoo at Khandala.

One elephant female was doneted to Peshawe Park, Pune from our Zoo.

During the year under report all the cages/enclosures have been painted. Moreover, major repairs and renovation works of some of the cages have been carried out.

The work of construction of Birds cage 10 units with glass fronts and redesigning of Deer enclosures are in progress. In addition, the work of preparation of plans and estimates for Tiger cage, Aquatic Birds cage, Boating park has been taken up by Dy. C.E.(P & D).

Anna Bhau Sathé Khule Open Air Theatre :

The Open Air Theatre has been closed since June, 1984.

Recreation Activities :

During the year under report 7 Garderns, 2 playgrounds and 39 traffic islands are added. The existing gardens and playgrounds in the City, Eastern and Western Suburbs having beautiful trees, shrubs, green lawns and flower beds were maintained properly.

Fountains :

There are 61 fountains in Greater Mumbai Limit which have added to the beauty of the city with have added to the beauty of the city with their Multi-coloured lights.

During the year 1985-86 a massive tree plantation programme was undertaken to combat the evil effects of air pollution. 1145 trees in City, 2065 trees in Western Suburbs and 16,550 trees in Eastern Suburbs were planted. As a part of grow more tree campaign 70000 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	143	70	64	277
		(including V.J.B.U.)			
2.	Playgrounds	91	38	28	157
3.	Gardens attached to Municipal Buildings	16	16	3	35
4.	Fountains	34	12	15	61
5.	Band Stands	7	3	3	13
6.	Box Hedges	1	1	—	2
7.	Statues	12	2	4	18
8.	Traffic Islands	71	16	10	97
9.	Nurseries	9	8	5	22
10.	Sale Counters	1	1	1	3
11.	Plantation of trees	1145	2065	16550	19760
12.	Existing trees	307612	24500	35682	90943

Municipal Free Reading Room & Liabraries.

There are 31 Municipal Free Reading Rooms and Libraries. (including one circulating library). Out of these 26 libraries (20 on Div. I, 3 on Div. II (W. S.) and 3 on Div. III (E. S.) are being managed by the Mumbai Marathi Granthasangrahalaya as per C. R. No. 1822 of 17-3-1981. The remaining five libraries (four on Div. I and one on Div. II (W. S.) are being conducted by the Municipal Corporation Greater Bombay.

Periodical insecticide treatment was given during the year to the library premises.

The details of books purchased, number of visitors, income and expenditure etc.

Particulars	Division I		Division II (W.S.)		Division III (E. S.)	
	1984-85	1985-86	1984-85	1985-86	1984-85	1985-86
Books purchased.	278	333	357	217	—Nil—	—Nil—
Cost of the books (excluding discount).	Rs. 6342	Rs. 6711	Rs. 6481	Rs. 5697	—Nil—	—Nil—
Number of visitors.	15668	23249	30330	27916	—Nil—	—Nil—
Incoms.	Rs. * 69485	Rs. 43367	Rs. * 19349	Rs. 9203	Rs. 1080	Rs. 3240
Expenditure excluding grant paid to the M. M. Granthasangrahalaya.	Rs. 159305	Rs. 159182	Rs. 45073	Rs. 48676	Rs. 143	Rs. 182
Grant paid to the M. M. Granthasangrahalaya.	Rs. 262871	Rs. 240000	Rs. 36000	Rs. 36000	Rs. 36000	Rs. 36000

During the course of the year, Sobani Municipal Free Reading Room and Library remained closed as per M.C.'s orders No. MDB/1065 of 22-12-1983. The premises of Hali Memon Municipal Free Reading Room and Library requires heavy repairs and the issue of repairs is under correspondence with Minara Masjid Trust who are the trustepouns of the premises, hence the library was closed to the public from 22-6-1983.

@ 144 old Gujarathi books were received as donation from Lokmanya Seva Sangh, Vile-parle for Dasharathala Joshi Municipal Free Reading Room and Library.

* The figures include the recovery from Mumbai Marathi Granthasangrahalaya of arrears of compensation for the use and occupation of the library premises at the revised rate as per the C. R. No. 2021 of 29-3-1984 for the previous period.

DR. BHAU DAJI LAD MUSEUM (ESTD. 1855)

The Museum formerly known as Victoria and Albert Museum was handed over to the Corporation by the Bombay Government in 1855. It was renamed on 1st November, 1975 as Dr. Bhau Daji Lad Museum.

The exhibits in the Museum are classified in different sections such as Agriculture & Village-Life, Armoury, Cottage-Industries, Ethnology, Fine-Arts, Fossils, Indian-Coins, Minerals, Miscellaneous-Collection, Old-Bombay Collection, Pre-History & Geology and Religion & Mythology. A Coin-Cabinet Contains Ancient Indian Coins. The Reference Library of the Museum contains books on Art, Archaeology, Old-Bombay, History etc. Eighteen volumes contain specimens of Indian Textile. These are made available for reference/perusal on request.

The work of taking fair copies of the Old available Annual Reports of the Museum was continued further during the year and the files for the decades were prepared for ready reference. The work of preparing the fair list of the photographs of the Picture-Post-Cards obtained from the Parsi Panchayat Museum was continued further. The work of sketching and recording the details of the ethnological figures, which are being painted a fresh was continued further.

Regular Soil-Treatment against the White Ants was continued during the year.

Special Efforts were made to enrich the Old-Bombay Section of the Reference Library by purchasing rare books.

Necessary help was rendered to the Scholars and Persons interested in the different sections of the exhibits in bringing out articles, thesis etc.

Shri V. N. Barve, who was working as Curator of Museum for about last Ten Years, retired on superannuation from 1st March 1986.

