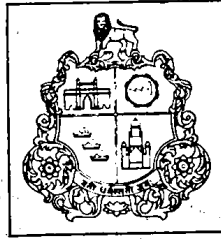


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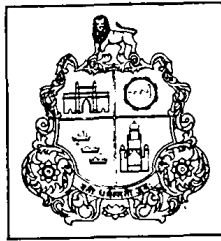
Administration Report
of the
Municipal Commissioner
for
Greater Bombay
1983-84

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City, Suburbs and Extended Suburbs

MUNICIPAL PRINTING PRESS
BOMBAY—400 001.



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ADMINISTRATION REPORT—1983-84.

Pursuant to section 124 of B.M.C. Act, I am presenting the Administration report for the year 1983-84.

With efforts made to streamline procedures and to bring in extra revenue from property tax, octroi and W.S.S.D. tariffs, these services were maintained at the satisfactory levels during the year. Now developmental activities had to be restricted due to financial position. However, in order to improve the services and facilities, on going works such as extensions to hospitals, sport complexes at Mulund and Andheri, W.S.S.D. works, Sport repairs to major roads, signalling of 72 Junctions with improved systems, improvement of slums were continued during the year.

In addition to above, the publication of draft development plan of Island City of Bombay along with D. C. Rules and Building By-laws, Creation of a new fund "Golden Jubilee Research Endowment Fund" for carrying out research in dental science, special key-school programme for talented/gifted children in municipal schools; establishment of 56 health posts for rendering basic health and family welfare services to urban poor, introduction of family pension through banks are some of the achievements of the year."

J. G. KANGA,
Municipal Commissioner.

GENERAL

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

CORPORATION

Shri M.H. Bedi who was elected Mayor at the First Meeting of the Corporation held on 4th April 1983, held that Office throughout the year.

2. One hundred and sixty-nine Meetings of the Corporation, including twenty-three Special Meetings and adjourned Special Meetings, one hundred and seventeen Meetings of the Special Committees and seven Meetings of the Consultative Committees were held during the year.

3. Shri S.S. Patel had ceased to be a Municipal Councillor from 20th March 1982 under Section 17(d) of the Bombay Municipal Corporation Act. The vacancy so caused was not filled in till the end of the year 1983-84. Similarly the vacancies caused by the death of Shri B.R. Gawde, who died on 9th April 1982 and Shri A.K. Dabholkar, who died on 11th May 1983, were not filled in.

4. The Corporation accorded Civic Reception to (i) the Presiding Officers of the Legislative Bodies of India; (ii) Shri Sunil Gavaskar, Outstanding Cricketer of the era and Michael Ferreria, Thrice World Amateur-Billiard Champion and Kum. Rohini Khadilkar, International Women Chess Master.

STANDING COMMITTEE

Dr. S.R. Majmundar who was elected Chairman of the Standing Committee at their Meeting held on 9th April 1983, held that Office throughout the year.

Shri Baburao A. Naik was an Ex-Officio Member of the Standing Committee on his appointment as the Chairman of the Education Committee with effect from 8th April 1983.

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

One hundred and ninety Meetings, including regular and adjourned Meetings and Special and adjourned Special Meetings, were held during the year. Five Meetings of the Sub-Committee were held during the year.

IMPROVEMENTS COMMITTEE

Shri J.M. Tanna who was elected Chairman of the Improvements Committee at their Meeting held on 12th April 1983, held that Office throughout the year.

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

Seventy seven Meetings including regular and adjourned Meetings and Special and adjourned Meetings were held during the year. One Meeting of the Sub-Committee was held during the year.

EDUCATION COMMITTEE

Shri Baburao A. Naik, who was elected Chairman of the Education Committee at their Meeting held on 8th April 1983, held that Office throughout the year.

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

Fifty one 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 year.

TREE AUTHORITY

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

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

Shri K.N. Kolhatkar continued to hold the post of the Municipal Secretary during the year under Report, except during the leave period of 38 days from 24th October 1983 to 30th November 1983, when Shri C.P. Shah, B.A., was appointed as Ag. Municipal Secretary.

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 1983-84 so far as this department was concerned.

LIST OF COUNCILLORS WHO HELD OFFICE AS ON 31ST MARCH 1984.
CORPORATION

SHRI M. H. BEDI, Mayor.

DR. S. R. MAJMUNDAR, G.F., A.M. Chairman, Standing Committee.

SHRI J. M. TANNA, Chairman, Improvements Committee.

SHRI B. A. NAIK, Chairman, Education Committee.

SHRI C. S. MEHTA, B.Com., F.C.A., Chairman, B. E. S. & T. Committee.

AMIN, SHRI B. H.	PARIHAR, SMT. PARVATI L.
ACHARYA, SHRI S.N.	PAWAR, SHRI N.B., B.A., LL.B., ADVOCATE, HIGH COURT.
ANKLESWARIA, SHRI R. C., B.SC., B.T., J.T.C., M.ED.	PARVATKAR, SHRI V.M.
AMBRE, SHRI S.S.	PATIL, SHRI A.W.
OOMMACHEN, SHRI C.D.	PATIL, SHRI J.M.
KADAM, SHRI P.R.	PATIL, SHRI B.H.
KADAM, SHRI R.T.	PATIL, SMT. MANORAMA D.
KAVTHE, SHRI M.N.	PAREKH, SHRI P.R.
KAZI, PROF. A.A., M.A., LL.B.	PAREKH, SHRI M.C.
KANDALGAONKAR, SHRI M.K.	PASHTE, SHRI A.P., B.A., LL.B.
QURESHI, SHRI G.G.	PASI, SHRI N.M.
KULKARNI, SMT. SHALINI P.	PUJARI, SHRI N.L., B.A., LL.B.
KOPARDE, SHRI E. R., B.A.,	PAI, DR. P. S.
KOLI, SHRI Y.P.	PRADHAN, SHRI D. S.
CONTRACTOR, SHRI A.S.	PRABHOO, DR. R.Y., M.B.B.S. (BOM.).
KHADYE, SHRI V.P.	FALNIKAR, SMT. NEELA V.
KHAN, SHRI F.A., M.A., LL.B.	BACHHAV, SMT. PRAMILA S.
KHAN, DR. H.R., B.T.M.B.	BARIA, SHRI N. K.
KHANDWANI, SHRI M.A.	BOMAN-BEHRAM, SHRI B.K., M.A., LL.B.
GAJMAL, SHRI G.D.	BHAVE, SHRI M.G.
GAJKWAD, SHRI V.B.	BHUJBAL, SHRI C.C., L.M.LE.
GOYAL, SMT. CHANDRAKANTA V.	MERCHANT, SHRI Y.M.
GAMBHIR, SHRI S.A.	MADHUKUNTA, SHRI D. K.
GANDHI, SHRI V.R.	MAYEKAR SHRI R. S.
CHATURVEDI, SHRI M.M.	MAHAJAN, DR. (SMT.) BAKHTAVER S.
CHAVAN, SHRI M.G.	MAHADIK, SHRI V. S. B.A (Hons.), L.S.G.D.
CHAVAN, SHRI R.N.	MAHALKARI, SHRI G. G.
CHAVAN, SHRI S.S.	MANE, SHRI A. G.
CHAVAN, SHRI S. B.	MANJREKAR, SHRI V. S.
CHAPHEKAR, SHRI A.M.	MULAKAWAD, SHRI L. F.
CHARNIA, SHRI J.V.	MENON, SHRI C. B.
CHIMBULKAR, SHRI R.K.	MEMON, DR. A. U.
CHOPRA, SHRI B.M.	MEHTA, SHRI RUSI M.
CHADDA, SHRI V.M.	MHATRE, SHRI P. A.
CHHABRIYA, SHRI K.P.	YADAV, SHRI B. M.
JADHAV, SHRI B.K.	RANE, SMT. SUGANDHA M.
JADHAV, SHRI L.M.	RAO, SHRI SHARAD.
JANI, SHRI D.D., B.A., LL.B.	LAUD, SHRI R.P.
JEELANI, SHRI K.G.	WAGLE, SMT. PUSHPALATA M.
ZARAPKAR, SHRI D.G.	WAGHELA, SHRI R. Z.
ZUTE, SHRI B.D.	VANU, SHRI NIYAZ A. L.
THAKARE, SHRI G.S., B.COM.	WELKAR, SMT. ASHA S.
THANEKAR, SHRI K.B.	VAIDYA, SHRI P. V., B.A., LL.B., Advocate.
D'CRUZ, SHRI C.R.	SHARMA, SHRI P. S.
D'MELLO, SHRI V.C.	SHAH, SHRI N. M.
TARIQ, SHRI S.A.	SHAH, SHRI R. S.
DALAL, SHRI B.C.	SHAH, SHRI H. G.
DALVI, SHRI V.S.	SHIRKE, SHRI G. G.
DUTIA, SHRI G.B.	SHETE, SHRI B. H.
DUBE, SHRI O.M.	SHETTY, SHRI K. D.
DUBE, SHRI R.M.	SHETTY, SHRI S. B.
DESAI, SMT. ALKA A., S.T.C., T.D.	SHETTY, SHRI S. C.
DHARAP, SHRI V. G., B.A., LL.B.	SHETYE, SHRI R. J.
NARE, SHRI D.B.	SHETH, SHRI G. H.
NALAWDE, SHRI DATTA.	SHELAR, SHRI K. B.
NAIK, SHRI M.R.	SHELAR, SHRI B. S.
NARVEKAR, SHRI S.M.	SHRINGI, DR. V. G. M.A., M.S. (Delhi)
NIKLANKAR, SHRI P.D.	SAMANT, DR. (SMT.) VINITA D.
NEVREKAR, SHRI K.R.	SING, SHRI R. R.
PATEL, SMT. INDUMATI T., B. A.	SOOFI, SHRI A. R.
PATEL, SHRI, M.H.S.	SEHGAL, SHRI P. H.
PATHAN, SHRI M.M.	SAYYAD, SHRI M. H.
PADWAL, SHRI C.S.	SONAWANE, DR. (SMT.) SHALINI M., M.B.B.S.
PADWAL, SHRI R.V.	SOLANKI, SHRI T. G.
PADWAL, SHRI H.P.	SANGHAVI, SHRI R. J., B.Sc. (Hons.).
PARMAR, SHRI N.D.	SHRI S. RAMCHANDRAN.

LIST OF THE MEMBERS OF THE STANDING COMMITTEE, WHO HELD OFFICE AS ON 31ST MARCH 1984
DR. SAURABH R. MAJMUNDAR, (Chairman).

KOPARDE, SHRI E. R.
KHADYE, SHRI V. P.
CHHABRIYA, SHRI K. P.
DUBE, SHRI R. M.
DESAI, SMT. ALKA A.
NARE, SHRI D. B.
NAIK, SHRI B. A. (Chairman Education Committee);
PASHTE, SHRI A. P.

PRABHOO, DR. R. Y.
BHUJBAL, SHRI C. C.
MHATRE, SHRI P. A.
RAO, SHRI S. J.
SHAH, SHRI R. S.
SHETTY, SHRI S. B.
SHELAR, SHRI B. S.
SANGHAVI, SHRI R. J.

LIST OF THE MEMBERS OF THE IMPROVEMENTS COMMITTEE, WHO HELD OFFICE AS ON 31ST MARCH 1984.

SHRI. TANNA J. M.†(Chairman).

ANKLESWARIA, SHRI R. C.
KULKARNI, SMT. SHALINI
JANI, SHRI D. D.
ZARAPKAR, SHRI D. G.
DUTIA, SHRI G. B.
NAIK, SHRI M. R.
PATEL, SMT. INDUMATI T.
PATEL, SHRI M.H.S.

PATIL, SHRI B. H.
PARVATKAR, SHRI V. M.
FALNIKAR, SMT. NEELA V.
MERCHANT, SHRI Y. M.
MADHUKUNTA, SHRI D. K.
SHETH, SHRI G. H.
SEHGAL, SHRI P. H.

LIST OF THE MEMBERS OF THE EDUCATION COMMITTEE, WHO HELD OFFICE AS ON 31ST MARCH 1984.

SHRI BABURAO A. NAIK†(Chairman).

GAIKWAD, SHRI V. B.
CHAVAN, SHRI R. N.
CHAVAN, SHRI S. B.
CHADDA, SHRI V. M.
JADHAV, SHRI B. K.
JOSHI*, SHRI R. G.
PAWAR, SHRI N. B.
PATIL, SHRI A. W.

BORICHA*, SHRI P. H.
MAHAJAN, DR. (SMT.) BAKHTAVER S.
RAYKAR*, SMT. S. H.
RAMCHANDRAN, SHRI S.
VANU, SHRI NIYAZ A. L.
SHAH*, SHRI J. P.
SHETTY, SHRI S. C.

* Non-Councillor Members.

LIST OF THE MEMBERS OF THE TREE AUTHORITY WHO HELD OFFICE AS ON 31ST MARCH 1984.

SHRI. M. H. BEDI, (Chairman).

ANKLESWARIA, SHRI R. C.
KAMTEKAR†, SHRI S. K.
KHADYE, SHRI V. P.
KHAN, SHRI F. A.
GAMBHIR, SHRI S. A.
CHAVAN, SHRI M. G.
DALAL, SHRI B. C.
DESAI, SMT. ALKA A.
SOOFI, SHRI A. R. (Chairman, M. & G. C.).

MAHAJAN, DR. (SMT.) BHAKTAWER S.
MAHADIK, SHRI V. S.
MHATRE, SHRI P. A.
WAGLE, SMT. PUSHPALATA M.
VAIDYA†, SHRI S. D.
SANGHAVI, SHRI R. G.
SAMPAT†, SHRI S. V.
SAMANT, DR. (SMT.) VINITA D.

† Non-Councillors co-opted by the Tree Authority

MUNICIPAL COMMISSIONER'S OFFICE

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

Serial No.	Designation	Name of the Officer and Qualification	Period		Remarks
			From	To	
1	Municipal Commissioner	Shri D.M. Sukhthankar, M.Com., I.A.S.	1-4-83	31-3-84	Participated in the meeting of National Experts jointly sponsored by UNICEF/WHO in General from 25-7-1983 to 31-7-1983.
2	Additional Municipal Commissioner (A).	Shri D.K. Afzulpurkar, M.Sc., I.A.S.	30-3-84 (Afternoon)	31-3-84 (Forenoon)	
3	Director (Engineering Services and Projects).	Shri J.R. Patwardhan, B.E. (Civil), M.E. (P.H.), A.M.I.E.	1-4-83	31-3-84	
4	Dy. Municipal Commissioner (Personnel).	Shri V.D. Vaidya, B.A. (Spl.), M.Com.	1-4-83	31-3-84	
5	Dy. Municipal Commissioner (Improvements).	Shri P.P. Kamdar, B.A. (Spl.), B.Com., LL.B.	1-4-83	31-3-84	
6	Dy. Municipal Commissioner (General).	Shri K.S. Baroi, I.A.S.,	1-4-83	2-5-83	Appointed as D.M.C. (Z-II) from 3-5-1983.
7	Dy. Municipal Commissioner (Special Engineering).	Shri K.D. Mulekar, B.E. (Civil), M.E. (P.H.), F.E.I.	1-4-83	31-3-84	
8	Dy. Municipal Commissioner (Zone-I).	Shri S.V. Gambhir, A.M. I.E.	1-4-83	31-3-84	
9	Dy. Municipal Commissioner (Zone-II).	Shri M.P. Nerkar, B.E. (Civil), M.E. (P.H.)	1-4-83	2-5-83	Appointed as D.M.C. (Z-V) from 3-5-1983.
10	Dy. Municipal Commissioner (Zone-II).	Shri K.S. Baroi, I.A.S.	3-5-83	31-3-84	
11	Dy. Municipal Commissioner (Zone-IV).	Smt. Kunda S. Kadam, B.A., LL.B.	1-4-83	31-3-84	
12	Dy. Municipal Commissioner (Zone-V).	Shri M.P. Nerkar, B.E. (Civil), M.E. (P.H.)	3-5-83	31-3-84	

Other Heads of Department as on 31-3-1984

Serial No.	Designation	Name of the Officer and Qualification	Period		Remarks
			From	To	
1	Personal Secretary to the Municipal Commissioner (Sr. Ward Officer).	Shri S.B. Muthalia, B.E. (Civil).	1-4-83	5-1-84	Transferred as Sr. W. O. 'D' Ward from 6-1-1984.
		Shri V.K. Marathe, M.A.	6-1-84	14-3-84	Looking after the duties of W.O. P.S. to M.C. on payment of charge allowance from 6-1-1984 to 14-3-1984.
2	Personal Assistant to the Municipal Commissioner.	Shri V.K. Marathe, M.A.	1-4-83	14-3-84	
3	Personal Secretary to the Municipal Commissioner-II.	Shri V.K. Marathe, M.A.	15-3-84	31-3-84	Appointed as P.S. to M.C. II with effect from 15-3-1984.
4	Personal Secretary to the Municipal Commissioner-I	Shri D.D. Raje, Matric, L.S.G.D.	15-3-84	31-3-84	appointed as P.S. to M.C.-I from 15-3-1984.
5	Organisation and Methods, Officer-I.	Shri M.P. Patil, M.A., L.S.G.D., Pravin.	1-4-83	31-3-84	
6	Organisation and Methods, Officer-II.	Shri V.S. Morye, B.A. (Hons.).	1-4-83	31-3-84	
7	Committee Officer	Shri S.G. Chandorkar, Matric, L.S.G.D., L.G. S., Hindi Uchha Padvi.	1-4-83	31-3-84	
8	Municipal Medical Examiner (City) (Full time).	Dr. M.L. Joshi, M.B.B.S. M.D., D.C.H.	1-4-83	10-10-83	Dismissed from the Municipal Service with effect from 11-10-1983 (After Office Hours).
		Dr. (Smt.) D.B. Bhavani, M.B.B.S.	11-10-83	1-11-83 (B.O.H.)	Working as M.M.E. (City) from 10-10-1983 to 1-11-1983 (Before Office Hours) during leave period of Dr. Shanbhag.
		Dr. M.K. Shanbhag, M. B.B.S.	1-11-83	31-3-84	(On earned Leave from 1-11-8-83 to 27-11-1983).
		Dr. (Smt.) V.M. Butta, M.B.B.S.	1-11-83	27-11-83	Appointed as M.M.E. (Part time) (City) from 1-11-1983 to 27-11-1983.
9	Lady Municipal Medical Examiner (City) (Part-time)	Dr. (Smt.) D.B. Bhavani, M.B.B.S.	27-6-83	1-11-83	Appointed as L.M.M.E. (City) (Part-time) from 27-6-1983.
9A		Dr. (Smt.) N.S. Nair, M.B.B.S.	1-11-83	31-3-84	Appointed as L.M.M.E. (City) (Part-time) from 1-11-1983.
9B		Dr. (Smt.) V.M. Bhutta, M.B.B.S.	19-3-84	31-3-84	Appointed as L.M.M.E. (City) (Part-time) from 19-3-1984.
10	Executive Engineer (Vigilance).	Shri N.L. Lawande, B.E. (Civil), A.M.I.E.	1-3-83	31-3-84	
11	Ward Officer (Spl. Officer) For Backward Class Cell.	Shri N.N. Puppawar, (B.E. (Mech.)).	1-3-83	5-6-83	Transferred as W.O. (K.E.M.) with effect from 6-6-1983.
		Shri I.L. Darji, B.E. (Civil).	6-6-83	31-3-84	
12	Ward Officer (Mayor)	Shri N.B. Salunke, B.E. (Civil).	6-6-83	31-3-84	Appointed as W.O. (Mayor) with effect from 6-6-1983.
13	Administrative Officer (Personnel).	Shri P.B. Kanade, B.Sc., L.S.G.D.	1-4-83	31-3-84	Retired from Municipal Service from 1-4-1984.
14	Administrative Officer, D.M.C.(Z-I)'s Office.	Shri R.D. Vaidya, B.A. (Hons.) L.S.G.D.	1-4-83	31-3-84	
15	Administrative Officer, D.M.C. (Z-II)'s Office.	Shri M.D. Naik, B.Sc. (Hons.).	1-4-83	31-3-84	
16	Administrative Officer, D.M.C. (Z-IV)'s Office.	Shri U.D. Somane, B.A., L.S.G.D.	1-4-83	31-3-84	
17	Administrative Officer, D.M.C. (Z-V)'s Office.	Shri B.D. Patil, Matric, L.S.G.D.	1-4-83	30-4-83	Retired from Municipal Service from 1-5-1983.
17A		Shri W.S. Owl, B.A.	2-6-83	31-3-84	Appointed as A.O. to D.M.C. (Z-V) from 2-6-1983.
18	Administrative Officer, D.M.C. (Imp.)'s Office.	Shri V.S. Gokhale, B.A. (Special), LL.B., L.S.G.D.	1-3-83	31-3-84	
19	Administrative Officer, D.M.C.(P's) Office.	Shri D.D. Raje, Matric, L.S.G.D.	1-3-83	16-5-83	Transferred to C.S. Department from 17-5-1983.
19A		Shri N.V. Belsare, B.A., L.S.G.D.	26-3-84	31-3-84	Appointed as A.O. to D.M.C.(P) from 26-3-1984.
20	Administrative Officer, D.M.C. (General)'s Office.	Smt. S.M. Gorakshakar, B.A., L.S.G.D.	1-3-83	20-6-83	Directed to work as A.O. (Bifurcation of 'M' Ward) from 21-6-1983 to 5-2-1984 and transferred as A.O., Dean 'D's' Office from 6-2-1984.
		Shri S.A. Ranade, B.A., L.S.G.D.	6-2-84	31-3-84	Appointed as A.O. (Bifurcation of 'M' Ward) from 6-2-1984.

MUNICIPAL CHIEF AUDITOR

The post of Municipal Chief Auditor was held by Shri R. G. Godbole, B. Com., F.C.A., F.C.M.A., F.C.I.S., A.M.B.I.M. during the year from 1st April 1983 to 31st March 1984.

Other Heads of Department.

Serial No.	Designation	Name of the Officer and qualification	Period		Remarks
			From	To	
1	2	3	4	5	
1	City Engineer.	Shri S. M. Parulkar B. E. (Civil) A.M.I.E. (India)	1-4-83	31-2-84	Throughout the year.
2	Chief Accountant.	Shri R. S. Pednekar B.A. (Hons.) M.Com., L.S.G.D.	1-4-83	31-3-84	Throughout the year.
2-(A)	Joint Chief Accountant	Shri V. W. Joshi M.Com., L.G.S.	1-4-83 26-11-83	23-10-83 31-3-84	He was on leave from 24-10-83 to 25-11-1983.
		Shri S. B. Munj B.A.	24-10-83	25-11-83	During leave period of Joint Chief Accountant charge allowance arrangement was made
3	Hydraulic Engineer.	Shri A. F. Khan, B.Sc. B.E. (Civil) A.M.I.E.	1-4-83	31-3-84	Throughout the year. However, he was appointed as Hydraulic Engineer incharge in place of Shri K. D. Mulekar and as Hydraulic Engineer from 4-5-1983.
4	Executive Health Officer	Dr. M. N. Gurnani, M.B. B.S., D.P.H.	1-4-83	31-7-83	He was retired from 1-8-1983.
		Dr. S. S. Subnis, M.B.B.S., D.P.H.	1-8-83	31-3-84	
5	Dean, K. E. M. Hospital and G. S. M. College.	Dr. C. K. Deshpande, M. D.F.R.C. (Path).	1-4-83	9-1-84 and 31-3-84	He was on 81 days Earned Leave from 10-1-84 to 30-3-1984, Resumed on duty from 31-3-84.
		Dr. G. B. Parulkar M.S.F. R.C.S., F.A.M.S., E.A. Sc.	10-1-84	30-3-84	He was granted charge allowance for looking after the work in addition to his own work.
6	Dean, B. Y. L. Nair Charitable Hospital and T. N. Medical College.	Dr. J. V. Bhatt, M.D.	1-4-83	1-5-83	He was on leave from 2-5-84 to 30-7-83 and transferred to L. T. M. G. Hospital from 1-8-1983.
		Dr. B. R. Kalke, M.B. (Bom.) M.S.F.C.P.S.F.I. C.A. Ph. D. U.S.A.	1-8-83	31-3-84	He was looking after the work of Dean Dr. J. V. Bhatt from 30-7-1983.
7	Dean, L. T. M. G. Hospital & L. T. M. M. College.	Dr. N. A. Dabholkar, M.B. B.S., M.Sc. Med.	1-4-83	29-8-83	He was appointed as Dean incharge.
		Dr. J. V. Bhatt M.D.	30-8-83	31-3-84	He was appointed as Dean.
8	Dean, Nair Hospital, Dental College.	Dr. S. T. Talim M.D.S.	1-4-83	21-8-83	Resigned from Municipal Service from 22-8-1983.
		Dr. D. R. Shahani M.D.S.	22-8-83	31-3-84	He was appointed as Dean incharge from 22-8-1983 to 2-2-1984 and as a Dean from 3-2-1984.
9	Chief Fire Officer.	Shri V. B. Nikam, B.Sc., (Hons.), Sc.Com. crse (U.K.), A.M.N.F.S.C. (Hons.), B.D.S. (Hons.)	1-4-83	31-3-84	Throughout the year.
10	Medical Superintendent (G. T. B. Hospital).	Dr. A. P. Rao, F.C.C.P., M.D., TDD., (U.S.A.), M.I.P.H.A. (Cal.)	1-4-83	31-3-84	Throughout the year.
11	Assessor and Collector.	Shri P. B. Mhaskar, B.A. (Hons.), L.S.G.D.	1-4-83	31-3-84	Throughout the year.
12	Education Officer.	Smt. K. N. Kamat M.A.B. T.M.Ed. Rashtrabhasha Pravin Diploma in Education and Administration by UNESCO.	1-4-83	31-3-84	Throughout the year.
13	Law Officer.	Smt. M. V. Shetty, B.A.LL. B.	1-4-83 6-7-83	8-5-83 31-3-84	She was on earned leave for 58 days from 9-5-83 to 5-7-83 Resumed duty on 6-7-1983.
	Deputy Law Officer.	Shri P. B. Karhadkar, B.A. LL.B.	9-5-83	5-7-83	He was looking after the work in her absent.

Serial No.	Designation	Name of the Officer and qualification.	Period		Remarks
			From	To	
1	2	3	4	5	
14	Chief Engineer (Water supply project).	Shri D. S. Deshpande B. E. (Civil) Hons. Pravin, Member of the Indian Society of Soil Mechanic and Foundation Engineering.	1-4-83	31-3-84	Throughout the year.
14(A)	Chief Engineer (Sewerage Project).	Shri V. G. Sawant B.E. (Civil).	1-4-83	31-3-84	Throughout the year.
14(B)	Chief Engineer (Common Services).	Shri B. R. Gole B.E. (Civil) (Hons.) F.I.E. (India).	1-4-83	30-4-83	He was retired on Account of Superannuation. Shri M. H. Batiwala Dy. Ch. (C. S.) was looking after the work of Ch. E. (C. S.) from 1-5-83 to 3-5-83, and promotion as Ch. E. (C.S.) from 4-5-1983.
		Shri M. H. Batiwala B.E. (Civil).	4-5-83	31-3-84	
15	Controller of Stores.	Shri J. D. Pradhan B.E. (Civil) M.I.E.	1-4-83	31-3-84	Throughout the year.
16	Superintendent of Market and Slaughter Houses.	Vacant.			Throughout the year.
16-A	General Manager Deonar Abattoir.	Dr. S. N. Brahme (Vet.) B.Sc.	1-4-83	6-4-83	He was on leave on medical ground from 7-4-83 to 8-10-83. Resumed duty on 9-10-83.
			9-10-83 15-2-84	15-1-84 31-3-84	He was again on leave on medical grounds from 16-1-84 to 14-2-84 Resumed duty on 15-2-84.
		Dr. A. A. Padalkar (Vet.) B.Sc.	7-4-83 16-1-84	8-10-83 14-2-84	He looked after the duties of General Manager during the leave period as above on charge allowance.
16-B	Ward Officer (Market).	Shri M. A. Shaikh LL.B. M.A.,	1-4-83	14-7-83	He was on earned leave prior to retirement from 15-7-83 to 31-8-83 and Voluntarily retired from 1-9-1983.
	Dy. S. M. (W. S.)	Shri M. D. Collaco, Matric S.I. & L.S.G.D.	15-7-83	31-12-83	He looked after the work of W.O. (Market) in addition to his own duty.
		Shri Dr. L. A. Pareira B.Sc. (Vet.).	1-1-84	4-1-84	He looked after work of W. O. (Market) in addition to his own duties on charge allowance after Shri Collaco was retired due to superannuation from 1-1-1984.
	W. O. (Market).	Shri M. D. Sharma (Civil) B.E.	5-1-84	31-3-84	He was appointed as a Ward Officer Market from 5-1-84.
17	Administrative Officer (Enquiries).	Shri K. R. Dixit S. B.A.L.G.	1-4-83	31-3-84	Throughout the year.
18	Security officer	Shri V. T. Davare, B.A. (Hons.) L.G.S.	1-4-83	31-3-83	Throughout the year.
19	Ward Officer (Estate).	Shri N. R. Janorkar B.A. (Hons.).	1-4-83	31-3-84	He was appointed as Ward Officer incharge.
20	Labour Officer.	Shri N. G. Kalme (S.W.) M.A.	1-4-83	31-3-84	He was appointed as Labour Officer incharge from 1-4-83 and appointed as Labour Officer from 25-8-1983.
21	Public Relations Officer and Editor Bombay Civic Journal.	Shri J. B. Mahajan LL.B. M.A.	1-4-83	31-3-84	Throughout the year.
22	Dy. Accessor and Collector (Octroi).	Shri Yeshwant Shankar Dalvi B.A. (Special) L.S.G.D.	1-4-83	31-3-84	Throughout the year.
23	Superintendent of Licences	Shri D. A. Padgaonkar B.A., L.S.G.D.	1-4-83	30-11-83	He was retired from 1-12-83 on account of superannuation.
		Shri I. A. Chougale, S.S.C., L.S.G.D.	1-12-83	31-3-84	
24	Superintendent of Gardens	Shri J. C. Garkhel (Hons.) Agri. B.Sc.	1-4-83	31-3-84	Throughout the year.

Serial No.	Designation	Name of the Officer and qualification.	Period		Remarks
			From	To	
1	2	3	4	5	
25	Manager Municipal Printing Press.	Shri M. M. Kamat, Printing Technology, Diploma in Business Management.	1-4-83	31-3-84	Throughout the year.
26	Asstt. Medical Officer, (E. N. T. Hospital).	Dr. Smt. S. C. Basrur M. B.B.S., D.G.O.	1-4-83	31-3-84	Throughout the year.
27	Curator, Dr. B. D. Lad, Musium and Chief Librarian.	Shri V. N. Barve, B.A. (Hons.), L.S.G.D. (Pravin) Hindi.	1-4-83	31-3-84	Throughout the year. Shri V. N. Barve, Curator, Dr. B.D.L. Musium looked after the duties of Chief Librarian in addition to his now.
28	Manager, Mahatma Gandhi Memorial Olympic Swimming Pool.	Shri R. S. Rane, S.S.C., L.S.G.D., L.G.S.	1-4-83	31-3-84	Throughout the year.
29	Manager, Raja Baldeo-das Birla Kreed Kendra.	Shri J. S. Satam, B.A. (Hons.)	1-4-83	31-1-84	He was Expired on 31-1-1984.
		Shri P. K. Hirekar B.A.	1-2-84	31-3-84	

SUBURBS AND EXTENDED SUBURBS

Serial No.	Designation	Name of the Officer and Qualifications	Period		Remarks
			From	To	
1	2	3	4	5	
1	Deputy Health Officer (W.S.)	Dr. S. S. Subnis, M.B.B.S., D.P.H.	1-4-83	31-7-83	He was appointed as Executive Health Officer from 1-8-83t D.E.H.O. (W) post vacan. from 1-8-1983.
	D.E.H.O. (E.S.)	Dr. G. M. Advani M.B.B. S., D.P.H.	1-4-83	31-3-84	Throughout the year.
	D.E.H.O. (City)	Dr. A. A. Shaikh, M.B.B. S., D.P.H.	1-4-83	31-3-84	Throughout the year.
2	Dy. Accountant (Subs.) Suburbs	Shri K. G. Naravane, M.A. LL.B.	1-4-83	31-1-84	He was retired on account of supperannuation from 1-2-84.
		Shri S. B. Munj B.A.	1-2-84	31-3-84	
3	Dy. Assessor and Collector (Eastern	Shri K. P. Juvekar Matric L.S.G.D.	1-4-83	31-8-83	Retired from 1-9-1983.
		Shri D. P. Ranade, B.A. LL.B., L.S.G.D.	1-9-83	30-9-83	Transferred from 1-10-1983 to (W.S.).
		Shri D. R. Joshi B.A., L. S.G.D.	1-10-83	10-10-83	Transferred to vig. 11-10-83 and from 11-10-83 to 31-10-83 post of Dy. A & C (E. S.) was vacant.
		Shri M. K. Patki M.A. LL.B.	1-11-83	31-3-84	
4	Dy. Assessor and Collector (Western Suburbs).	Shri Y. K. Kale Matric.	1-4-83	31-8-83	Retired from 1-9-1983.
		Shri D. P. Rande, B.A. (Hons.), LL.B., L.S.G.D.	1-9-83	31-3-84	
5	Dy. Superintendent of Market (Eastern Suburbs	Shri M. D. Collaco Matric, SI, L.S.G.D.	1-4-83	30-4-83	He was transferred from 1-5-83 to Western Suburbs.
		Shri C. S. Bendre, Matric, S.I.	1-6-83	31-3-84	
6	Dy. Superintendent of Market (Western Suburbs).	Shri P. A. Tawde Inter Arts, S.I., L.S.G.D.	1-4-83	30-4-83	He was retired due to superannuation from 1-5-1983.
		Shri M. D. Collaco Matric, S.I., L.S.G.D.	1-5-83	31-12-83	
		Shri A. I. Kazi, Matric S.I.	1-1-84	29-2-84	He was retired from due to Superannuation from 1-3-84.
		Shri B. V. Neverkar B.A. (Special,) L.S.G.D., L.G. S., S.I.	1-3-84	31-3-84	

Ward Officers upto 31-3-1984

Serial No.	Name	Designation	Remarks
1	Dr. D.A. Pinto	Sr. Ward Officer	
2	Shri H.L. Gangwani	Do.	
3	Shri K.M. Joglekar	Do.	
4	Shri S.B. Muthalia	Do.	As Sr.w.o' 'D' ward with from 6-1-1984 Retired from Municipal Service on account of superannuation from 1-1-1984.
5	Shri V.G. Godambe	Do.	
6	Shri G.R. Khairnar	Do.	
7	Shri Y.A. Nadkar	Do.	
8	Shri N.G. Kabe,	Do.	
9	Shri V.Balchandran	Do.	
10	Shri S.R. Dange	Do.	
11	Shri M.D. Sharma	Ward Officer	
12	Shri S.R. Upadhyay	Do.	
13	Shri R.B. Veturkar	Do.	
14	Shri V.B. Kadam	Do.	
15	Shri A.N. Dube	Do.	
16	Shri A.Y. Kulkarni	Do.	
17	Shri C.K. Ghone	Do.	
18	Shri V.S. Jadhav	Do.	
19	Shri G.B. Prasad	Do.	
20	Shri M.C. Gandhi	Do.	
21	Shri D.D. Jadhav	Do.	
22	Shri A.A. Raisinghani	Do.	.. Retired from Municipal Service from 1-4-1984.
23	Shri R.D. Koli	Do.	.. Retired from Municipal Service from 1-6-1983.
24	Shri I.L. Darji	Do.	
25	Shri N.B. Salunke	Do. (Mayor)	
26	Shri M.A. Shaikh	Do.	.. Retired from Municipal Service from 1-9-1983.
27	Shri S.P. Ghaste	Do.	
28	Shri S.T. Todsom	Do.	
29	Shri N.N. Puppawar	Do.	

Ward Officers

With a view to rendering efficient services to the citizens numbering over 82 lakhs spread over an area of about 437 sq. kms. the administration of Municipal Departments has been decentralised by setting up Ward Offices which now number 21. Each Ward Office is in charge of a Ward Officer who has been delegated with powers. The citizens can approach him in the respective Ward Office for redressal of their grievances in the matter of Civic Amenities.

The functions carried out at Ward Level are as under :—

- (a) Maintenance of Municipal Properties Roads and Drains Inspection of Private Building and factories as also ensuing adequate Water Supply.
- (b) Collection of taxes and rent of Municipal Estates.
- (c) Regulation of Licensable Commodities and enforcement of Shops and Establishments Act.
- (d) Registration of Births and Deaths, Vaccination, Maintenance of Dispensaries and Maternity Homes and Other Public Health Services.
- (e) Pest Control.
- (f) Public Sanitation and disposal of refuse.
- (g) Primary Education.
- (h) Maintaining Sanitation and Improvement of Slum Colonies, and
- (i) Preservation of Trees etc.

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 grievances. It remained open on all the days of the year including Sundays and Holidays

Working of this Central Control Room was reorganised in consultation with Director, C. T. I. & R. C. and reduction of labour staff (five labourers) and one driver) was effected.

The total number of complaints registered and followed up during the year under report was 3465 as detailed in the accompanying statement as against 6241 in the preceding year.

This 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 and Area Development Board was also brought about on such occasions.

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

Ward	Drain- age.	Build- ings.	Water Works.	Road	Refuse	Rat & Mosq- uito.	Licence	Stray dogs.	Fire.	Misco- llaneous (Caro- asses, Monkeys, etc.	Flood- ing.	Total
A	185	54	3	2	16	..	..	2	13	26	12	313
B	313	78	11	9	34	4	6	..	12	15	5	487
C	115	126	5	6	11	4	3	1	8	5	8	292
D	301	108	6	15	11	4	2	4	6	29	19	505
E	259	92	8	4	13	..	2	..	19	10	19	426
F/South	148	39	4	..	4	..	..	3	18	14	11	241
F/North	70	12	2	9	3	..	..	..	2	15	13	126
G/South	280	17	..	5	3	2	..	..	19	12	12	350
G/North	206	40	2	3	2	..	..	2	9	19	1	284
H/East	3	5	..	..	..	3	2	1	2	7	..	23
H/West	17	14	6	2	3	1	..	3	6	10	5	67
K/East	7	11	1	1	..	1	..	..	15	12	6	54
K/West	6	9	1	5	1	2	..	2	10	12	4	52
L	11	19	2	..	..	1	..	1	18	8	2	62
M	14	11	3	..	1	..	..	..	7	8	..	44
N	8	11	..	1	1	1	..	..	8	7	3	40
P/South	1	5	..	1	1	..	..	..	3	1	1	13
P/North	1	8	..	..	..	..	..	..	5	6	..	20
R	3	10	1	1	..	..	..	..	5	7	3	30
S	4	8	1	1	..	1	..	..	3	3	..	21
T	2	2	..	..	..	..	2	..	4	4	1	15
Total	1,954	679	56	65	104	24	17	19	192	230	125	3,465

P. N. SAMANT,
Complaints Officer,
Central Control Room,

Organisation and Methods Division

IN M.C.'S OFFICE

Organisation and Methods Division in Municipal Commissioner's Office was set up in 1957 with a view to follow-up implementation of suggestions made by Industrial Engineers.

The activities of the Organisation and Methods Division are enumerated as under :—

Organisation and Methods Officer is working as a member of Panel for Selection of candidates for recruitment in Clerical Sub-Clerical Peons and other Labour etc. Categories in Municipal Services.

Scrutiny of Establishment proposals of various departments in the Corporation particularly in case of creation, continuation and filling in the posts and also bringing these posts on the Establishment Schedule and scrutiny of proposals of furnitures, equipments as demanded by the various departments, which also includes the Planning and Organisation of various Institutions in the Corporation.

Changes and improvements in Schedule Forms and Registers for departmental use and printing thereof, in a standard form on identical basis and compilation of important circulars issued by M.C.'s Office from time to time and finally to prepare in a Book-volume and also compilation of Booklets of Marathi version of drafts, notes, qualifications, technical terms, names of departments and offices, etc. This Division does the work of translating and printing forms, registers, etc. in Marathi.

All necessary steps to accelerate the use of Marathi language in the day to day administration being the official language of the Corporation are taken by this division.

Work of checking of musters and work-sheet register of the Staff working in Wards/Departments, is carried out by this Division.

The suggestions received from the Staff for improvements in the Municipal Administration are also examined and processed by this Division.

The work of recruitment to the posts of Security Guards is also entrusted to this Division.

This Division also deals with the work relating to the Central Personnel Agency.

V.S. MORYE,
Organization and Methods Officer (II)
(Municipal Commissioner's Office).

**PUBLIC RELATIONS DEPARTMENT
AND BOMBAY CIVIC JOURNAL.**

Shri J. B. Mahajan, M.A., L.L.B., was Public Relations Officer and Editor, Bombay Civic Journal, during the year 1983-84.

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.

One 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 1984 and the Civic Guide 1984 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. In addition to this, P. R. O.'s department has extended active co-operation in bringing out multi-colour Municipal Year Book 1983-84 in an attractive form. Special publicity material, such as posters, folders, stickers, cinema slides etc., on various civic activities were also prepared and distributed to the Institutions and individuals all over Greater Bombay.