Shri M. D. Mistry, appointed as Ag. Office Superintendent on the Establishment of Dr. Bhau Daji Lad Museum, with effect from 1st March 1986 and he is also directed to look after the duties of Curator of Museum.

THE DETAILS REGARDING THE NUMBER OF VISITORS, SALE PROCEEDS OF ADMISSION-TICKETS, TOTAL EXPENDITURE ETC.

PARTICULARS.	1984-85.	1985-86.
The Number of days Museum was kept open.	300	* 267
Total Number of visitors.	7,68,704	* 6,93,160
Sale proceeds of Admission Tickets.	86,200.20	** 1,07,273.90
Sale proceeds of Museum Guides and Minor Receipts.	725.41	766.00
Fees for taking photographs.	937.00	958.00
Sale proceeds of Scrap, Waste Papers, etc.		
Receipt of grant from the Central Government.		
Total expenditure (Excluding the amount spent from the Grant from the Central Government).	2,13,860.00	3,09,657.00

NOTE :—

* Dr. Bhau Daji Lad Museum is kept closed for the painting purpose from 10-2-1986.

** The Rate of Admission tickets has been revised from 00-20 Paise to 00-50 Paise with effect from 16-12-1985. Hence the figures of income is slightly higher than the figures of the last year.

MUNICIPAL SWIMMING POOLS

The Municipal Swimming Pools in Greater Bombay viz., Mahatma Gandhi Memorial Olympic Swimming Pool at Dadar, Ghatkopar Lions Municipal Swimming Pool at Ghatkopar, Nirlon Olympic Municipal Swimming Pool at Goregaon were fully utilised by the public during the year under report. The number of Casual Swimmers and the regular members are on the increased scale from year to year. Concessional facilities for the school were adequately utilised by schools.

Sardar Vallabhbhai Patel Swimming Pool at Kandivli is closed for repairing work since 6-11-1984.

At Mulund Swimming Pool the membership has not yet been started. Admissions to the Casual Swimmers are given there.

33rd Anniversary of the M. G. M. O. Swimming Pool was observed on 27th April 1985 by holding Swimming competitions amongst the members of all the Municipal Swimming Pools.

National Age Group Aquatic Meet held at Calcutta from 22-8-85 to 28-8-85. Two members participated in the National Age Group Meet. 49th M. S. A. A. Championship held at Sholapur from 19-10-1985 to 20-10-1985 and two members participated in it. National Games 1985 held at New Delhi from 19-11-1985 to 26-11-1985 and three members participated in it. Mini Olympics held at Sholapur from 29-1-1986 to 2-2-1986 and four members participated in it.

M. G. M. O. Water Pole League Tournament was held at M. G. M. O. Swimming Pool in August 1985.

FINANCIAL

Swimming Pool	Income	Expenditure
(1) M. G. M. O. Swimming Pool, Dadar.	8,48,000	4,84,795
(2) N. O. M. Swimming Pool, Goregaon.	2,55,700	4,27,426
(3) S. V. P. Swimming Pool, Kandivali,	18,329	1,06,163
(4) G. L. M. Swimming Pool, Ghatkopar.	4,76,940	4,53,898
(5) Mulund Swimming Pool, Mulund.	3,82,214	8,79,927

SWIMMERS

Swimming Pool	New Admissions	Casual Swimmers	School Children	No. of Institution	Private Reservation
(1) M. G. M. O. S. Pool, Dadar.	7631	6179	2244	20	141 Hours Rs. 12,860
(2) N. O. M. Swimming Pool, Goregaon.	587	107322	428	10	60 Hours Rs. 8,015
(3) S. V. P. Swimming Pool, Kandivali.	—	—	—	—	—
(4) G. L. M. Swimming Pool, Ghatkopar.	2535	87087	599	5	94 Hours Rs. 8,930
(5) Mulund Swimming Pool, Mulund.	—	—	—	—	—

RAJA DR. BALDEV DAS BIRLA KREEDA KENDRA.

Raja Dr. Baldevdas Birla Kreeeda Kendra, has a Multipurpose auditorium, fully Air Conditioned and equipped with normal electrical accessories viz., flood lights, spot lights, solar lights, full set of Loud speaker with six mikes etc. required for staging dramas or Musical concerts. The auditorium has a seating capacity 625 push back type chairs. The auditorium is rented to various organisations and individuals for staging dramas, Musical entertainments, social functions, meeting etc.

Children Hall and Boat house are also rented for drama rehearsal and meeting.

Municipal departments arrange their programmes at Birla Kreeeda Kendra. These included ::

- (a) One Act plays of Welfare Centres of Labour Department.
- (b) Inter-Ward and Inter Departmental Dramatic competition organised by Labour Department.
- (c) Sports and Guide meetings of Education Department.
- (d) Prize Distribution functions of Education Department and Health Department.
- (e) Mayor's Award and other functions arranged by Municipal Secretary.
- (f) Public Relation Department and Hospitals and Medical Colleges.
- (f) Farewell functions in honour of staff.
- (g) Gathering and other functions of Municipal Medical Colleges and Hospitals.

Birla Kreeeda 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, Garden were booked as under :-

(1) Auditorium.	(a) For programmes (b) for rehearsals	The whole Birla Kreeeda Kendra was closed for major structural repairs from 9-2-85 till today.
(2) Boat House	Sessions 115	The Boat house and children hall were closed down for structural repairs for some time hence less session.
(3) Children Hall.	Sessions 71	
(4) Garden for parties Reception etc.	Sessions 147	

The expenditure was restricted to the Budgetary Provisions whereas the programmes conducted and the income derived there from were more than anticipated figure in the performance budget.

An amount of Rs. 3,32,493.00 was collected by way of revenue and an amount of Rs. 2,95,005.00 as expended on salary of staff and other items of Maintenance.