PROTOCOL, LIAISON AND EXHIBITION

One of the major functions of this department is the arrangements and management of V. I. P. visits. This includes receiving V. I. P.s on their arrival, by representative of the Corporation and thereafter accompanying them to various Civic Installations according to the programme. The V. I. P.s comprise of Mayors, Dy. Mayors, Chairmen and top ranking officials of different Corporations in India as well as from abroad, Ministers from different States, Foreign Dignitaries etc. During the year under report as many as 360 dignitaries from India as well as from foreign countries have visited this Corporation. Amongst them to mention a few were the Lord Provost of Glasgow, Dr. Michael Kelly and Lady Provost, Mr. V. I. Likaku, Mayor of Blantyre, Malawi, Shri Digvijay Singh, Union Dy. Minister for Environment, Mr. Vladiuni Premislov, Mayor of Moscow and several Mayors, Dy. Mayors, Commissioners from all over India, viz., from Delhi, Bhopal, Patna, Ahmedabad, Bangalore, Pune, Aurangabad, Indore etc. This department has also participated and organised the exhibitions at Mount Mary Fair, Bandra, on World Health Day, at Birla Kreedha Kendra, Moscow Metro Exhibition at Head Office etc. This department presented a Float on 26-1-1984 vividly depicting the activities of the Conservancy Department of the Corporation with a special emphasis on the Co-operation of the people in keeping the Bombay City Clean and Healthy. The float was adjudged as the best float by the Committee appointed by the General Administration Department of Govt. of Maharashtra and awarded a permanent trophy and a rotating shield. The Civic Health Museum situated at Birla Kreedha Kendra, Chhatrapati organised by this department is being visited by a large number of citizens of Bombay. It is popular with the Educational Institutions also.

PRESS RELEASES

A Press Room equipped with lockers, Telephone, Typewriter etc., has been provided for the use of press reporters. During the year 1983-84 conferences and Press visits to Municipal institutions and installations were arranged for dissemination of information relating to civic services; activities programmes etc. Press hand-cuts giving information about various civic matters and rejoinders in reply to the criticism suggestions etc. appearing in newspapers, were also issued promptly.

SPECIAL ACTIVITIES

The Clean and Green Bombay Campaign was carried out extensively and sustained educative propagnanda was undertaken through various media of publicity. Besides, the annual competition for the Mayor's Shield was also organised by this department. Similar arrangements for giving due publicity were also made to the receptions given by the Mayor.

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.

The work of collecting donations for the National Flag Day was carried out in the usual manner.

Serial No.	Designation.	Name of the Officer.	Qualification	Period		Remarks.
				From	To	
1	2	3	4	5	6	
1	Public Relations Officer.	Shri J. B. Mahajan.	M.A. L.L.B.	1-4-82	31-3-83	The Head of the Department was on leave from 4-4-83 to 3-6-1983.
2	Dy. Public Relations Officer.	Shri R. N. Sansgiri	B.A.(Special), Diploma in Audio-Visual communications.	4-4-83	3-5-83	He was in-charge of Public Relations Deptt., during the leave period of P. R. O. from 4-4-1983 to 3-5-1983.

Public Relations Officer.

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 regard 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 information regarding total number of Schedule Tribe employees working in the Bombay Municipal Corporation as desired by the Legislature Committee on the welfare for Schedule Tribe (1983-84) was collected and submitted to the Committee. The details of (1) the number of Scheduled Tribes in the service of the Corporation (2) The total number of S.T. employees during the years 1980 to 1983 (3) number of S.T. candidates recruited during the years 1979-80, 1980-81 and 1981-82 and (4) number of S.T. employees promoted during the years 1980, 1981 and 1982 are at appendices 1 to 4.

During the year under report, inspection of E.E. Mech (S) was also taken in hand and is in progress.

During the inspection, proper guidance regarding 100 point roster and 50 point roster for the purpose of recruitment and promotion respectively is given to the departments. Similarly, the departments are advised about sources from which suitable Backward Class candidates may be obtained. Periodical inspections are taken to see that suggestions, instructions issued at the time of inspection are followed and backlog is wiped out while filling in future vacancies by the departments.

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. Similarly, six-monthly reports regarding appointments of Backward Class persons by recruitment and promotion in the corporation are also submitted to the Corporation.

During the year under report, 249 proposals involving the question of reservation were referred to the Cell for advice, scrutiny etc.

41 complaints and grievances of Backward Class employees about the reversion, 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 Clerks, Teachers etc.

S. T. TODSAM,
WARD OFFICER,
(Special Officer for Backward Class).

APPENDIX 1

Information regarding the No. of posts held by S.T. in the total No. of posts on Establishment

Description of post	Technical					Non-Technical				
	Total No. of posts on establishment as on 31-12-1982	S.T. Posts required as per prescribed quota i.e. 7%	No. of posts actually held by S.T.	Diff. if any	Total	Total No. of posts on establishment as on 31-12-1982	S.T. Posts required as per prescribed quota i.e. 7%	No. of posts actually held by S.T.	Diff. if any	Total
1	2	3	4	5	6	7	8	9	10	11
(1) Statutory Officer ..	8	1	..	1	1	13	1	..	1	1
2) Other Officers ..	1,315	92	14	78	92	956	67	4	63	67
3) Supervisory staff such as Head Clerk Superintendent etc. ..	2,785	195	25	170	195	4,867	341	70	271	341
(4) Non-Supervisory staff such as Clerk, Asstt. Draftsman etc. ..	4,561	319	146	173	319	27,596	1,932	299	1,633	1,932
Class IV staff										
(a) Conservancy ..	..	..	..	..	..	14,514	..	980	..	..
(b) Other categories Class IV staff such as Peon, Hamal, Labourers etc. ..	4,929	345	135	210	345	39,580	2,738	1,123	1,615	2,738

APPENDIX 2

Total No. of Scheduled Tribe Employees

Class	1980	1981	1982	1983
I { Officers in the grade not below that of Office Superintendent	13	14	16	15
III Clerical and supervisory level below Officer's level such as Head Clerks, Clerks and allied staff, Junior Engineers etc. ..	205	446	476	530
IV (a) Conservancy ..	980	980	980	980
(b) Other categories Class IV staff such as Peons, Labourers, Hamals etc. ..	1,233	1,274	1,374	1,382

APPENDIX 3

No. of S.T. Candidates Recruited

Class	1979-80		1980-81		1981-82	
	Total No. of candidates recruited.	No. of S.T. candidates recruited.	Total No. of candidates recruited.	No. of S.T. candidates recruited.	Total No. of candidates recruited.	No. of S.T. candidates recruited.
I { Officers in the grade not below that of Office Superintendent ..	129	2	124	..	107	2
III Clerical and supervisory level below officer's level such as Head Clerks, Clerks and allied staff Jr. Engineers etc. ..	2,333	98	2,084	28	1,858	39
IV (a) Conservancy ..	..	..	..	..	..	..
(b) Other categories class IV staff such as Peons, Labourers, Hamals etc. ..	1,366	79	1,303	29	1,583	70

APPENDIX 4

No. of S.T. Employees Promoted

Class	No. of S.T. Employees Promoted		
	1980	1981	1982
I { Officers in the grade not below that of Office Superintendent	1	1
III Clerical and Supervisory level below officer's level such as Head Clerks, Clerical and allied staff, Jr. Engineers etc.	23	18
IV (a) Conservancy
(b) Other categories Class IV staff such as Hamals etc.	67	5

Vigilance Branch of Engineering Department

SPECIAL TECHNICAL UNIT :—

The Special technical Unit under the Executive Engineer (Vigilance) is a branch of the Municipal Commissioner's Establishment. At present, the E. E. (V.) is assisted by three A. E.s, three S.E.s and other administrative staff.

This unit gives surprise visits to Municipal Works of all departments which are in progress determine whether the works are being executed as per the approved design and specifications. One A. E. and one Sub-Engineer are engaged in checking the works carried out through P. W.C.'s in all wards.

In addition, this unit keeps a watch over all technical matters. Besides the unit examines complaints of technical nature forwarded by the M. C. or received from the Councillors and public.

The unit functions as a co-ordinating agency among the different units of the Engineering Sections and assists the Administration in matters requiring policy revision and implementation thereof. It also keeps a watch on the results arrived at the materials testing laboratory where the building materials, and the cubes of cement concrete are tested and also on the results of checking of samples of hot mix asphalt macadam and asphalt concrete used on Municipal works at the asphalt testing laboratory. Whenever considered necessary, this unit suggests hammer tests and load tests on construction works.

Some of the details of the work done during the year 1983-84 :—

(1) Number of visits paid to Municipal Works :—

(a) Building Construction Works	...	...	...	116
(b) Road Construction Works	...	...	...	84
(c) Water supply and S. D. Works	...	...	...	93
(d) Slum Improvement Works	...	...	...	33
(e) P. W. C. Works	...	...	...	353
(2) Number of final bills checked	...	...	...	59
(3) Number of Miscellaneous visits	...	...	...	54
(4) Number of cases investigated and examined, referred by the M. C., D. M. C. and C. E.	...	...	...	58
(5) Amount of recovery from the Civic Contractors by way of detection of excess payment, penalties imposed on sub-standard works, etc. pointed out at the time of checking the works in progress and/or while checking the final bills.				Rs. 7,45,721.51

G. A. REDKAR.

Executive Engineer (Vigilance).

LABOUR DEPARTMENT

High Lights :—

(1) Expenditure —		
(i) Establishment	... Rs.	11,80,322.00
(ii) Other than Establishment	... Rs.	2,12,248.00
(2) Recognised Unions	..	39
(4) Welfare Centres	—	51
(5) Grievances attended	—	19,291
(6) Average daily attendance of Welfare Centre	—	
(i) Adults	—	4,763
(ii) Children	—	4,777

Trade Unions :—

The Trade Union activities among Labour and other staff members were mostly confined to 39 unions recognised by the Municipal Commissioner as per rules and covered about 52,000 members.

Labour Relations :—

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

(i) **Grievance procedure** :— Grievance Committee has discussed the problems of all the departments / wards as well as individual grievances. The Committee consists of L.O. as the Chairman, O. & M.O. II (M.C.) and concerned Head of the Department/Ward or his representative. Whenever the meetings of the Grievance Committee are held the representative of the concerned union and employees remain present. Such meetings are held periodically in L.O.'s chamber. Efforts are made by the Committee to settle the grievances existing at the shop/unit level not involving policy matters.

(ii) **Individual Grievances** :— The grievances from the individual employees and the unions are received directly to this department and the representatives of this office are attending the same.

These grievances are of various nature as stated under :—

- (1) Recruitment and retrenchment.
- (2) Promotions, Transfers, Confirmation and annual increments.
- (3) Fines, Reversion, Suspensions, Removals, dismissals and other punishments.
- (4) Delay in settlement of provident fund and other Retirement benefits.
- (5) Delay in payment of wages (wages of leave, O.T. etc.) and Allowance.
- (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 12 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 12 disputes, 5 disputes were referred to the Asstt. Commissioner of Labour/Govt. Labour Officer. The remaining 7 disputes were referred to the Labour/Industrial Courts. As regards the disputes referred to the Assistant-Commissioner of Labour Government Labour Officer three have been settled and two are still pending. As regards the dispute referred to the Labour/Industrial Courts two have been decided and the remaining 5 are still pending (See Appendix-A).

Scholarships to the children of the Municipal employees :— During the year 1983-84, 771 applications for scholarship were received in this department, out of them 673 applications for scholarship were sanctioned. Seven scholarships were granted to the applicants for Engineering and Medical Degrees, 204 for College Courses including Diploma Course, 243, for Higher secondary Education and 219 for Secondary Education. The total amount paid by way of scholarship to the Municipal employees was Rs. 1,04,685.00.

Medical Assistance Scheme to the Municipal Employees :— Under the above scheme 22 deserving employees suffering from T.B. and other diseases were given Medical Assistance amounting to Rs. 1,500.00 only. Under the New Scheme for grant of Medical Assistance during Major illness, 27 deserving employees were given the Medical Assistance amounting to Rs. 64,417.40 only for Municipal employees and the direct dependants during the year under report.

Under the Scheme of granting Immediate Cash Assistance of Rs. 500.00 each, for the direct dependant of the Municipal Employees who die while in service, 860 direct dependants of the deceased Municipal Employees were given assistance and the total amount disbursed was Rs. 4,30,000 only during the year under report.

Inter Ward/Inter Departmental Dramatic Competitions :— 31 Departments participated in the Inter Ward/Inter Departmental Dramatic Competitions held at the Birla Kreed Kendra.

First three dramas were awarded with rotating trophies. Prizes of Rs. 251 each were awarded to the Best Actor, the Best Actress, the Best Director and for the Best Lighting arrangement and 48 consolation prizes of Rs. 51 each were awarded for acting. Ten consolation prizes of Rs. 51 each were also awarded for direction, setting and lighting.

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

- | | | |
|----------------------------|-------------------------|-------------------|
| (1) First Prize for Drama | .. Health Department | .. 'Akash Pakshi' |
| (2) Second Prize for Drama | .. G/South Ward | .. 'Tanmajori' |
| (3) Third Prize for Drama | .. Dy. A. & C. (Octroi) | 'Pashan Palavee' |
- Individual Best Prize Winners :—
- | | | |
|------------------------|--------------------------|---|
| (1) Best Director | .. Dr. Anil Bandivadekar | .. Health Department 'Akash Pakshi' |
| (2) Best Art Director | .. Shri Deepak Padate | .. Municipal Power Laundry 'Mojuni Maraya Pajara' |
| (3) Best Light Effects | .. Ashok Pawar | .. F/South Ward, 'Anni Mhanun, Kunihi' |
| (4) Best Actor | .. Dr. Sham Borkar | .. Health Department 'Akash Pakshi' |
| (5) Best Actress | .. Pratibha Amrute | .. Dy. A. & C. (Octroi) 'Pashan Palavee' |

Recruitment of Telephone Operators Section :— The work of recruitment, promotion, confirmation and transfer etc., of Telephone Operators is entrusted to this department from 1st October 1980.

Welfare Branch :— 51 Welfare Centres are run by this department, and the following activities conducted on an average daily attendance of the Adult Male/Female participants and children at the different Welfare Centres is 4,763 and 4,777 respectively. The regular activities conducted at the different Welfare Centres are as under :—

For Women & Girls :— Sewing, Embroidery, Knitting, Cooking, Handicraft, Indoor and outdoor games, Music, Dance etc.

For Boys & Adults :— Indoor and outdoor games, Gymnasium, Dramatics, Debating etc.

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

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

(ii) Inter Centre Dramatic Competitions :— Inter Centre Dramatic Competitions were held at the Balgandharva Rang Mandir, Bandra, in the month of February 1984 and the function of Prize distribution of the Competition was held at the same place when the Trophies were awarded to the first three dramas one consolation prize was also awarded to the Fourth drama prizes were given to the Best Actor, Actress, Supporting Actor, Actress and Director and 17 consolation prizes were also given to encourage the artists. Dr. Shreeram Lagoo Film Actor distributed the prizes.

(iii) Film shows :— Documentary and full length films of the Educational and Social importance were shown daily at different Welfare Centres during the year.

(iv) Daily Attendance :— The average daily attendance of Adult and Children at the different Welfare Centres during the year was 4763 adults and 4777 children.

(v) Excursion for Nursing Staff :— The excursion for Nursing Staff was organised in the month of March 1984 to Udaipur, Chittorgarh, Jaipur, Ajmir and Mount Aboo. 43 Nurses of different Hospitals and Maternity Homes participated in the excursion.

(vi) Balwadi :— Six Balwadies are conducted at the Bapty Road, Palton Road Colaba and Chembur, and 1 Gujrathi and 1 Marathi at Gautam Nagar Municipal Conservancy Chawls at Dadar. Nearly 260 children of the Municipal Employees took advantage of the Balwadies.

(vii) Different Functions :— Combined Ganpati Festival was organised at K.E.M. Hospital Welfare Centre. Cultural items were presented during the festival and the prizes were distributed to the participants for taking part in the programmes. Haldi Kumkum functions were organised at 23 centres and Buddha Jayanti functions were organised at 10 Welfare Centres. The National Days such as 26th January and 15th August functions were also celebrated at all Welfare Centres.

(viii) Television sets :— 37 Television sets had been provided to 37 Welfare Centres under the Contributory Community T. V. Scheme through the Director of Rural Broadcasting, Government of Maharashtra for the benefits of the participants of the centres. Two Television sets had also been provided to 2 Pumping Stations at Mohane and Pogaon.

N. G. KALME,
Labour Officer.

APPENDIX 'A'

Disputes referred to the Government Labour Officers during the year 1983-84.

Serial No.	Name of the Union	Department concerned.	Categories attached.	Referred to	Nature of Disputes.
1	Bombay Municipal Executive Staff Union.	E.O.	Inspector Night School.	Assistant Commissioner of Labour.	Appointment as a Beat Officer.
2	Municipal Karmachari Sangh, Mumbai.	H.E.	Meter Reader	Do.	To continue as Meter Inspector only.
3	Individual	W.O. 'C' Ward C.E.'s Deptt.	Clerk	Do.	Appointment for the post of Head Clerk.
4	Individual	E.E.T. (Sub.	Labourer	Do.	Reinstatement with back-wages.
5	Individual	G.M.D.A.	Slaughterman	Do.	Reinstatement in Municipal Services.
6	Bombay Municipal Sub-ordinate Staff Union.	All Department	Head Clerks, Clerks and Sub-clerical Staff.	Industrial Tribunal	The case of Amendment of Municipal Service Conduct and Disciplinary Rule No. 23.
7	Municipal Mazdoor Union	E.E.T. (City)	Cleaners	Industrial Tribunal	The provision of Cleaners on refuse vehicles.
8	Municipal Karmachari Sangh, Mumbai.	F.W. Unit	Drivers	Do.	Continue of Service.
9	Individual (Shri Panpatil)	W.O. (Easte)	Rent Collector	Do.	Approval under Sec. 33 2(b) of the I.D. Act.
10	Individual (Shri S. S. Gawde)	S.O.	Security Guard	Labour Court	Approval under Sec. 33 2(d) of the I.D. Act.
11	Individual (Shri B.T. Auti)	S.O.	Do.	Do.	Do.
12	Individual	Dy. C.E. (P & D)	Stenographer	Do.	Grant of increment for passing H.C.'s Exam.

LEGAL DEPARTMENT

1983-84.

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

The details are given below :—

	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 Appeals.	54	92	145	12	134
II—High Court:					
(1) First Appeal :	273	2032	2305	2016	289
(2) Appeals from Order.	326	145	472	171	301
(3) Letters Patent Appeals.	12	3	15	6	9
(4) Civil Applications.	383	170	553	189	364
(5) Civil Revision Applications.	12	8	20	10	10
(6) Writ Petition. (Appellate Side)	70	46	116	19	97
(7) Long Cause Suit.	130	21	151	51	100
(8) Arbitration Suits.	11	4	15	9	6
(9) Insolvency matters and company petitions	107	3	110	8	102
(10) Appeals before Division Bench. (O. S.)	113	52	165	37	128
(11) Writ Petitions. (O. S.)	1316	322	1638	212	1426
(12) Chamber Summons in original side including Division Bench.	..	5	5	3	2
(13) Notices of Motion.	38	42	80	27	53
(14) Land Acquisition References.	59	5	64	29	35
(15) Allahabad High Court Insolvency matters.	..	..	..	..	..
(16) Jodhpur High Court Insolvency matters.	..	..	..	..	..
III.—City Civil Court :					
(1) Suits filed by the Corporation	41	5	46	..	46
(2) Suits filed against the Corporation.	3123	1280	4403	654	3749
(3) Miscellaneous Appeals.	149	62	211	20	191
IV.—Small Causes Court :					
(1) Suits filed by the Corporation.	30	..	30	5	25
(2) Suits filed against the Corporation.	157	24	181	15	166
(3) Garnishee notices.	2	2	4	1	3
(4) Notices in Suits.	20	34	54	23	31
(5) Full Court Applications (Appeal)	2	4	6	5	1
(6) Licence Appeals.	131	19	150	44	106
(7) Set-back Appeals.	11	..	11	1	10
(8) Appeals against rateable value.	2669	338	3007	117	2890
(9) References under Section 503 of the B. M. C. Act.	167	27	194	17	177
V.—Labour and Industrial TRIBUNAL Court :					
(1) Labour Court Applications, Workmen's compensation and Authority under Payment of wages Act.	19	5	24	12	12
(2) Motor Accidents	85	21	106	28	78
VI.—Police Court :					
(1) Cases under B.M.C. Act. in Metropolitan Magistrates courts.	52358	24581	76939	23393	54546
(2) I. P. C. cases.	43	22	65	33	32
(3) P. F. A. cases.	274	44	318	55	262
(4) Traffic.	16	..	16	..	16
(5) Cases under Section 515 of the B.M.C. Act.	66	29	95	44	51
(6) Lunatic matters in Bombay and Pune.	11	4	15	6	9
(7) Charity Commissioner Matters.	1	..	1	..	1
(8) Co-operative Court matters.	3	..	3	..	3
(9) Supreme Court Appeals.	1	..	1	..	1
(10) Contested cases under B. M. C. Act.	23	2	25	2	23
(11) M. R. T. P. Act.	56	..	56	1	55
(12) Tree cutting.	5	2	7	4	3
(13) High Court Appeals.	18	15	33	20	13
(13A) High Court Applications.	42	26	68	35	33
(14) Sessions Court Appeals	51	29	80	30	50
(15) Sessions Court Applications	50	26	76	27	49
(16) Shops & Estt. Act.	15	2	17	8	9
(17) Stum Tribunal.	1	..	1	..	1
(18) Criminal Procedure Code	2	7	9	7	2
(19) Civil Suit.	..	1	1	..	1
(20) Total amount of fine recover.	..	..	..	..	Rs. 27,00,128.00

	1	2	3	4	5
VII—Municipal Enquiries Courts.					
(Section 105B of the B.M.C. Act.—					
(1) Cases pending as on 1-4-1983.	2570
(2) New Cases referred to Enquiries Officers from 1-4-1983 to 31-3-1984.	3882
(3) Total number of cases disposed of during the year under report.	5149
(4) Total number of cases pending as on 31-3-1984.	1303
VIII—Documents Completed During the year :					
(1) Conveyance.	1
(2) Deed of Conveyance and Agreement (F.S.I.)	8
(3) Certificate of Sale.	19
(4) Deed of Confirmation.	1
(5) Agreement.	110
(6) Indemnity Bond.	18
(7) Cases for compensation for set back (Sub.)	11
(8) Cases for compensation for set back (City).	10
(9) Advice matter in respect of stamp duty, agreement, lease, Town Planning set back, P. F. claims etc.	1367
(10) Indenture of Deed of Mortgage, Deed of Receipt (Municipal Corporation Housing Societies).	25
(11) Further charges (Municipal Corporation Housing Societies).	9
(12) Appeal matter before Tahsildars, Collectors and Registrars.	14
(13) Assignments.	45
(14) Indemnity Bonds.	36
(15) Draft Leases.	16
(16) Draft Licence and Deed of Covenants.	29
(17) Power of Attorney.	5
(18) Probate.	20
(19) Declaration.	3
(20) Letters of Administration	4
(21) Draft Licence to Assign.	3
(22) Release Deed.	1
(23) Sale Certificate.	1
(24) Consent Decree.	3
(25) Gift Deed.	4
(26) Partition.	4
(27) Appointment of New Trustees & Settlement.	5
(28) Partnership.	1
(29) Legal Notices.	121
(30) Total Receipts.	805
(31) Opinion on references from Deptt. and parties.	430
(32) Opinion on documents and drafting documents Legal notices.	301

Smt. M. V. SHETTY.
Law Officer.

CENTRAL STORES

SALIENT FEATURES :—

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 3,150 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. 21,52,296, Advertisement Rs. 1,11,557 Printing and Stationery Rs. 42,000 Misc. viz. Clothing, Books and Dead Stock Electricity & Telephone Charges etc. Rs. 1,16,373 and Maintenance and Repairs was Rs. 55,821.

During the year all together tenders invited were 227, Quotations invited were 82, Contracts executed were 292 and Purchase orders placed were 1434.

During the year 162 notices were served on defaulting suppliers and in 3 cases tender deposits were forfeited, For delayed supplies penalties were also recovered as per terms of contracts.

During the course of the year, scrap and unserviceable articles valued at Rs. 411 were disposed off by sale.

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. In order to achieve this objective and to optimise investment in material, it has been decided to computerise the stock accounting, inventory control and suppliers accounting. In the final phase of computerisation, the stores activities viz. Purchase function, Stores function, material planning and Inventory control function and accounting function will be segregated in separate wings and the ward stores and other departmental stores will be brought under the control of the Central Stores Department.

As a first phase, all the 26 ward stores are proposed to be taken over under the Main stores at Byculla for inventory control purposes and the staff in substores will continue to work under the control of the respective Ward Officers as at present.

The computerisation was started on trial basis from 1-4-1983 in the Central Stores and two sub-stores in F/S Ward and has now been extended to all Wards from -1-11-1983. The progress is satisfactory.

STATEMENT 'A'

Showing the transactions made during the year 1983-84

Particulars	Capital Stores		General Stores		Total of Columns 2 & 3	
	1	2	3	4		
		Rs. P.	Rs. P.	Rs. P.		
Value of stores as on 1st April 1983 ..		53,40,378.72	76,09,708.69	1,29,50,087.41		
Add Value of stores received including transfers during the year 1983-84.		9,60,45,556.91	2,57,71,111.99	12,18,16,668.90		
Total		10,13,85,935.63	3,33,80,820.69	13,47,66,756.31		
Less—Value of stores issued including transfers during the year 1983-84.		9,49,54,335.50	2,45,91,140.44	11,95,45,475.94		
Closing Balance as on 31st March 1984 ..		64,31,600.13	87,89,680.24	1,52,21,280.37		
Average annual inventory ..		58,85,989.00	81,99,694.00	1,40,85,683.00		
Ratio of Average inventory level to monthly Issue. ..		0,744	4,000	1,414		

Controller of Stores.

ADMINISTRATIVE OFFICER (ENQUIRIES)

1983-84

This Department carries out the following functions :—

- (a) Investigation of complaints against Municipal employees. Complaints of corruption malpractices, defalcation, misappropriation and other serious misconducts.
- (b) Conduct of Departmental Enquiries against the Municipal Employees.
- (c) Giving advice and instructions in the matter of investigations and Departmental Enquiries to the other Departments.
- (d) Work pertaining to the installation of telephones at the various municipal offices and residence of Municipal officers.

2. During the year, the Deptt. conducted 963 investigations, paid 813 surprise visits to various municipal institutions and mustering places and disposed of 4080 papers 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.	...	54
(b) Cases of irregularities of major nature.		248
(c) Cases of irregularities of minor nature.	..	661

In all 832 departmental enquiries were held against whom prima facie cases were established. The details of action taken are as under —

1. Dismissal	..	5
2. Removal	..	13
3. Withholding of increments	..	205
4. Fines imposed	..	282
5. Censure, Caution warning etc.	..	246
5. Demotion	—	1
7. Suspension for 3 days	..	111
8. Recovery on account of loss to the Corporation	..	29
9. Exonerated as the charges were not proved	..	18

A total amount of Rs. 62,540 was distributed to the victims of fire, flood, House collapse etc., from the Mayors Fund Relief Committee.

A few important cases.

(1) In addition to the above, having detected that some organised fraud had taken place in the purchase of timber, the matter was investigated into by thoroughly scrutinising the stores and records of eight Wards and the Stores under 'G' Budget. It was revealed during preliminary enquiries, that certain staff of higher categories was also involved in the whole episode. Departmental Enquiries were ordered to be held against such staff and they were entrusted to the officers of the status of Dy. C.E.'s and Dy. Municipal Commissioner,s

(2) Surprise raids were arranged and carried out by intercepting the vehicles after they had surreptitiously entered into Bombay City limit and/or passed through certain Octroi Nakas and cases involving evasion of Octroi Duty were detected. As a result of such raids, amount to the tune of Rs. 1,77,011.10 towards the octroi duty was recovered at the instance of this Department. Determined efforts to arrest the leakage of Octroi Revenue, had the statutory effect on the hardened octroi duty avadors.

K. R. DIXIT,
Administrative Officer (Enquiries)

BOMBAY MUNICIPAL SECURITY FORCE

SALIENT FEATURES :—

I—Income & Expenditure—

(i) Income	..	...	...	...	...	Nil.
(ii) Expenditure	...	...	...	...	Rs. 1,69,23,662.00	

II—Departmental Enquiries completed ... Nil.

From 1-7-1977, Departmental Enquiries are transferred to Administrative Officer (Enquiries). However, the departmental enquiries pending with this deptt. to that date are completed by the Asstt. Security Officers.

Preliminary Enquiries completed	...	..	...	...	201
III—Theft etc. cases reported	...	...	...	...	313
IV—Value of Municipal property involved	...	...	...	...	1,47,010.28
V—Cases detected	...	...	...	...	52
VI—Value of property recovered	...	...	...	...	1,01,379.13
VII—Formation of a Security Cell for Water Supply & Sewerage.					

Department Installations : There are 3156 men working on the Establishment of Security Force. A separate Security wing for guarding the installations of Water Supply & Sewerage Department has been formulated. This Unit is functioning under the administrative control of Security Officer, and functional control of Ch. Engineer (C. S.).

The main work of the Security Force is protection of Municipal property against theft pilferage etc. as also to conduct preliminary enquiries into cases of theft pilferage, misbehaviour, assaults etc.

Now from 1st April 1983, the Establishment of Security Department under Budget 'A' has been decentralized in three Zones viz. City Eastern Suburbs and Western Suburbs and Security Cell under Budget 'G' in two Zones viz. City and Suburbs. Each Zone is headed by Dy. Security Officer. The decentralization is in order to avoid inconvenience to the Security Guards in receiving their S.P.S., U.W.R.C. and also save their visits to Head Office at Byculla. Now the units are running more smoothly and the supervision over security arrangement has become easier.

The Security Asstts. have completed 201 preliminary enquiries during the year, in the cases, of desertion of duty, sleeping while on duty, unauthorised absence from duty for long periods, theft pilferage and assaults etc.

The Classification of the Preliminary Enquiries is as under :—

Cases of desertion of duty sleeping while on duty unauthorised absence etc.	Theft and pilferage Cases.	Other cases such as assaults, misbehaviour	Total
108	22	71	201

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

		Total No. of cases.	Property lost	Cases detected.	Property recovered.
			Rs.		Rs.
Hospital	..	64	91,693.13	27	88,675.13
Others	..	249	55,317.15	25	12,704.00
Total	..	313	1,47,010.28	52	1,01,379.13

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

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

The Security Force has got its own Training School and during the year 98 Security Guards (including Recruits) were imparted training.

The Bombay Municipal Security Force has organised its own Band Unit. It gives its programme on Sundays in Public Parks and Gardens as required by the Garden Supdt.

There were 3156 men working on the Establishment which includes Officers, Subordinates and Labour Staff. The Security Force recruited 63 candidates as Security Guards during the year.

V. T. DAVARE
Security Officer

MUNICIPAL PRINTING PRESS

HIGH LIGHTS :

(1) Expenditure :

(a) Establishment Rs. 73,17,113. (b) Other Items Rs. 70,47,716.

(2) Jobs : (a) Printing 8763. (b) Supply of Stationery 1,881.

(3) Printed pages for Corporation and their various Committees 43,585

(4) Amount Charged :-(a) To Department Rs. 1,33,50,577 (b) To Private Parties Rs. 1,15,687.

During the year, the Press carried out 8763 printing jobs both Department and Private in addition to supply of Stationery jobs at a total cost of Rs. 1,33,50,577. Department undertook 26 Private Printing Jobs and 3 jobs of stationery and earned Rs. 1,15,687. There was a surplus of Rs. 4,44,870 against the last year's working deficit of Rs. 3,17,070. In order to meet the requirements, department purchased 507 Metric Tons of various kinds of paper from the market and consumed total quantity of 525 Metric Tons which included old stock.

The comparative statement of jobs carried out and paper consumed during 1982-83 and 1983-84 is furnished below :

Statement I (Jobs carried out)

Description	1982-83		1983-84	
	Jobs	Pages	Jobs	Pages
(i) Departmental (Printing)	.. 7210	..	8737	..
(ii) Departmental (Stationery)	.. 2004	..	1878	..
(iii) Private Parties Printing	.. 24	..	16	..
(iv) Private Parties Stationery	.. 5	..	3	..
(v) B. E. S. & T. Undertaking	.. 12	..	10	..
(vi) Corporation & Committees	.. ..	32146 E 8320 M	.. ..	29940 E 4742 M
(vii) Corporation Record	.. ..	5952 E 1461 M	.. ..	7623 E 1280 M

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

Statement II (Paper consumed).

Description	1982-83		1983-84	
	Rate per Kgs.	Quantity in M. T.	Rate per Kgs.	Quantity in M. T.
	Rs.		Rs.	
(i) White	8.48	273½	10.09	330
(ii) Nepa	6.68	57½	7.83	63
(iii) Other kinds	9.74	142½	10.17	132
Total		473		525

Certain jobs were carried out through Outside Agencies at a cost of Rs. 91,636/- as against Rs. 95,867/- in the previous year. In addition to regular work, the Press carried out printing of (i) Marathi Budget and Establishment Schedule comprising 3602 pages and (ii) Budget 'G' both Marathi and English in time against heavy odds.

In response to the Incentive Bonus Scheme for C. L., 17 workers responded as against 45 workers in the previous year. The Press is working in two shifts with a total strength of the 429 workers as on 28th February 1984 as against 475 as on 28th February 1983. 34 Apprentices under Apprenticeship Act 1961 were engaged in this year as against 37 on 28th February 1983. The labour relations were very cordial and their grievances were redressed on spot wherever practicable.

ROTA PRINTING UNIT

Important Features :

The Rota Printing Unit carry out the work of printing and supplying copies of M.C.'s and M.C.A.'s Administration Reports in Marathi, Urgent Items and accompaniments of the Agenda of the Corporation and its various Committees and all the printing work of Tree Authority, both in English and Marathi. It also undertakes the work of printing and supplying copies of Annual Examination papers of the Primary and Secondary Schools of the Corporation in 11 different languages viz., Marathi, Gujarati, Hindi, English, Urdu, Kannad, Tamil, Telugu, Sindhi Devanagari Sindhi Arabic and Malayalam and printing work of other departmental jobs such as Reports, different Formats, circulars etc.

Expenditure :

(A) Establishment	..	Rs.	9,31,624.00
(B) Others	..	Rs.	7,69,492.00

Work Load Summary :

	Pages		Cost (Rs.)
(a) Printing of Administration Reports of M. C. and M.C.A. in Marathi.	..	673	38,610.92
(b) Departmental printing jobs such as Formats, Circulars, Reports, etc.	..	1031	11,21,307.03
(c) Urgent Items and Accompaniments and the Agenda of the Corporation and its various Committees	..	1206	1,03,774.27
(d) Annual Examination papers of Primary and Secondary Schools.	..	82.00	6,28,042.13
		(Lakh Impressions)	

In the reporting year, 57 employees were on the establishment of the Rota Printing Unit.

The booklet of Revision of Scales of Pay, etc. were printed and supplied by the Rota Printing Unit urgently.

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

The printing work of the annual examination papers of the E. O.'s Department is of confidential nature and the same is executed very punctually and accurately.

P. N. KADAM,
Superintendent,
Rota Printing Unit.

FINANCE

Report from the Chief Accountant on the accounts of the General Municipal Administration, the Improvement Schemes and the Education Fund for the year 1983-84.

GENERAL MUNICIPAL ADMINISTRATION

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

Revenue Account Budget 'A'	1983-84			1982-83
	Budget Estimates	Revised Estimates	Actuals	Actuals
	Rs.	Rs.	Rs.	Rs.
Opening Balance ..	1,42,31,000	—10,82,22,924	—10,82,22,924	21,02,881
Income ..	2,37,43,97,710	2,29,53,94,010	2,32,44,12,670	1,78,74,29,892
Expenditure ..	2,33,89,03,790	2,25,60,09,390	2,09,98,69,975	1,79,04,15,859
Balance ..	3,54,93,920 (Surplus)	3,93,84,620 (Surplus)	22,45,42,695 (Surplus)	29,85,967 (Deficit)
Balance ..	4,97,24,920	—6,88,38,304	11,63,19,771	—8,83,086
Increase (—) Decrease (+) in Reservation for Advances, etc. ..	..	—8,00,00,000	—11,58,74,076	—10,73,39,838
Closing Balance ..	4,97,24,920	—14,88,38,304	4,45,695 (Surplus)	10,82,22,924 (Deficit)

2. The Details of Reservation for Advances, etc..

Increases—				Rs.
In Misc Advances ..	..	..	..	5,98,56,272
In Renewed Grant ..	..	..	..	5,74,30,000
			Total ..	11,72,86,272
Decreases—				
In Reserve Stores ..	..	..	..	14,00,620
In Plant and Machinery ..	..	..	..	11,576
			Total ..	14,12,196
			Net Increase ..	11,58,74,076

Comparative Statement showing the actual position of Surplus Cash Balance as on 31st March 1984 and that as shown in the Revised Estimates for 1983-84 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	-10,82.23	-10,82.23	
Income	2,29,53.94	2,32,44.13	2,90.19 (Increase)
Expenditure	2,25,60.09	2,09,98.70	15,61.39 (Decrease)
Deficit/Surplus for the year (-)/(+)	+3,93.85	+22,45.43	+18,51.58 (Increase)
Deficit/Surplus			
Deduct—Increase in Reservation for Advances	-6,88.38	+11,63.20	+18,51.58
	-8,00.00	-11,58.74	-3,58.74
Net Deficit/Surplus (-) (+)	-14,88.38	+4.46	+14,92.84

3. The net unhypothecated Surplus Cash Balance on 31st March 1984 was as under:—

Liabilities	Rs.	Assets	Rs.
Reserve Stores Account	69,67,029	Surplus Fund as per Appendix No. 2.	43,71,27,102
Miscellaneous Advances	42,97,14,378		
Minimum required by Law	1,00,000		
Surplus Cash Balance	3,45,695		
	43,71,27,102		43,71,27,102

RESERVE STOCK AND CAPITAL STORES

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

Name of the Account	Opening Balances as on 1-4-1983	Receipts during the year	Total	Issues during the year	Closing balances as on 31-3-1984
	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Advances Reserve Stores	1,59,66,691	2,34,24,784	3,93,91,475	2,45,29,315	1,48,62,160*
(2) Advances Reserve Stores F.R.D.	-28,032	7,75,193	7,47,161	9,43,540	-1,56,575†
(3) Advances Capital Stores	5,03,64,327	8,08,73,654	13,12,37,981	8,11,53,572	5,00,84,409
(4) Advances Capital Stores F.R.D.	1,04,017	86,326	1,90,343	1,28,585	61,758
Total	6,64,07,003	10,51,59,957	17,15,66,960	10,67,55,112	6,48,11,758

* This includes Rs. 83,26,959 shown under unadjusted Reserve Stores Account.

† This includes Rs. 6,28,407 shown under unadjusted Reserve Stores Account: Foras Road Depot.

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 1983	Loan raised during the year	Repayment during the year	Loan outstanding as on 31st March 1984
	Rs.	Rs.	Rs.	Rs.
Division-I	97,19,98,032	15,20,93,773	2,49,82,982	1,09,91,08,823
Division II	1,11,05,76,853	8,80,00,000	4,77,51,040	1,15,08,25,813
Division-III	...	4,00,00,000	...	4,00,00,000
Total	2,08,25,74,885	28,00,93,773	7,27,34,022	2,28,59,34,636

The Break up of the loans raised during the year were as under :-

	Rs.	Rs.	
(1) Division-I	6,60,00,000		Being the loan amount towards Rs. 1,400 lakhs plus 10 per cent, issued at par with the currency of 17 years at 8½ percent interest per annum and Sinking Fund improving at 7 per cent basis per annum raised by Public subscription out of Rs. 1775 lakhs loan sanctioned under G.R.No. LLB/1083/783/CR/113/83/UD-13, dated 8th November 1983 in response to Corporation's Loan application for Rs. 6,000 lakhs underlying C. R. No. 829 of 10th October 1983.
Division-II	8,20,00,000	15,40,00,000	
(2) Division-I	7,00,00,000		Being the loan amount towards Rs. 1,100 lakhs issued at par with a currency of 25 years at 8½ per cent, interest per annum and Sinking Fund improving at 7 per cent, basis per annum, raised by internal funds. Loan sanctioned under C.R. No. 829 of 10th October 1983 and G.R. No. LLB/1083/783/C.R. No. 112/83/UD-13 dated the 28th November 1983.
Division-III	4,00,00,000	11,00,00,000	
(3) Division-I	1,60,93,773	1,60,93,773	Being the Loan received from World Bank through B.M.R.D.A. out of total loan of U.S. Dollars, 45,40,000 (Approximate Rs. 3,63,20,000 at Rs. 8 per Dollar) at the rate of 9.2 per cent interest per annum allocated to B.M.C. 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.
Total	...	28,00,93,773	

The repayment during the year were as under :-

	Rs.	
Division-I ...	(1) 30,94,371	Repayment of 9.2 per cent. I.B.R.D. (World Bank). Loan through B.M.R.D.A. for Traffic Operations.
	(2) 1,78,49,364	Repayment of 6 percent Rs. 407 lakhs B.M.C. Loan 1971 excluding Rs. 2,28,50,636.67 pertained to Budget 'G'.
	(3) 40,39,247	Repayment of 4½ percent Rs. 100 lakhs Internal Loan 1958-59 excluding Rs. 59,60,752.95 pertained to Budget 'G'
Division-II ...	4,77,51,040	Repaid to Debenture holders out of Sinking Fund investment.
Total	...	7,27,34,022

SINKING FUND

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

Budget 'A'	Amount of Fund on 1st April 1983	Interest etc. received	Sinking Fund Instalments	Withdrawn for repayment of Loans	Excess accumulation transferred to Revenue Account	Amount of Fund on 31st March 1984
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Division I	43,50,68,664	2,43,38,631	4,16,63,620	8,07,00,000	1,00,00,000	41,03,70,515*
Division II	26,99,57,167	2,09,12,162	4,97,83,163	6,70,00,000	..	27,36,52,432*
Division III	..	..	..	..	..	..
Total	70,50,25,771	4,52,50,793	9,14,46,783	14,77,00,000	1,00,00,000	68,40,23,347

Budget 'A'	Book Value of Securities and Cash as on 31-3-1984	Market Value, of Securities, interest accrued upto 31-3-1984 and Cash as on 31-3-1984	Amount of Sinking Fund which should have accumulated upto 31-3-1984	Excess in Sinking Fund as on 31-3-1984
	Rs.	Rs.	Rs.	Rs.
Division-I	41,03,70,915	41,38,73,606	40,16,79,583	1,21,94,023
Division-II	27,36,52,432	27,62,69,363	26,68,31,357	94,38,006
Total	68,40,23,347	69,01,42,969	66,85,10,940	2,16,32,029

* Out of this Rs. 20,19,35,323 and Rs. 2,60,94,578 pertaining to Division I and II respectively related to Budget 'G'.

REVENUE INCOME For DIVISION I, II AND III

6. The estimated income for the year was Rs. 2,37,43,97,710 and Revised Estimate was Rs. 2,29,53,94,010. The Actuals amounted to Rs. 2,32,44,12,670 resulting in decrease of Rs. 4,99,85,040 on the Budget Estimate and increase of Rs. 2,50,18,660 on the Revised Estimate.

OCTROI

6-A. The gross collections for the year were estimated at Rs. 1,55,70,00,000 the refunds and Commission charges at Rs. 10,00,00,000 and the net revenue at Rs. 1,45,70,00,000. The revenue collected and paid in to the Municipal Treasury in the year amounted to Rs. 1,62,37,64,928 and after deducting the amount of Rs. 17,29,21,381 (On account of refunds Rs. 14,74,16,985 and on account of fees for collection Rs. 2,55,04,396 credited to the separate Revenue Head), the net receipts amounted to Rs. 1,45,08,43,547 showing an increase of Rs. 41,64,16,181 as compared with the actuals of the previous year (i.e. Rs. 1,03,44,27,366).

REVENUE EXPENDITURE For Division I, II and III

7. The final sanctioned grants amounted in the aggregate to Rs. 2,63,62,79,840.

Budget Grants	Rs. 2,33,89,03,790
Unexpended Grants for previous years renewed for expenditure	7,55,69,660
Additional Grants	22,18,05,390
Final Sanctioned Grants	2,63,62,79,840

The transfers from one Budget Head to another without affecting the total Budget Provisions for the year amounted to Rs. 7,28,50,666.

8. Against the final sanctioned grants for the year aggregating to Rs. 2,63,62,79,840 as stated above the actuals amounted to Rs. 2,09,98,69,975 leaving an unexpended balance of Rs. 53,64,09,865 at the close of the year. Out of this balance the amount of Rs. 13,30,00,000 is being renewed for expenditure during 1984-85 has against Rs. 7,55,70,000 in 1983-84 and the remaining balance of Rs. 40,34,09,865 is being allowed to lapse.

9. The percentage of establishment expenditure to the total expenditure for 1983-84 and the previous year is as given below :—

Budget 'A'	Establishment Cost	Percentage of Establishment Cost to Total Expenditure during	
		1983-84	1982-83
	Rs.		
Division I	53,41,48,367	38.58	39.81
Division II	18,62,96,894	42.90	41.12
Division III	13,60,57,378	48.42	
Total	85,65,02,639	40.79	40.28

LOAN FUND AND LOAN WORKS EXPENDITURE

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

Budget 'A'	O.B. on 1-4-1983	New Loans raised during 1983-84	Reimbursement of loan from B.M.R.D.A.	Repayment of advance granted for purchase of P. & M.
	1	2	3	4
	Rs.	Rs.	Rs.	Rs.
Division I	—7,86,24,237	13,60,00,000	1,60,93,773	3,30,29,585
Division II	—3,04,23,688	8,80,00,000	..	50,98,637
Division III	—9,99,09,583	4,00,00,000	..	..
Total	—20,89,57,508	26,40,00,000	1,60,93,773	3,81,28,222

Grant-in-aid from Govt.	Total Loan Fund available	Total Expenditure incurred	Advance for financing Capital Store	C.B. as on 31-3-1984
5	6	7	8	9
Rs.	Rs.	Rs.	Rs.	Rs.
..	10,64,99,121	21,50,02,648	Dr. 34,30,953	—11,19,34,480
..	6,26,74,949	18,47,74,534	..	—12,20,99,585
..	—5,99,09,583	9,08,46,052	..	—15,07,55,635
..	10,92,64,487	49,06,23,234	Dr. 34,30,953	—38,47,89,700*

* This deficit was met by taking an advance from surplus monies.

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		
	Rs.	Rs.	Rs.		
1981-82					
Division-I	52,37,99,400	52,60,55,650	20,83,09,569	40	40
£Division-II	55,18,73,115	61,37,22,800	22,89,87,965	41	37
Division-III ... ..	..	..	..	..	..
Total	1,07,56,72,515	1,13,97,78,450	43,72,97,534	41	38

£ Pentains to W. S. & E. S.

Year	Loan Funds			Percentage of Actuals to Budget Estimates	Percentage of Actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
1982-83	Rs.	Rs.	Rs.		
Division-I ...	60,75,78,400	44,56,45,290	22,31,78,977	37	50
£Division-II ...	74,32,17,000	44,57,60,400	24,90,40,528	34	56
Division-III ...	...	...	...	...	...
Total ...	1,35,07,95,400	89,14,05,690	47,22,19,505	35	53
1983-84	Rs.	Rs.	Rs.		
Division-I ...	33,83,22,640	47,17,69,600	21,50,02,648	64	46
Division-II ...	21,25,13,800	33,60,22,000	18,47,74,534	87	55
Division-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

£ Pertains to W S & E. S.

TRUST FUND AND EXPENDITURE

UNDER TRUST FUND

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

	O.B. on 1-4-1983	Receipts during 1983-84	Total Funds available	Expenditure during 1983-84	C.B. as on 31-3-1984
	Rs.	Rs.	Rs.	Rs.	Rs.
Division-I ...	48,272	...	48,272	...	48,272
Division-II ...	97,808	...	97,808	...	97,808
Division-III ...	...	...	...	...	...
Total ...	1,46,080	...	1,46,080	...	1,46,080

INVESTMENT

11. The position of Investment was as under :

	Investment in Fixed Deposits	Investment in Current Account Deposits	Aggregate investment	Interest on Fixed Deposits	Interest on Current Account Deposits	Total Interest Realised
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Division-I ...	1,65,32,43,900	13,71,25,37,009	15,36,57,80,909	6,77,03,078	1,67,330	6,79,50,408
Division-II (W.S.) ...	...	4,23,009	4,23,009	...	1,058	1,058
Division-III (E.S.) ...	...	57,07,88,253	57,07,88,253	...	9,510	9,510
Total ...	1,65,32,43,900	14,28,37,48,271	15,53,69,92,171	6,77,03,078	1,57,898	6,79,50,576

STREET IMPROVEMENT

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

	Provision in the Revised Loan Works Budget Estimates for 1983-84 for acquisition of set backs	Expenditure during 1983-84	Balance out of the Provision	Amount of undischarged Commitment upto 31-3-1984
	Rs.	Rs.	Rs.	Rs.
City Division-I	26,00,000	24,54,048	1,45,952	1,02,21,957
Suburbs Division-II (W.S.)	63,00,000	60,34,808	2,65,192	..
Suburbs Division-III (E.S.)	26,51,000	11,91,079	14,59,921	..
Total	1,15,51,000	96,79,935	18,71,065	1,02,21,957

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 1-4-1983	Amount of Loans granted during the year	Repayments of Loans during the year	Loans Balance as on 31-3-1984
Rs.	Rs.	Rs.	Rs.
12,55,81,700.75	2,88,47,084.00	78,50,102.05	14,65,78,682.70

Budget ' B '

General Account

14. The Position of General Account during the year 1983-84 was as under :-

Improvement Schemes	Income	Expenditure	Surplus	Deficit
	Rs.	Rs.	Rs.	Rs.
Improvement Schemes	5,18,07,182	7,16,70,982	..	1,98,63,800
Slum Clearance (City Section)	36,21,497	72,76,163	..	36,54,666
Slum Clearance (Suburban Section)	8,35,521	65,04,870	..	56,69,349
Slum Improvement	*6,54,88,926	6,54,88,926	..	@@
Total	12,17,53,126	15,09,40,941	..	2,91,87,815

CAPITAL ACCOUNT

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

	Opening Balance as on 1-4-1983	Receipts on Account of Sale proceeds of lands & buildings	New Loan raised during the year	Total Funds available	Expenditure during the year	Deficit of General Account transferred to Capital Account	Closing Balance as on 31-3-1984
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Improvement Schemes	-7,86,81,872 (Deficit)	63,17,837	..	-7,23,64,035	67,74,427	1,98,63,800	-9,50,02,262 (Deficit)
Slum Clearance (City Section)	-1,88,52,950 (Deficit)	..	..	-1,88,52,950	39,38,368	36,54,666	-2,64,45,984 (Deficit)
Slum Clearance Suburban Section	-1,90,47,901 (Deficit)	1,53,228	..	-1,88,94,673	Cr. 1,18,902	56,69,349	-2,44,45,120 (Deficit)
Slum Improvement	-5,64,87,281 (Deficit)	1,61,52,127**	..	-4,03,35,154	3,07,04,527	..	-7,10,39,681 (Deficit)
Total	-17,30,70,004 (Deficit)	2,26,23,192	..	-15,04,46,812 Deficit	4,12,98,420	2,91,87,815	-22,09,73,047 (Deficit)

* Rs. 3,00,46,143 Contribution from Budget, ' A ' and Rs. 3,54,42,783 income from Hutment Colonies.

** Reimbursement of Capital Expenditure from Bombay Housing and Area Development Fund.

† The deficit was met by taking an advance from Surplus Monies of Budget, ' A ', Division-I.

@@ Deficit of Rs. 3,00,46,143 had been met from Contribution from Budget, ' A '.

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 1983	Loans raised during the year	Repayment of Loan during the year	Loan Outstanding on 31st March 1984
	Rs.	Rs.	Rs.	Rs.
Improvement Scheme.	13,98,28,000	..	89,00,000	13,09,28,000
Slum Clearance (City) Section.	5,75,96,204	..	12,19,782	5,63,76,422
Slum Clearance Suburban Section.	5,25,79,691	..	1,25,587	5,24,54,104
Slum Improvement.	2,00,00,000	..	..	2,00,00,000
Total :	27,00,03,895	..	1,02,45,369	25,97,58,526

SINKING FUND.

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

	Amount of Sinking Fund as on 1-4-1983	Interest etc. received during the year	Sinking Fund Instalments	Withdrawn for repayment of Loans	Amount of Sinking Fund as on 31-3-1984
	Rs.	Rs.	Rs.	Rs.	Rs.
Improvement Schemes.	8,05,28,386	44,57,611	25,05,825	89,00,000	7,85,91,822
Slum Clearance City Section.	1,90,88,237	11,60,757	10,46,363	10,00,000	2,02,95,357
Slum Clearance Subs. Section.	1,51,01,365	9,45,245	9,85,606	..	1,70,32,216
Slum Improvement	25,43,348	1,54,824	3,64,534	..	30,62,706
Total :	11,72,61,336	67,18,437	49,02,328	99,00,000	11,89,82,101

	Book Value Securities and Cash as on 31-3-1984	Market Value of Securities interest accrued upto 31-3-1984 and Cash as on 31-3-1984	Amount of Sinking Fund which should have accumulated upto 31-3-1984	Excess in Sinking Fund as on 31-3-1984
	Rs.	Rs.	Rs.	Rs.
Improvement Schemes	7,85,91,822	7,91,39,086	6,63,28,232	1,28,10,854
Slum Clearance City Section.	2,02,95,357	2,04,26,637	1,82,57,447	21,69,190
Slum Clearance Suburban Section.	1,70,32,216	1,71,12,584	1,57,16,454	13,96,130
Slum Improvement.	30,62,706	30,63,273	30,60,352	2,921
Total :	11,89,82,101	11,97,41,580	10,33,62,485	1,63,79,095

EDUCATION FUND

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

Revenue Budget 'B'	1983-84			
	Budget Estimates	Revised Estimates	Actuals	Actuals for 1982-83
Opening Balance. ..	Rs 20,006	Rs. 22,132	Rs. 22,132	Rs. 67,426
Income. ..	42,56,75,510	43,07,74,780	42,50,43,166	38,14,81,692
Expenditure. ..	42,56,75,510	43,07,74,780	42,84,33,697	38,58,45,431
Surplus or Deficit during the year. (+) (—)	..	..	—33,90,531	—43,63,739
Balance. ..	+ 20,006	+ 22,132	—33,68,399	—42,96,313
Add : Decrease or Increase in Reservations as shown in (ii) below.	..	..	+ 33,88,776	+ 43,18,445
Closing Balance. ..	+20,006 (Surplus)	+22,132 (Surplus)	+20,377 (Surplus)	+22,132 (Surplus)

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

Increase/Decrease (+) (—)	1983-84	1982-83
In Miscellaneous Advances. ..	Rs. —61,38,776	Rs. —10,68,445
In Renewed Grants. ..	+27,50,000	—32,50,000
Net Increase or Decrease. (+) (—)	—33,88,776	—43,18,445

(iii) The net unhypothecated Surplus Cash Balance on 31st March 1984 was as under.

Liability.		Assets.	
Miscellaneous Advance. ..	1,61,36,436	Surplus Revenue Fund as per Appendix No 59. ..	1,61,56,813
Minimum required by Law. ..	20,000		
Surplus Cash Balance. ..	377		
Total ..	1,61,56,813	Total ..	1,61,56,813

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

Opening Debt on 1st April 1983.	Loan raised during the year.	Repayment of debt during the year.	Outstanding Debt on 31st March 1984.
Rs. 23,56,00,000	Rs. 3,02,50,000	Rs. 33,00,000	Rs. 26,25,50,000

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

Amount of Fund on 1st April 1983.	Interest etc. realised.	Sinking Fund Instalments.	Total Sinking Fund.	Withdrawal for Repayment of Loans.	Amount of Fund on 31st March 1984.
Rs. 6,88,12,986	Rs. 41,79,425	Rs. 1,01,60,408	Rs. 8,31,52,819	Rs. 1,33,00,000*	Rs. 6,98,52,819

Book value of securities and cash as on 31-3-1984.	Market value of securities with interest accrued upto 31-3-1984 and cash as on 31-3-1984.	Amount of Sinking Fund which should have accumulated upto 31-3-1984.	Excess in Sinking Fund as on 31-3-1984.
Rs. 6,98,52,819	Rs. 7,07,26,298	Rs. 6,75,17,698	Rs. 32,08,600

* Including Rs. 1,00,00,000/- being excess accumulation withdrawn from Sinking Fund A/c.

The value of securities held in Sinking Fund Account on the basis of Market rates prevailing on 31st March 1984 including accrued interest and cash exceeded the actuarial amount of the Sinking Fund by Rs. 32,08,600 which is held in the Sinking Fund Account.

Income.

(vi) Position of the Income excluding the Special Contribution from Budget 'A' during the year 1983-84 is as shown below :—

Budget Estimates	Revised Estimates	Actuals.	Increase (+) Decrease (—) compared with	
			Budget Estimates.	Revised Estimates.
Rs. 19,31,75,510	Rs. 19,82,74,780	Rs. 19,50,43,166	Rs. + 18,67,656	Rs. - 32,31,614

To cover the deficit, an amount of Rs. 23,00 Crores (as against Budget Estimate and Revised Estimates of Rs. 23.25 Crores) has been taken from Budget 'A' as Specials Contribution during the year.

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

Expenditure.

(vii) The final sanctioned Grants amounted in the aggregate to Rs. 46,67,66,340 as follows :—

Budget Grants.	Rs. 42,56,75,510
Unexpended Grants for previous years renewed for Expenditure.	1,98,50,000
Additional Grants.	2,12,40,830
Final sanctioned Grants.	46,67,66,340

The transfers from one Budget Grant to another without affecting the total Budget provision of the year amounted to Rs. 2,00,18,530.

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

Final Grant 1983-84.	Actuals 1983-84	Balance Grant as on 31-3-1984.	Amount Reserved for Renewal during the year 1984-85.	Balance of Grant treated as saving.
Rs. 46,67,66,340	Rs. 42,84,33,697	Rs. 3,83,32,643	Rs. 2,26,00,000	Rs. 1,57,32,643

(ix) The percentage of Establishment cost inclusive of expenditure on Dearness Allowance, Provident Fund and Pension etc. charges to the total expenditure for 1983-84 as compared with the previous year's percentage is given below :-

Establishment.	Establishment cost	Percentage to the total expenditure during	
	1983-84	1983-84	1982-83
(1) Supervisory and Subordinate.	Rs. 33,09,91,718	Rs. 77.25	Rs. 78.72
(2) Labour, Technical and Others.	3,14,16,964	7.33	8.57
Total	36,24,08,682	84.58	87.29

Loan Funds

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

Opening Balance as on 1-4-1983.	Loan Receipts.	Total.	Loan Works expenditure.	Closing Balance as on 31-3-1984.
Rs. -1,37,09,979	Rs. 3,02,50,000	Rs. 1,65,40,021	Rs. 4,53,01,014	Rs. -2,87,60,993

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

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

Loan and Trust Fund					
Year.	Budget Estimates	Revised Estimates.	Actuals.	Percentage of Actuals to Budget Estimates.	Percentage of Actuals to Revised Estimates.
1981-82	Rs. 8,19,74,000	Rs. 9,44,08,000	Rs. 2,83,16,428	34.5	30.00
1982-83	9,12,21,000	7,26,54,500	3,73,08,224	40.9	51.3
1983-84	5,12,89,000	9,71,67,500	4,53,01,014	88.3	46.6

R. S. PEDNEKAR,
Chief Accountant.

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

Particulars.	1979-80.	1980-81.	1981-82.	1982-83.	1983-84
<i>General</i>					
1. Area of the Greater Bombay (in sq. Kms.)...	438,2256	464.79	466.35	466.35	466.35
2. Population ...	*§ 59,70,575	† 82,92,542	†† 82,27,332	††† 8243,405	††† 82,43,405
<i>Rates and Assessments.</i>					
3. Rateable value Rs.	1,46,14,18,814	1,56,01,40,556	1,65,66,84,247	1,75,81,40,007	1,88,21,97,578
4. Rateable value Rs. per head of population.	Rs. 244.77	Rs. 188.14	Rs. 201.36	Rs. 213.27	Rs. 228.33
5. Properties registered in the Assessment Book	1,97,073	2,04,293	2,08,748	2,15,870	2,19,312
<i>Income.</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
6. General Tax (@24% of R.V.) ...	31,87,11,960	33,87,68,724	36,90,69,740	38,89,43,002	40,20,27,912
7. Income from other sources ...	93,53,67,521	1,01,05,48,312	1,22,05,27,684	1,39,84,86,890	92,23,84,758
Total Income	1,25,40,79,481	1,34,93,17,036	1,58,95,97,424	1,78,74,29,892	2,32,44,12,670
8. Incidence of Taxation per head	§§ 175.62	§§ 133.51	§§ 156.73	§§ 184.31	§§ 238.96
<i>Loans.</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
9. Debt outstanding ...	1,42,19,18,260	1,67,82,83,296	1,89,53,91,379	2,08,25,74,885	2,28,99,34,636
10. Redemption and Sinking Funds in hand or invested ...	28,60,38,239	39,51,26,097	42,12,71,539	44,83,60,539	45,59,93,446
11. Net Loan Debt ...	1,13,58,80,021	1,28,31,57,199	1,47,41,19,840	1,63,42,14,346	1,83,39,41,190
12. Net Debt per head of population ...	190.25	154.74	179.17	198.24	222.47
<i>Expenditure</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
13. Primary Education ...	14,23,58,157	18,73,28,729	21,96,02,120	27,88,99,660	30,47,55,900
14. Medical Relief ...	25,48,05,751	28,31,45,017	33,03,92,650	36,06,97,404	41,12,76,531
15. Other City services ...	59,50,40,103	74,14,92,576	82,10,24,953	91,75,67,784	1,10,86,63,720
16. Debt Charges ..	14,75,47,068	16,35,53,207	19,58,36,570	23,32,51,011	27,51,73,824
Total Expenditure ...	1,13,97,51,079	1,37,55,19,529	1,56,68,56,293	1,79,04,15,859	2,09,98,69,975

Div.-I

* As per Census 1971. § (As Finally intimated by Dy. Director of Census)

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

† As per Census 1981 as int'm ted by H. O.

†† As finally intimated by the Director of Census.

††† As intimated by H.O.

APPENDIX No. 2.

(Consolidated)

Revenue Account for the year ended 31st March 1984

Particulars	Total	Particulars	Total
	Rs. P.		Rs. P.
To Revenue Expenditure ...	2,09,98,69,974.85	By Revenue Receipts ...	2,32,44,12,670.12
Surplus for the year	22,45,42,695.27		
	2,32,44,12,670.12		2,32,44,12,670.12
	Rs. P.		Rs. P.
To Revenue Expenditure to be incurred in 1984-85 and provided for as renewed grants ... 13,30,00,000.00		By Surplus Revenue Fund as at 1st April 1983 ...	27,00,14,406.74
		By Surplus for the year ...	22,45,42,695.27
	13,30,00,000.00		49,45,57,102.01
To Balance being Surplus Revenue Fund as at 31st March 1984 as per Appendix No. 5 of Division I +		By Revenue of previous years reserved for the year 1983-84 ... 7,55,70,000.00	
.. II -1,51,43,81,828.89			7,55,70,000.00
III -21,20,26,375.12	43,71,27,102.01		
	57,01,27,102.01		57,01,27,102.01

Appendix No 5

Revenue & Suspense Account, Balance Sheet as at 31-3-1984

Budget 'A'

(Consolidated)

Liabilities	Amount				Assets	Amount			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
(A) Outstanding liabilities—									
Cash Bill Outstanding					Cash at Bank—				
Budget 'A' Div. I ..	12,62,991.27				Div. I .. Cr.	4,08,05,676.33			
" II ..	7,10,567.95				Div. II .. Cr.	1,58,98,644.38			
" III ..	46,080.40				Div. III ..	10,17,056.54			
			20,19,639.62						Cr. 5,56,87,264.17
Cheques Payable A/c					Cash in Office—				
Budget 'A' Div. I ..	4,93,85,250.99				Div. I ..	10,57,91,178.44			
" II ..	86,25,431.27				Div. II ..	3,22,11,084.73			
" III ..	57,09,995.78				Div. III ..	1,76,67,000.39			15,56,69,263.61
			6,37,20,678.04						
Stores Purchase Outstanding A/c.			15,46,837.76		Municipal Loans-Interest Warrant Payable Account				
Stock Adjustment A/c.			2,05,670.41		Budget 'A' Div. I ..	2,05,271.32			
Capital Stores Purchase A/c (Foras Rd.)			6,80,180.47		" II ..	11,650.25			2,16,921.57
Outstanding charges for 1983-84 and previous year					B. I. T. Loans Interest Warrant Payable Account				6,054.55
Budget 'A' Div. I ..	9,30,00,000.00				Interest on B. I. T. Loans payable Account				760.00
" II ..	2,00,00,000.00				Interest on Suburban Loan with State Bank of India Budget 'A' Div. II ..				42,368.40
" III ..	2,00,00,000.00		13,30,00,000.00		Due for Stores Sold				8,84,57,862.78
Outstanding charges in respect of Interest Accrued but not paid Budget 'A' Div. I ..	97,27,276.05				Advances Recoverable Account Budget 'A' Div. I ..	27,25,22,245.30			
Div. II ..	1,51,54,316.60			2,48,81,592.65	" II ..	5,77,22,252.88			
					" III ..	65,52,018.86			33,67,96,517.04
Deposit in Cash and Public Securities from contractors and Private Parties Budget 'A' Div. I ..	52,62,56,851.96				Reserve Stores purchase A/c.				4,05,929.67
" II ..	33,73,04,055.22				Capital Stores Purchase A/c.				Cr. 50,41,322.08
" III ..	10,35,11,982.96		96,70,72,890.14		Capital Store Stock A/c.				...
Interest on loans payable A/c. Budget 'A' Div. I ..	2,28,383.75				Unadjusted Reserve Stores A/c. Stock				83,26,959.23
" II ..	6,75,162.53			9,03,546.28	Unadjusted Reserve Stores A/c. Stock (F. R.)				Cr. 6,28,407.41
					Advance from Surplus Moneys for financing Capital work Expenditure—				
Amount Payable to Budget 'E'			64,14,618.50		Budget 'A' Div. I ..	11,19,34,480.48			
Amount Payable to Budget 'G'			59,78,14,383.61		" II ..	12,20,99,584.19			
					" III ..	15,07,55,635.56			
					Budget 'B'				38,47,89,700.23
									22,09,33,046.03
					Deposit in Securities from Pub With State Bank of India—				60,57,22,746.26
					Budget 'A' Div. I ..	1,43,29,400.00			
					" II ..	10,44,190.12			1,53,73,590.12
Total—Outstanding Liabilities			179,82,60,037.48		In Office—				
					Budget 'A' Div. I ..	2,40,550.00			
					" II ..	17,52,355.00			
					" III ..	1,72,530.00			21,65,435.00
					Investment of Surplus Moneys in Public Securities				38,013.14
					Investments of Balance held—				
					In Securities	7,47,92,907.18			
					In Fixed Deposits	51,94,89,000.00			
					In Interest bearing Current A/c.	5,20,74,106.24			
					In Cash with S. B. I.	38,456.35			64,63,94,609.77
Total C. F.			179,82,60,037.48		Total C. F.				179,82,60,037.48

Appendix No. 5 —Contd.

Revenue & Suspence Account Balance Sheet as at 31-3-1984. (Contd.)

Budget 'A'

(Consolidated)

LIABILITIES	AMOUNT		ASSETS	AMOUNT	
		Rs. P.			Rs. P.
Total—B. O. ..		179,82,60,037.48	Total—B. O. ..		1,79,82,60,037.48
(B) Special Fund Account'			Investment of Special Funds in Securities'		
Municipal Fire and Accident Insurance Fund A/c. ..		80,13,891.37	Provident Fund ..		76,86,46,673.81
Net Premia Fund Account ..		18,35,078.41	Hospital Fund— Budget 'A' Div. II ..		2,36,100.00
Provident Fund Account ..		76,86,46,685.74	Fidelity Guarantee Ins. Fund ..		9,64,300.00
Pension Fund Account ..		37,02,58,290.38	Public Monument Maintenance Fund ..		
Hospital Fund Account—			Budget 'A' Div. I ..	1,22,873.34	
Budget, 'A' Div. I ..	20,14,383.72		" II ..	16,300.00	
" II ..	2,36,191.87				1,39,173.34
		22,50,575.59	Endowment Fund ..		13,61,288.89
G. S. M. College, K.E. M. Hospital Research Fund Account		10,83,459.27	Motor Vehicles (Third Party) Insurance Fund ..		11,50,000.00
			Tree Authority Fund ..		45,00,600.00
			Mechanically Propelled Vessels (T.P) Insurance Fund ..		6,09,300.00
			Municipal Fire & Accident Insurance Fund ..		80,13,800.00
Fidelity Guarantee Insurance Fund A/c. ..		9,64,348.70	Total—Inv. in Securities ..		78,56,21,236.04
Land (Recl. & Acqn.) Fund Account ..		2,20,17,639.97	Investment of Special Funds in Fixed Deposit and Cash etc.		
Public Monument Maintenance Fund Account—			Municipal Fire and Accident Insurance Fund ..		91.37
Budget 'A' Div. I ..	1,22,965.34		Net Premia Fund ..		18,35,078.41
" II ..	16,317.94		Provident Fund ..		11.93
		1,39,283.28	Pension Fund ..		37,02,58,290.38
Endowment Fund Account ..		14,28,502.04	Hospital Fund Budget 'A' Div. I ..	20,14,383.72	
Fire Brigade Employees (Operational Staff) Accident Compensation Fund A/C ..		8,31,316.65	" II ..	91.87	
Motor Vehicles (Third Party) Insurance Fund A/c ..		12,00,000.00			20,14,475.59
Mechanically Propelled Vessels (T. P.) Insurance Fund A/c.		6,09,349.70	G. S. M. College and K. E. M. Hospital Research Fund		10,83,459.27
Development Fund for Secondary Schools A/C ..		85,84,588.97	Fidelity Guarantee Insurance Fund ..		48.70
Tree Authority Fund A/C ..		45,00,652.77	Land (Recl. & Acqn.) Fund Public Monuments Maintenance Fund ..		2,20,17,639.97
			Budget 'A' Div. I ..	92.00	
			" II ..	17.94	
					109.94
			Endowment Fund ..		67,213.15
			Fire Brigade Employees (Operational Staff) Accident Compensation Fund ..		8,31,316.65
			Motor Vehicles (Third Party) Insurance Fund ..		50,000.00
			Mechanically propelled vessels (T. P.) Insurance Fund ..		49.70
			Development Fund for Secondary Schools ..		85,84,588.97
			Tree Authority Fund ..		52.77
Total—Special Fund A/c. ..		1,19,23,63,662.84	Total Investment in Fixed Deposits and in Cash ..		40,67,42,426.80
			Total Investment Special Funds ..		19,23,63,662.84
Total—C. F.		2,99,06,23,700.32	Total—C. F. ..		2,99,06,23,700.32

Appendix No. 5 (Concl.)

Revenue & Suspense Account, Balance Sheet as at 31-3-1984. (Concl.)

Budget 'A'

(Consolidated)

Liabilities	Amount				Assets	Amount			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
Total—B.O. ..			299,06,23,700.32		Total—B.O. ..			299,06,23,700.32	
C) Surplus Revenue Fund A/c.					Investment of Surplus Revenue Fund				
Budget 'A' Div. I ..	2,16,35,35,306.02				General Reserve Stores Account Stock—(App. 17) ..			69,67,029.08	
II (Deficit) ..	151,43,81,828.89				Advances out of S. C. B.—				
III (Deficit) ..	21,20,26,375.12		43,71,27,102.01		Budget 'A' Div. I ..	29,09,82,777.50			
					" II ..	9,86,97,702.72			
					" III ..	4,00,33,897.76		42,97,14,377.98	
					Investments of Balance held—				
					In Securities ..				
					In Fixed Deposits ..				
					In Interest bearing Current A/c. ..				
					In Cash with S.B.I. ..	4,45,693.00		4,45,695.00	
Grand Total ..			43,71,27,102.01		Total Surplus Revenue Fund ..			43,71,27,102.01	
			342,77,50,802.33		Grand Total ..			342,77,50,802.33	

Investments of Surplus Fund.

Budget 'A'	Securities		Fixed Deposit		Interest bearing Current A/c.		State Bank of India. Cash Deposits		Total	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Division I ..	4,71,72,239.98		51,94,89,000.00		4,94,79,243.17		4,12,353.49		61,65,52,836.64	
Division II (W.S.) ..	2,76,20,727.20				1,41,474.04		71,797.86		2,78,33,999.10	
Division III (E.S.) ..					24,53,469.03				24,53,469.03	
Total ..	7,47,92,967.18		51,94,89,000.00		5,20,74,186.24		4,84,151.35		64,68,40,304.77	

Div.—I

APPENDIX No. 7

CAPITAL ACCOUNT BALANCE SHEET AS AT 31ST MARCH 1984 (Budget 'A')

(Consolidated)

LIABILITIES					ASSETS											
PARTICULARS	Div. I		Div. II		Div. III	TOTAL			PARTICULARS	Div. I		Div. II		Div. III	TOTAL	
	Rs.	P.	Rs.	P.		Rs.	Rs.	P.		Rs.	P.	Rs.	P.		Rs.	P.
Loans Outstanding Due to Public	1,09,91,08,822.86		1,15,08,25,813.00		4,00,00,000.00	2,29,99,34,635.86			BLOCK ACCOUNT--							
Advances from Surplus Monies	11,19,34,480.48		12,20,99,784.19		15,07,55,635.56	38,47,89,700.23			Loan Funds--							
Trust Fund Account--									Property and Assets at original cost	1,55,07,68,458.63	1,49,13,53,052.20	19,07,55,635.56		3,23,28,77,146.39		
Donations from--									TRUST FUND--							
The Trustees of the late Justice Badruddin Tyabji Memorial Fund for the Construction of Orchard House at Victoria Garden	1,694.50					1,694.50			Expenditure	83,23,829.47	1,27,408.00			86,51,237.47		
Reserve Bank of India for construction of a ward of 58/40 beds for accommodating their sick employees in K. E. M. Hospital	46,577.39					46,577.39	48,271.89		MUNICIPAL LAND AND BUILDINGS FUND--							
SURPLUS--									Land purchased and Buildings erected	43,03,043.42				43,03,043.42		
Capital Assets at Original Cost Over Liabilities Sinking Fund on Loans	41,03,70,914.70		27,36,52,431.78			68,40,23,346.48			INVESTMENTS--							
Contribution from Special Fund	8,03,171.02					8,03,171.02			SINKING FUND	41,03,70,914.70	27,36,52,431.78			68,40,23,346.48		
Do. Revenue for Loan Works Establishment	17,869.98					17,869.98			LOAN AND TRUST FUNDS--							
Do. Port Trust	1,56,500.00					1,56,500.00			Amount reserved for Capital Stocks	5,01,46,315.69				5,01,46,315.69		
Do. Government for Schools	5,00,000.00					5,00,000.00			BALANCE HELD IN--							
Do. Government for widening the Love Grove Bridge	91,234.00					91,234.00			In Securities		97,800.00			97,800.00		
Do. Land and Buildings Fund	43,03,043.42					43,03,043.42			In Fixed Deposits	48,200.00				48,200.00		
Do. Development Fund	1,29,89,110.46					1,29,89,110.46			In Current Account Deposits							
Do. Revenue towards Bai Jerbai Wadia Hos- pital for Children	7,00,000.00					7,00,000.00			In Cash	71.89	7.69			79.58		
Do. Trust Fund	83,23,829.47		4,25,215.69			87,49,045.16				48,271.89	97,807.69			1,46,079.58		
Do. Trustees Gokuldas Tejpal Charities	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 Road in Colaba Division	12,975.87					12,975.87										
Grant in Aid from Infrastructure Company Plant	26,36,152.00					26,36,152.00										
Loan Redemption Fund	57,19,46,334.01		21,81,27,655.01			59,00,73,989.02	1,30,53,74,961.05									
Grand Total	2,02,39,60,833.80		1,76,54,30,699.67		19,07,55,635.56	3,98,01,47,169.03			Grand Total	2,02,39,60,833.80	1,76,54,30,699.67	19,07,55,635.56		3,98,01,47,169.03		

APPENDIX No. 8

(CONSOLIDATED)

Capital Works Expenditure Budget 'A' (Summary).

CAPITAL ACCOUNT	TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1983.				CAPITAL WORKS EXPENDITURE DURING THE YEAR 1983-84				TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1984			
	Div.—I (City)	Div.—II (W. S.)	Div.—III (E. S.)	Total	Div.—I (City)	Div.—II (W. S.)	Div.—III (E. S.)	Total	Div.—I (City)	Div.—II (W. S.)	Div.—III (E. S.)	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Loan Funds—												
I.—General Supervision etc.	5,36,94,570	3,21,74,330	1,64,152	8,60,33,052	1,09,54,882	34,07,127	4,84,617	1,98,46,626	6,49,49,452	4,05,81,457	6,48,769	10,58,79,678
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.	3,48,42,998	2,37,45,385	2,59,547	5,88,47,930	53,61,849	11,73,248	35,25,490	1,00,60,587	4,02,04,847	2,49,18,633	37,85,037	6,89,08,517
IV.—S. W. Drains etc.	29,31,47,143	37,32,55,330	54,91,410	67,18,93,883	70,25,706	43,69,691	38,99,823	1,52,95,220	30,01,72,849	37,76,25,021	93,91,233	68,71,89,103
V.—Mechanical	23,84,296	67,576	..	24,51,872	..	..	..	..	23,84,296	67,576	..	24,51,872
VI.—Bldgs, Land Acqn. etc.	14,56,94,069	6,61,18,431	4,73,670	21,22,86,170	2,13,49,136	Cr. 37,43,708	14,00,356	1,90,05,784	16,70,43,205	6,23,74,723	18,74,026	23,12,91,954
VII.—Fire Brigade	1,17,76,250	1,72,38,939	1,051	2,90,16,240	11,96,539	87,54,827	3,55,618	1,03,06,984	1,29,72,789	2,59,93,766	3,56,669	3,93,23,224
VIII.—Licensing, Removal of Encroachments.	12,96,652	..	..	12,96,652	..	..	..	..	12,96,652	..	..	12,96,652
IX.—Gardens & Open Spaces	2,88,77,792	5,06,05,035	1,77,80,717	9,72,63,544	16,95,617	1,38,12,101	2,21,80,601	3,76,88,319	3,05,73,409	6,44,17,136	3,99,61,318	13,49,51,863
X.—Markets & Slaughter Houses.	5,83,31,481	1,18,68,810	4,46,524	9,06,46,815	37,38,434	18,12,799	5,50,409	61,01,642	6,20,69,915	3,36,81,609	9,96,933	9,67,48,457
XI.—Deonar Abattoir.	5,70,51,212	..	..	5,70,51,212	..	..	4,96,968	4,96,968	5,70,51,212	..	4,96,968	5,75,48,180
Slum Service	50,75,492	..	..	50,75,492	..	..	..	..	50,75,492	..	..	50,75,492
XII.—Village Amenities.	..	76,36,483	10,74,040	87,10,523	..	3,60,135	2,99,896	6,60,031	..	79,96,618	13,73,936	93,70,554
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.	1,05,92,910	80	..	1,05,92,990	1,07,229	..	..	1,07,229	1,07,00,139	80	..	1,07,00,219
XIV.—Centenary Celebration Works	..	1,94,36,829	23,63,649	2,18,00,478	..	65,55,376	23,71,082	89,26,458	..	2,59,92,205	47,34,731	3,07,26,936
Municipal Power Laundry	62,123	..	..	62,123	1,61,812	..	..	1,61,812	2,23,935	..	..	2,23,935
Discount & Other charges on Loan	52,621	45,223	..	97,844	Cr. 52,620	..	..	Cr. 52,620	1	45,223	..	45,224
XV.—Traffic Operations.	29,57,81,366	52,05,83,693	6,68,30,578	88,31,95,637	8,05,23,291	8,73,60,439	4,48,42,119	21,27,25,849	37,63,04,657	60,79,44,132	11,16,72,697	1,09,59,21,486
XXI.—Public Health Department	2,17,31,069	2,19,28,212	11,49,042	4,48,08,323	27,39,300	1,38,71,998	21,45,473	1,87,56,771	2,44,70,369	3,58,00,210	32,94,515	6,35,65,094
XXII.—Medical Relief & Education	21,04,73,294	10,89,36,557	24,40,558	32,18,50,409	6,19,94,247	2,96,53,568	70,94,160	9,87,41,975	27,24,67,541	13,85,90,125	95,34,718	42,05,92,384
XXIII.—Measures to control environmental air pollution in Greater Bombay.	1,27,20,801	..	..	1,27,20,801	1,80,353	..	..	1,80,353	1,29,01,154	..	..	1,29,01,154
Suspense Account, Mechanical Transport	39,18,365	1,38,66,792	46,125	1,78,31,282	9,00,661	38,26,562	10,250	47,37,473	48,19,026	1,76,93,354	56,375	2,25,68,735
Plant and Machinery out of different Special Fund.	55,823	..	..	55,823	..	..	..	..	55,823	..	..	55,823
Total (1) Loan Fund	1,36,88,48,019	1,31,16,77,156	9,99,09,583	2,78,04,34,758	18,19,20,443	17,96,75,896	9,08,46,052	45,24,42,391	1,55,07,68,462	1,49,13,53,052	19,07,55,635	3,23,28,77,149
Trust Fund	83,23,829	3,27,408	..	86,51,237	..	..	..	..	83,23,829	3,27,408	..	86,51,237
Land Bldg Fund	43,03,044	..	..	43,03,044	..	..	..	..	43,03,044	..	..	43,03,044
Land purchase & Bldgs. erected	..	..	..	..	..	..	..	..	..	..	..	..
Grand Total	1,38,14,74,892	1,31,20,04,564	9,99,09,583	2,79,33,89,039	18,19,20,443	17,96,75,896	9,08,46,052	45,24,42,391	1,56,33,95,335	1,49,16,80,460	19,07,55,635	3,24,58,31,430

APPENDIX—15

(Consolidated)

Budgets 'A' and 'B'

Statement showing Receipts and Expenditure during the year 1983-84 and balance to the credit of the Municipal General Fund at the close of the year i. e. 31st March 1984.

Account Heads	Division I (City)		Division II (W. S.)		Division III (E. S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' (Part I)								
RECEIPTS								
A) Revenue Account Receipts								
1. General Tax, Indirect Taxation and Miscellaneous Revenue								
A—General Tax. ..	19,31,13,911.35		15,19,03,738.40		5,70,10,262.92		40,20,27,912.67	
B—Octroi. ..	1,47,27,29,772.20		..		..		1,47,27,29,772.20	
BB—Theatre Tax ..	18,20,673.45		11,20,081.40		6,09,786.70		35,50,541.55	
C—Other Receipts								
(a) Grant-in-Aid of Fees for land conveyance, Music etc. Licenses ..	1,240.00		..		..		1,240.00	
(b) Grant-in-Aid in respect of Fines for Offences against the Law ..	31,31,066.05		..		..		31,31,066.05	
(c) Interest and Profit on Investment of Surplus Loan and Other Balances ..	36,55,618.72		19,69,017.40		Dr. 3,420.61		56,21,215.51	
(d) Miscellaneous ..	1,62,17,840.37		Dr. 53,170.66		6,16,371.71		1,67,81,041.42	
(e) Receipts on account of Municipal Journal ..	8,134.00		..		..		8,134.00	
D—Receipts on account of proportionate Cost of Collection of Education Cess ..	5,57,332.14		3,18,433.13		1,68,441.00		10,44,206.27	
E—Rebate from Govt. on account of collection of Education Cess ..	..		..		..		..
	1,69,12,35,588.28		15,52,58,099.67		5,84,01,441.72		1,90,48,95,129.67	
2. Museums. ..	85,256.15		..		..		85,256.15	
3. Free Reading Rooms and Libraries. ..	451.00		6,271.00		..		6,722.00	
4. Municipal High School ..	4,31,55,906.66		..		..		4,31,55,906.66	
5. Street Cleansing, Conservancy and Halalkhore Services ..	52,06,279.33		35,73,188.35		8,64,607.73		96,44,075.41	
6. S. W. Drains etc. ..	35,740.34		2,900.00		4,453.58		43,093.92	
7. Mechanical and Electrical ..	2,93,879.03		3,12,017.51		..		6,05,896.54	
8. Buildings, Land Acquisition and Management.								
A—Sale Proceeds of Surplus Land. ..	7,988.30		..		100.50		8,088.80	
B—Other Receipts.								
(a) Rent of Buildings. ..	44,70,488.01		4,03,433.98		82,843.03		49,56,765.02	
(b) Ground Rent. ..	8,40,712.29		17,355.37		92,318.06		9,50,385.72	
(c) Miscellaneous ..	1,37,73,322.71		3,63,34,287.63		1,08,08,056.83		6,09,15,667.17	
C—Contribution from Capital Funds on account of Special Land Acquisition Staff. ..	3,41,190.10		..		..		3,41,190.10	
	1,94,33,701.41		3,67,55,076.98		1,09,83,318.42		6,71,72,096.81	
9. Fire Brigade								
A—Fire Tax ..	1,22,62,584.12		94,83,917.99		35,71,963.35		2,53,18,465.46	
B—Other Receipts ..	33,075.92		24,434.44		20,630.42		78,140.78	
	1,22,95,660.04		95,08,352.43		35,92,593.77		2,53,96,606.24	
10. Licensing, and Removal of Encroachments on Public Streets.								
A—Licences for Dangerous and Offensive Trades ..	1,30,43,795.94		79,95,070.77		54,35,073.23		2,64,73,939.94	
B—Removal of Encroachments on Public Streets etc. ..	1,29,59,623.73		23,87,888.09		8,76,881.80		1,62,24,393.62	
C—Miscellaneous ..	84,06,046.04		13,70,313.77		5,35,438.24		1,03,11,798.05	
	3,44,09,465.71		1,17,53,272.63		68,47,393.27		5,30,10,131.61	
11. Administration of Shops and Establishment Act 1948. ..	19,39,686.85		8,35,729.50		4,49,416.90		32,24,833.25	
12. Gardens and Open Spaces ..	15,92,156.49		9,08,354.34		3,90,512.73		28,91,023.56	
13. Markets ..	1,74,33,830.51		34,24,714.43		14,58,714.65		2,23,17,259.59	
14. Deonar Abattoir. ..	..		..		3,74,27,098.24		3,74,27,098.24	

APPENDIX—15—(Contd.)
(CONSOLIDATED)

Account Heads	Division I (City)		Division II (W. S.)		Division III (E. S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Budget 'A' Receipts—(Contd.)								
15. Traffic Operations, Roads and Bridges—								
A—Wheel Tax ..	1,64,42,110.61		45,49,547.35		25,35,711.97		2,35,27,369.93	
B—Contributions from Govt. in lieu of Tolls ..	49,854.00		20,637.00				70,491.00	
C—Other Receipts ..	64,39,096.62		78,92,735.72		73,74,027.19		2,17,05,851.53	
D—Ferry Receipts ..	..		13,28,443.49		107.93		13,28,551.42	
	2,29,31,061.23		1,37,91,363.56		99,09,847.09		4,66,32,271.88	
16. Contribution from Capital Funds to Revenue Account of Loan Works Staff ..	71,47,509.55		46,76,882.72		25,08,715.72		1,43,33,107.99	
17. Extra Ordinary Receipts ..	1,01,53,930.00		1,00,00,000.00		..		2,01,53,930.00	
18. Transfer from the B. E. S. & T. Fund ..	40,00,000.00		..		..		4,40,00,000.00	
19. Rebate from Government on Account of Collection of U. I. P. Tax etc. ..	44,20,663.18		3,41,067.33		..		47,61,730.51	
20. Receipts from Government on Account of Urban Immoveable Property Tax etc. ..	8,17,196.32		..		..		8,17,196.32	
21. Share in Entertainment Tax etc. ..	2,58,39,837.00		..		..		2,58,39,837.00	
Total—Part I ..	1,90,24,27,799.08		25,11,47,290.45		13,28,38,113.82		2,28,64,13,203.35	
Budget 'A' (Part II)								
31. Public Health Department ..	45,88,751.99		19,10,596.79		9,49,749.24		74,49,098.02	
32. Medical Relief and Education ..	2,06,48,198.43		30,88,765.84		26,87,488.58		2,64,24,452.85	
33. Measures to Control Environmental Air Pollution in Greater Bombay. ..	13,87,248.87		11,11,434.80		16,27,232.23		41,25,915.90	
Total—Part II ..	2,66,24,199.29		61,10,797.43		52,64,470.05		3,79,99,466.77	
Total—(A) Revenue Receipts ..	1,92,90,51,998.37		25,72,58,087.88		13,81,02,583.87		2,32,44,12,670.12	
(B) Capital Account Receipts—								
Loan Funds—Capital Receipts—								
Debt Principal—New Loans of 1983-84 ..	15,20,93,772.77		8,80,00,000.00		4,00,00,000.00		28,00,93,772.77	
Advances from Surplus Monies for Financing Loan Works Expenditure Special Funds ..	3,33,10,243.14		Dr. 82,33,686.86		15,07,55,635.56		17,58,32,191.84	
Recoupment of Advances from Loan Funds for Purchase of Plant and Machinery ..	3,30,29,585.26		50,98,637.20		..		3,81,28,222.46	
Non-recurring grant in aid for infrastructural Feed Compost Plant ..	..		..		..		..
Total—(B) Capital Receipts I+II ..	21,84,33,601.17		8,48,64,950.34		19,07,55,635.56		49,40,54,187.07	
(C) Suspense Account Receipts—								
I—Sinking and Special Fund Accounts—								
Sinking Fund Account (Municipal) ..	6,65,83,884.60		7,13,15,997.90		..		13,78,99,882.50	
Special Fund Account ..	42,79,79,025.15		..		..		42,79,79,025.15	
Total—I (S. and S. Funds) ..	49,45,62,909.75		7,13,15,997.90		..		56,58,78,907.65	
II—Paper and Cash Accounts—								
1. Sinking Fund ..	9,09,04,443.71		6,50,58,465.88		..		15,59,62,909.59	
2. Special Funds ..	4,91,99,672.21		..		..		4,91,99,672.21	
3. Surplus Fund ..	25,69,89,286.79		8,87,46,290.22		4,00,00,000.00		38,57,35,577.01	
4. Loan Fund ..	..		..		..		..
5. State Bank of India and Other Local Banks on Account of Sundry Deposits ..	3,09,48,94,053.06		10,89,78,408.39		17,48,99,526.26		3,37,87,71,987.71	
Total—II (Paper & Cash) ..	3,49,19,87,455.77		26,27,83,164.49		21,48,99,526.26		3,96,96,70,146.52	
III—Other Suspense Accounts—								
Deposits Account ..	4,20,97,59,363.61		34,37,72,291.95		31,00,20,070.93		4,86,35,51,726.49	
Reserve Stores Account ..	6,43,77,145.53		..		..		6,43,77,145.53	
Capital Stores Accounts ..	17,08,55,946.18		..		..		17,08,55,946.18	
Purchase of Petrol and Diesel Oil ..	44,75,950.02		40,31,251.74		..		85,07,201.76	
Advances to Public including Co-operative for Housing purposes. ..	79,40,700.83		..		..		79,40,700.83	
Advance Departmental Works ..	99,73,301.57		62,31,087.00		52,02,369.31		2,14,06,757.88	
Advances Dept. Works—Traffic Amenities ..	..		..		26,28,425.22		26,28,425.22	
Advance Municipal Workshops ..	71,48,403.40		44,22,872.16		..		1,15,71,275.56	
Municipal Foundry ..	8,58,108.69		..		..		8,58,108.69	
Wetli Crushers ..	..		..		..		..
Mechanical Transport ..	5,42,20,472.65		3,67,00,921.64		..		9,09,21,394.29	
Asphalt Plant ..	79,66,239.39		..		..		79,66,239.39	

APPENDIX—15 (Contd.)

(CONSOLIDATED.)

Account Heads	Division-I (City)		Division-II (W. S.)		Division-III (E. S.)		Total Budget ' A	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Budget ' A ' Receipts (Contd.)								
Municipal Printing Press	1,38,72,759.33						1,38,72,759.33	
Rota Printing Unit	44,87,556.37						44,87,556.37	
Advances Private Works	21,77,360.61						21,77,360.61	
Advances Private Works-Traffic Amenities			38,787.43		29,272.84		68,060.27	
Reinstatement of Trenches	1,33,68,556.15		Dr. 15,87,640.50		Dr. 17,65,223.55		1,00,15,692.10	
Advances Special Funds	41,48,248.87						41,48,248.87	
Municipal Contractors	2,03,266.76		64,632.35		5,10,729.07		7,78,628.18	
Municipal Tenderers								
Sundry Advances Miscellaneous	25,64,16,552.05		13,93,72,384.84		5,00,09,107.32		44,57,98,044.21	
Advances for Demolition of Unauthorised Structures and for removal of unsafe Buildings	98,41,578.42				86,342.39		99,27,920.81	
Advances for conversion of Basket Privies etc.			14,328.14				14,328.14	
Advances to Municipal Officers	9,00,711.86		1,112.00		4,461.00		9,06,284.86	
Interest accrued But Not Paid	14,01,250.00		17,95,190.97				31,96,440.97	
Interest receivable Account								
Provident Fund	12,31,32,173.30		2,46,72,863.30		1,71,72,684.59		16,49,77,721.19	
Welfare Fund								
Fines Fund	15,247.54						15,247.54	
Fidelity Guarantee Insurance Fund	2,308.26						2,308.26	
B.M.C. Loans Interest Warrants Payable A/c... ..	2,77,43,728.36		5,28,63,353.68				8,06,07,082.04	
Dishonoured Cheques	3,03,30,128.07		1,76,32,564.08		73,53,131.88		5,53,15,824.03	
Cash Bills Outstanding Accounts	13,87,404.68		1,95,054.49		49,125.62		16,31,584.79	
Cheques Payable	7,51,17,21,134.76		73,09,41,838.29		55,68,07,003.00		8,79,94,69,976.05	
Wages Deposit Account	3,86,46,477.05		1,06,83,008.25		75,43,654.85		5,68,73,140.15	
Loan Redemption Fund Municipal	2,49,82,982.30		4,77,51,040.00				7,27,34,022.30	
Repayment of Loans			92,48,960.00				92,48,960.00	
Interest on B.M.C. Loans Payable Account	2,28,383.75		5,28,219.25				7,56,603.00	
Municipal Power Laundry	80,72,528.70						80,72,528.70	
Advances from Surplus Monies for financing Loan Works Expenditure			9,99,09,583.39				9,99,09,583.39	
Plant & Machinery Purchase out of Surplus Cash Balance								
Pension Fund	7,69,24,222.85						7,69,24,222.85	
Gratuities Fund	44,76,294.69						44,76,294.69	
Amounts transferred within Budget ' A ' Divns.	57,66,43,370.41		77,75,72,888.12		42,95,90,908.28		1,78,38,07,166.81	
Amounts transferred to Budget ' G '	1,23,69,59,938.76						1,23,69,59,938.76	
Improving Common House Gullies	6,39,070.43						6,39,070.43	
Contribution Receivable from Budget ' E '	43,70,26,722.73						43,70,26,722.73	
Advance for Deposit with outside bodies	3,200.00						3,200.00	
Unadjusted Reserve Stores Account Stock	83,56,982.99						83,56,982.99	
Halalkhore Services			7,33,545.17				7,33,545.17	
Advances Special Funds for Purchase of Plant and Machinery.								
Municipal Debt Interest			7,70,23,686.24				7,70,23,686.24	
Advances for Improvemet of Private Streets								
Total III—(Other Sup.)	14,95,16,85,771.92		2,38,46,13,823.98		1,38,52,42,062.75		18,72,15,41,658.65	
Total (C) Suspense Receipts	18,93,82,36,137.44		2,71,87,12,986.37		1,60,01,41,589.01		23,25,70,90,712.82	
Total Receipts Budget ' A '	21,08,57,21,736.98		3,06,08,36,024.59		1,92,89,99,808.44		26,07,55,57,570.01	
Tree Authority Budget	23,13,188.59						23,13,188.59	

APPENDIX—15—(Contd.)
(CONSOLIDATED)

Account Heads	Improvement Scheme		Slum Improvement		Slum Clearance (City)		Slum Clearance (Western & Eastern Suburbs)		Total Budget 'B'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'B' RECEIPTS										
(A) General Account Revenue										
I Rent and other Proceeds of Properties.	1,64,99,468.57		3,29,78,030.32		36,21,497.22		6,80,576.34		5,37,79,572.45	
II Contribution from B. M. C. under section 125 (2) (d) of the B.M.C. Act.	2,99,42,360.00		..		..		..		2,99,42,360.00	
IV Interest and Profit on Investments.		371.40	..		..		..			371.40
V Miscellaneous Receipts.	53,64,982.44		24,64,752.41		..		1,54,945.23		79,84,680.08	
VI Grant Assistance from Govt. of India for Improvement Slums.	..		..		..		..		..
VII Appropriation from Capital Account to meet the deficit	1,98,63,800.18		..		36,54,666.25		56,69,348.65		2,91,87,815.08	
Contribution from Budget 'A'	..		3,00,46,143.70		..		..		3,00,46,143.70	
Total (A) General Account Revenue.	7,16,70,982.59		6,54,88,926.43		72,76,163.47		65,04,870.22		15,09,40,942.71	
(B) Capital Account Receipts										
Sale Proceeds of Lands, Building etc.	63,17,837.21		..		..		1,53,227.95		64,71,065.16	
Transfer of Revenue Surplus from General Account	..		..		..		..		..
New Loans raised during 1983-84.	..		..		..		..		..
Advances from Surplus Monies.	2,03,20,390.10		1,45,52,399.76		75,93,033.90		53,97,219.55		4,78,63,043.31	
Reimbursement from Maharashtra Slum Improvement Board	..		1,61,52,127.00		..		..		1,61,52,127.00	
Total (B) Capital Receipts	2,66,38,227.31		3,07,04,526.76		75,93,033.90		55,50,447.50		7,04,86,235.47	
(C) Suspense Account Receipts										
I. Sinking and Special Funds Accounts										
(a) Sinking Fund Account.	70,18,160.49		5,19,358.01		22,24,456.32		19,39,183.02		1,17,01,157.84	
(b) Investment Reserve Fund Accounts	22,58,306.40		..		..		..		22,58,306.40	
(c) Rent Equalisation Fund Account	11,72,439.75		..		..		..		11,72,439.75	
(d) Amenities Fund Account	3,87,629.65		..		..		..		3,87,629.65	
Total I (S. and S. Funds)	1,08,36,536.29		5,19,358.01		22,24,456.32		19,39,183.02		1,55,19,533.64	
II Paper and Cash Account.										
(a) Sinking Fund.	89,18,365.33		6,55,405.61		10,04,924.24		60,603.67		1,06,39,298.85	
(b) Capital Fund.	..		..		..		..		..
(c) Investment Reserve Fund.	..		..		..		..		..
(d) Rent Equalisation Fund.	..	60.25	..		..		..		..	60.25
(e) Amenities Fund.	..	70.35	..		..		..		..	70.35
Total II—(Papers & Cash)	89,18,495.93		6,55,405.61		10,04,924.24		60,603.67		1,06,39,429.45	
III—Other Suspense Accounts.										
Loan Redemption Fund	89,00,000.00		..		12,19,782.28		1,25,586.65		1,02,45,368.93	
B. I. T. Loans Interest Warrants Payable Account	..		..		..		..		..
Total—III (Other Susp.)	89,00,000.00		..		12,19,782.28		1,25,586.65		1,02,45,368.93	
Total (C) Suspense Receipts	2,86,35,032.22		11,74,763.62		44,49,162.84		21,25,373.34		3,64,04,332.72	
Total Receipts—Budget 'B'	12,69,64,242.12		17,73,68,216.81		1,93,18,360.21		1,41,80,691.06		25,78,31,510.20	

APPENDIX-15 (contd.)
(CONSOLIDATED)

Account Heads (Part I)	Division I (City)		Division II (Western Suburbs)		Division III (Eastern Suburbs)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A'								
EXPENDITURE								
A) Revenue Account—								
I—General Supervision, Collection of Revenue, etc.								
A—General Superintendence	6,40,63,067.41		1,18,79,088.98		59,82,294.48		8,19,24,400.87	
B—Collection of Revenue	3,57,95,962.39		1,05,80,630.76		55,87,934.93		5,19,64,528.08	
C—Upkeep and guarding of Municipal Offices	66,67,391.15		36,34,552.45		14,57,488.27		1,17,59,431.87	
D—General Stores	27,88,060.76						27,88,060.76	
E—Legal Department	36,94,713.09		1,44,037.80		53,411.81		38,92,162.70	
F—Miscellaneous Charges	56,99,311.71		3,14,796.15		94,396.25		61,08,504.11	
G—Election Expenses	49,91,916.46						49,91,916.46	
H—Provident Fund Charges	6,04,185.37		1,26,540.00		45,694.00		7,76,419.37	
I—Debt Charges	61,61,101.74		25,75,789.14		14,59,037.85		1,01,95,928.73	
J—Encouraging sports activities	68,450.00						68,450.00	
K—Payment of Bank Commission Charges	6,14,976.76						6,14,976.76	
	13,05,40,309.84		2,92,55,385.28		1,46,80,257.59		17,44,75,952.71	
Deduct : Proportion of General Superintendence	3,25,19,752.36		94,27,121.42		48,09,498.00		4,67,56,371.78	
II—Museums—	9,80,20,557.48		1,98,28,263.86		98,70,759.59		12,77,19,580.93	
A—Dr. Bhanu Daji Lad Museum	2,27,521.45						2,27,521.45	
B—Provident Fund Charges	1,201.00						1,201.00	
C—Debt Charges	2,28,722.45						2,28,722.45	
III—Free Reading Rooms and Libraries—								
A—Municipal Free Reading Rooms & Libraries	28,48,740.19		16,24,875.70		5,00,621.26		44,74,237.15	
B—Provident Fund Charges	217.00						217.00	
C—Debt Charges	1,30,933.54		919.00				1,31,852.54	
	29,79,890.73		11,25,794.70		5,00,621.26		46,06,306.69	
IV—Municipal High Schools								
A—Municipal High Schools	4,93,64,942.87						4,93,64,942.87	
B—Provident Fund Charges	39,657.30						39,657.30	
C—Pension Fund	3,85,870.95						3,85,870.95	
	4,97,90,471.12						4,97,90,471.12	
V—Street Cleansing, Conservancy and Halalkhore Service—								
A—Street Cleansing and Conservancy	1,58,27,520.09		67,95,682.60		50,71,105.63		2,76,94,308.32	
B—Collection, Loading, Removal and Disposal of Town Refuse	13,55,46,456.39		4,74,46,802.17		2,59,95,187.32		20,89,88,445.88	
C—Halalkhore Service	94,57,432.76		1,14,46,110.44		54,45,823.08		2,63,49,366.28	
D—Provident Fund Charges	Cr. 47,644.21		1,27,345.00		55,790.88		1,35,491.67	
E—Debt Charges	32,18,018.49		28,17,014.23		16,84,659.71		77,19,692.43	
	16,40,01,783.52		6,86,32,954.44		3,82,52,566.62		27,08,87,304.58	
VI—S.W. Drains—								
A—Maintenance of S.W. Drains	65,54,847.75		81,71,865.55		1,31,05,878.78		2,78,32,592.08	
B—Provident Fund Charges			3.00		7,200.00		7,203.00	
C—Debt Charges	48,33,017.95		85,03,035.98		46,51,923.78		1,79,87,977.71	
	1,13,87,865.70		1,66,74,904.53		1,77,65,002.56		4,58,27,772.79	
VII—Mechanical and Electrical								
A—Mechanical Engineer's Office Establishment	36,61,199.12		3,97,720.39		11,207.80		40,70,127.31	
B—Maintenance of Electric Installations			9,34,637.65				9,34,637.65	
C—Provident Fund Charges	38,433.00		5,487.00				43,920.00	
D—Debt Charges	Cr. 88,609.01		13,240.00				Cr. 75,369.01	
E—Contribution to Motor Vehicle (T.P.) Insurance Fund	2,96,906.30						2,96,906.30	
	39,07,979.61		13,51,085.04		11,207.80		52,70,272.45	

APPENDIX-15—(Contd.)

(Consolidated).

Account Heads	Division I City		Division II (W. S.)		Division III (E. S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE—(Contd.)								
VIII—Buildings, Land Acquisition and Management	51,04,442.06		37,57,099.04		19,46,851.34		1,08,08,392.44	
A—City Engineer's Central Office Establishment	58,53,832.60		11,97,567.63		6,56,868.19		77,08,268.42	
B—Inspection and Supervision of Private Buildings.	6,40,831.13		..		..		6,40,831.13	
C—Architectural	59,55,282.17		2,48,487.28		8,832.74		62,12,602.19	
D—Land Acquisition and Management	5,15,944.82		6,12,114.97		2,93,772.00		14,21,831.79	
E—Inspection and Supervision of Factories, Workshops and Work Places.	3,34,418.17		..		..		3,34,418.17	
F—Industrial Estates.	1,26,932.41		7,523.50		25,200.00		1,59,655.91	
G—Provident Fund Charges.	1,02,64,363.05		43,22,125.96		19,93,573.46		1,65,80,062.47	
H—Debt Charges.	2,87,96,046.41		1,01,44,918.38		49,25,097.73		4,38,66,062.52	
Deduct—2½ Percent Supervision chargeable to Imp. Scheme A/c.	1,49,484.82		..		..		1,49,484.82	
	2,86,46,561.59		1,01,44,918.38		49,25,097.73		4,37,16,577.70	
IX—Fire Brigade—	1,33,65,979.54		25,22,944.97		18,41,164.13		1,77,30,088.64	
A—Maintenance	38,537.00		1,610.00		690.00		40,837.00	
B—Provident Fund Charges.	6,510.00		..		..		6,510.00	
C—Pension, Gratuities and Compassionate Allowances.	10,17,146.02		3,32,656.31		1,56,879.00		15,06,681.33	
D—Proportion of General Supervision and Collection for Revenue	65,69,079.72		70,47,069.45		15,11,040.50		1,51,27,189.67	
E—Debt Charges	40,000.00		..		..		40,000.00	
F—Contribution to Fire Brigade Employees Accident Compensation Fund.	2,10,37,252.28		99,04,280.73		35,09,773.63		3,44,51,306.64	
X—Licensing and Removal of Encroachments on Public Streets.	42,53,475.75		18,74,574.87		10,00,774.46		71,28,825.08	
A—Licensing Establishment	52,11,846.35		18,18,242.46		10,49,051.96		80,79,140.77	
B—Removal of Encroachment on Public Streets	65,972.40		44,940.00		19,260.00		1,30,172.40	
C—Provident Fund Charges	1,16,734.66		..		..		1,16,734.66	
D—Debt Charges	96,48,029.16		37,37,757.33		20,59,086.42		1,54,54,872.91	
XI—Administration of Shops and Establishment Act 1948.	22,70,851.04		7,84,605.11		4,15,291.06		34,70,747.21	
A—Administration of Shops and Establishment Act 1948.	38,992.00		7.00		4,140.00		43,139.00	
B—Provident Fund Charges.	23,09,843.04		7,84,612.11		4,19,431.06		35,13,886.21	
XII—Gardens, Recreation Centres and Open Spaces	1,29,85,926.17		51,78,895.46		32,09,363.63		2,13,74,185.26	
A—Gardens	44,939.75		27,497.14		54,595.66		1,27,032.55	
B—New Gardens, Recreation Grounds, etc.	2,06,396.32		2,83,346.74		..		4,89,743.06	
C—Open Air Theatres	5,46,285.13		..		..		5,46,285.13	
D—M. G. M. O. Swimming Pool	5,06,495.06		..		..		5,06,495.06	
E—Krida Kendra and Social Welfare Centres	..		4,25,644.20		..		4,25,644.20	
F—Sardar V. P. S. Pool Kandivali.	..		..		4,28,077.04		4,28,077.04	
G—Ghatkopar Lion's Municipal Swimming Pool	..		9,35,969.50		..		9,35,969.50	
H—L. Dinanath Mangeshkar Natya Mandir	..		4,03,565.78		..		4,03,565.78	
I—S. Pool Siddharth Nagar Goregaon	17,325.50		4,820.00		1,980.00		24,125.50	
J—Provident Fund Charges.	21,21,937.26		49,26,929.13		24,63,722.62		95,12,589.01	
K—Debt Charges	1,64,29,305.19		1,21,86,667.95		61,57,738.95		3,47,73,712.09	
XIII—Markets	1,92,17,051.50		54,76,265.58		20,21,326.32		2,67,14,643.40	
A—Markets.	43,851.00		17,640.00		5,173.00		66,664.00	
B—Provident Fund Charges	18,970.00		16,000.00		10,000.00		44,970.00	
C—Pension, Gratuities and Companionate Allowance.	21,56,276.36		3,00,918.98		1,81,650.00		26,38,845.34	
D—Proportion of General Supervision	43,67,504.33		24,01,337.39		4,07,910.59		71,76,752.31	
E—Debt Charges.	2,58,03,653.19		82,12,161.95		26,26,059.91		3,66,41,875.05	

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.)								
XIV—Deonar Abattoir								
A—Deonar Abattoir .. .. .	..	..	..	..	3,41,16,427.04		3,41,16,427.04	
B—Provident Fund Charges .. .. .	..	..	..	..	31,000.00		31,000.00	
C—Pension, Gratuities and Compassionate Allowance .. .. .	..	..	..	..	9,200.00		9,200.00	
D—Proportion of General Supdt. .. .. .	..	..	..	..	12,37,325.59		12,37,325.59	
E—Debt Charges .. .. .	..	..	..	..	45,62,906.39		45,62,906.39	
					3,99,56,859.02		3,99,56,859.02	
XV—Traffic Operations, Roads and Bridges—								
A—General	62,27,682.79		36,09,483.72		35,51,544.30		1,33,88,710.81	
B—Traffic Planning and Operation	23,86,746.72		7,498.24		21,728.48		24,15,973.44	
C—Road, Bridge Planning and Design	8,523.18		1,797.06		..		10,320.24	
D—Road and Bridge Maintenance	10,79,70,046.11		5,74,02,831.66		2,92,82,599.60		19,46,55,477.37	
E—Rebate on account of compounded wheel tax permissible under section 185 of the B.M.C. Act .. .. .	..		..		..		..
F—Provident Fund Charges	23,009.27		85,333.19		Cr. 1,470.91		1,06,871.55	
G—Debt Charges	4,62,60,993.29		4,74,47,942.46		2,41,71,359.58		11,78,80,295.33	
H—Proportionate Cost of Collection of Wheel Tax	9,33,670.63		5,30,721.88		2,80,734.50		17,45,127.01	
I—Lumpsum provision for payment of Commission charges and interest on I.B.F. D.Loan .. .. .	..		..		..		..
J—Lumpsum provision for repayment of I B R D Loan No. 1335 I. N. .. .. .	..		..		..		..
	16,38,10,671.99		10,90,85,608.21		5,73,06,495.55		33,02,02,775.75	
XVI—Contribution to—								
(a) Budget 'B' under section 125(2)(d) of the Bombay Municipal Corporation Act	1,40,23,590.00		1,16,46,360.00		42,72,410.00		2,99,42,360.00	
(b) Budget 'E' under section 126C (c) of the Bombay Municipal Corporation Act	3,50,58,970.00		2,91,15,910.00		1,05,81,020.00		7,47,55,900.00	
(c) Budget 'E' (Special Contribution) under section 126C (c.1) of the Bombay Municipal Act	23,00,00,000.00		....		....		23,00,00,000.00	
(d) Fines and Welfare Fund	44,79,399.28		....		....		44,79,399.28	
(e) Tree Authority Fund	19,44,715.01		....		....		19,44,715.01	
(f) Contribution to P. F. to meet the difference in interest allowed and that actually realised on investment of P. F.	36,12,886.61		36,37,422.92		8,99,169.20		81,49,478.73	
(g) Special Contribution to Slum Improvement to meet deficit in General Account	5,71,02,410.63		....		....		5,71,02,410.63	
(h) Special Contribution to Budget to meet deficit in General Account .. .. .	..		..		..		..
	34,62,21,971.53		4,43,99,692.92		1,57,52,599.20		40,63,74,263.65	
XVII—Miscellaneous—								
(a) Pension Fund	Cr. 6,704.78		..		....		Cr. 6,704.78	
(b) Gratuity Fund	43,79,516.79		21,57,002.10		2,63,000.00		67,99,518.89	
Deduct: Proportionate Share .. .. .	..		..		..		..
	43,72,812.01		21,57,002.10		2,700.00		67,92,814.11	
XVIII—Measures for Civil Defence	1,78,280.60		....		....		1,78,280.60	
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, etc. .. .. .	..		..		..		..
Lump sum provision for the payment of arrears on account of revision of grade .. .. .	..		..		..		..
XXII—Lump sum Provision for upkeep of historical monuments & B.S. in the City .. .. .	..		..		..		..
XXIII—Lump sum provision for Deodar Plank Insurance Scheme	8,67,962.43		3,84,226.21		1,68,636.32		14,20,824.98	
XXIV—Lump sum provision for outlay on works of Rs. 1,00,000 in each constituency	10,94,028.97		5,14,183.15		3,37,682.90		19,45,895.02	
Total—Part I	93,67,37,642.61		33,91,24,113.61		19,98,92,618.52		1,49,57,54,374.74	

APPENDIX—15—(Contd.)
(CONSOLIDATED)

Account Heads	Division I (City)		Division II (W. S.)		Division III (E. S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE (Contd.) Budget 'A' (Part II)								
XI—Public Health Department—								
A—General Superintendence	3,39,77,321.71		1,77,11,860.63		97,55,547.21		6,14,44,729.55	
B—Supply of Milk to the under nourished needy children attending Municipal Schools	55,92,082.70		46,53,004.64		30,85,639.06		1,33,30,726.40	
C—Provident Fund Charges	1,21,080.59		55,533.30		34,200.00		2,10,813.89	
D—Malaria Eradication Programme	7,78,781.93		17,01,142.14		2,87,034.59		27,66,958.66	
E—Impounding Stray Cattle	2,37,931.67		4,52,362.88				6,90,294.55	
G—Census	Cr. 9.00						Cr. 9.00	
H—Filaria Programme			2,89,284.88		2,56,846.40		5,46,131.28	
I—Debt Charges	17,48,197.39		24,72,044.92		10,96,918.20		53,17,160.51	
	4,24,55,386.99		2,73,35,233.39		1,45,16,185.46		8,43,06,805.84	
XXII—Medical Relief and Education—								
A—Hospitals	22,05,33,012.77		6,63,43,620.02		5,00,89,235.90		33,09,65,908.69	
B—Maternity Homes	1,79,52,430.84		80,79,111.56		59,99,316.35		3,20,30,858.75	
C—Dispensaries	1,05,39,560.53		64,47,422.87		42,50,815.78		2,12,37,799.18	
D—Medical Education	4,28,98,108.55						4,28,98,108.55	
E—Statutory Contributions to Government Medical Institutions	4,14,500.04						4,14,500.04	
F—Clinic for treatment of Leprosy Cases	6,60,727.30		36,156.00				6,96,883.30	
G—Grant-in-Aid to Public Institutions	1,84,41,365.18		7,50,000.00		3,65,000.00		1,95,56,365.18	
H—Provident Fund Charges	3,28,277.84		4,099.00		41,840.00		3,74,216.84	
I—Debt Charges	3,68,31,817.96		1,61,64,750.84		58,02,957.01		5,87,99,525.81	
	34,85,99,841.01		9,78,25,160.29		6,65,49,165.04		51,29,74,166.34	
XXXIII—Measures to Control Environmental Air Pollution in Greater Bombay—								
A—Dy. City Engineer (Mech. & Elec.) Air pollution prevention office	2,89,122.52						2,89,122.52	
B—Airpollution Prevention Cell	23,89,490.15						23,89,490.15	
C—Health Survey Unit	15,490.32						15,490.32	
D—Debt Charges	41,40,524.44						41,40,524.44	
	68,34,627.93						68,34,627.93	
Total—Part II	39,78,89,855.93		12,51,60,393.68		8,10,65,350.50		60,41,15,600.11	
Total—(A) Revenue Expenditure	1,38,46,27,498.54		43,42,84,507.29		28,09,57,969.02		2,09,98,69,974.85	
(B) Capital Account—								
I—General Supervision, Collection of Revenue etc.	1,09,54,881.93		84,07,127.77		4,81,616.93		1,98,46,626.68	
II—Free Reading Rooms and Libraries								
III—Street Cleansing and Conservancy etc.	55,61,848.73		11,73,247.76		35,25,405.52		1,06,60,587.01	
IV—S. W. Drains etc.	70,25,705.91		43,69,690.47		38,99,822.99		1,52,95,219.37	
V—Mechanical and Electrical								
VI—Buildings Land Acquisition and Management	2,13,49,136.18		Cr.37,43,707.95		14,00,355.96		1,80,05,784.19	
VII—Fire Brigade	11,96,539.36		87,54,827.62		3,55,617.57		1,03,06,984.55	
VIII—Licensing, Removal of Encroachment etc.								
IX—Gardens and Open Spaces	16,95,616.53		1,38,12,101.23		2,21,80,601.51		3,76,88,319.27	
X—Markets	3,58,433.75		18,12,799.10		5,50,499.36		61,01,642.21	
XI—Deonar Abattoir					4,96,967.59		4,96,967.59	
XII—Village Amenities			3,60,134.87		2,99,895.67		6,60,030.54	
XIII—Industrial Estates	1,07,229.15						1,07,229.15	
XIV—Centenary Celebration Works			65,55,375.59		23,71,082.25		89,26,457.86	
XV—Traffic Operations, Roads and Bridges	8,03,23,230.99		8,73,60,438.74		4,48,42,118.76		21,27,25,848.49	
Power Laundry	61,811.49						1,61,811.49	
Plant and Machinery out of Loan Funds	1,70,73,592.27		69,17,776.89		2,28,702.25		2,42,20,071.41	
Suspense Account Mechanical Transport Plant and Machinery Purchased out of different Special Funds	9,00,660.86		38,26,562.20				47,27,223.06	
Assets written off	Cr. 52,619.57						Cr. 52,619.57	
Recoupment of Advance for Purchase of Capital Stores	52,619.57						52,619.57	
Printing Press	14,30,953.53				10,250.00		34,61,203.53	
Compost Plant								
Total—Part I	15,34,19,700.73		13,96,06,374.29		8,06,45,931.36		37,37,72,006.38	
XXI—Public Health Department	2,13,92,299.82		1,38,71,998.04		21,45,472.85		1,57,56,771.71	
XXII—Medical Relief and Education	6,11,94,247.34		2,96,53,568.25		70,94,160.11		9,87,41,975.70	
XXIII—Measures to Control Environmental Air Pollution in Greater Bombay.	80,353.28						1,82,353.28	
Plant and Machinery out of Loan Fund			16,42,593.15		9,66,437.85		26,09,031.00	
Total—Part II	6,44,13,903.44		4,51,68,159.44		1,02,06,120.81		12,97,88,183.69	
Total—(B) Capital Expenditure	21,84,33,604.17		18,47,74,533.73		9,08,46,052.17		49,40,54,189.67	

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.
BUDGET 'A' EXPENDITURE—(Contd.)								
C) Suspense Account								
I—Sinking and Special Fund Accounts								
Sinking Fund Account—Municipal ..	9,12,81,634.19		6,76,20,673.56		..		15,89,02,307.75	
Special Fund Account ..	23,73,20,153.69		..		..		23,73,20,153.69	
Loan Redemption Fund ..	..		..		..		..
Total—I (S. and S. Funds)	32,86,01,787.88		6,76,20,673.56		..		39,62,22,461.44	
II—Paper and Cash Account								
Sinking Fund ..	6,62,06,694.12		6,87,53,790.22		..		13,49,60,484.34	
Special Fund ..	13,39,58,543.67		..		..		13,39,58,543.67	
Surplus Fund ..	26,11,52,983.58		6,20,70,043.88		4,00,00,000.00		36,32,23,027.46	
Loan Fund ..	..		..		..		..
State Bank of India and Other Local Banks on account of Sundry Deposits ..	3,19,27,11,759.41		10,89,12,955.28		17,46,27,121.80		3,47,62,51,836.49	
Total—II (Paper and Cash)	3,65,40,29,980.78		23,97,36,789.38		21,46,27,121.80		4,10,83,93,891.96	
III—Other Suspense Accounts								
Deposit Account ..	4,13,18,60,054.62		46,68,41,294.96		27,71,91,583.25		4,87,58,92,932.83	
Reserve Stores Account ..	8,36,37,463.48		..		..		8,36,37,463.48	
Capital Stores Account ..	15,87,89,378.07		..		..		15,87,89,378.07	
Capital Stores Account (Terra Road Depot) ..	86,325.73		..		..		86,325.73	
Advances for purchase of Petrol and Diesel Oil ..	58,56,813.44		30,11,557.68		..		88,68,371.12	
Advances for Departmental Works ..	1,03,70,836.53		28,54,308.12		47,75,791.45		1,80,00,936.10	
Advances for Private Works ..	60,71,612.22		10,732.97		..		60,82,345.19	
Advances Private Works—Traffic Amenities ..	..		95,946.92		1,22,012.01		2,17,958.93	
Advances Departmental Works—Traffic Amenities ..	..		6,133.05		18,18,918.61		18,25,051.66	
Municipal Workshop ..	56,82,512.76		32,21,241.22		..		89,03,753.98	
Municipal Foundry ..	10,22,533.71		..		..		10,22,533.71	
Worli Crusher ..	..		..		..		..
Mechanical Transport ..	4,48,78,199.00		2,34,20,296.96		..		6,82,98,495.96	
Asphalt Plant ..	57,93,666.65		..		..		57,93,666.65	
Municipal Printing Press ..	1,43,64,828.85		..		..		1,43,64,828.85	
Rota Printing Unit ..	23,80,740.47		..		..		23,80,740.47	
Advances Special Funds ..	41,48,248.87		..		..		41,48,248.87	
Municipal Contractors ..	5,59,593.26		8,173.31		85,067.31		6,52,833.88	
Municipal Tenderers ..	..		..		..		..
Advances for Demolition of Unauthorised Structures and Removal of unsafe Buildings ..	1,01,07,313.44		1,81,850.20		2,95,216.96		1,05,84,380.60	
Advances to Public including Co-operatives for Housing purposes ..	3,11,80,284.00		..		..		3,11,80,284.00	
Municipal Power Laundry ..	64,35,434.82		..		..		64,35,434.82	
Advances to Municipal Officers ..	11,63,766.00		1,69,100.00		91,350.00		13,64,216.00	
Advances, Sundry Advances Miscellaneous ..	33,29,73,485.45		11,36,95,537.31		5,91,16,259.56		50,57,85,282.32	
Provident Fund ..	12,31,32,173.30		2,46,72,863.30		1,71,72,684.59		16,49,77,721.19	
Pension Fund ..	7,69,24,222.85		..		..		7,69,24,222.85	
Gratuity Fund ..	44,76,294.69		..		..		44,76,294.69	
Welfare Fund ..	..		..		..		..
Fines Fund ..	15,247.54		..		..		15,247.54	
Fidelity Guarantee Insurance Fund ..	2,3,8.26		..		..		2,308.26	
Reimbursement of Trenches ..	79,17,728.54		36,76,155.73		21,81,080.92		1,37,74,971.19	
Advances from Surplus Monies for Financing Capital Works Financing ..	8,11,73,286.45		9,16,75,896.53		15,07,55,635.56		32,36,04,818.54	
Total—(C)—(II)—(Other Susp.) C/F	5,15,10,04,353.00		73,34,81,088.26		51,36,05,606.22		6,39,80,91,047.48	

APPENDIX—13—(Contd.)

(CONSOLIDATED)

Account Heads	Division I (City)		Division II (W.S.)		Div. III (E.S.)		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Budget— 'A' Expenditure—(Contd.)								
Total—(C) III (Other Susp.) R/F ...	5,15,10,04,353.00		73,34,81,088.26		51,36,05,606.22		6,39,80,91,047.48	
Dishonoured cheques. ..	3,03,30,128.07		1,76,32,564.08		73,53,131.88		5,53,15,824.03	
Advances for Halelkhore Service. ..	Cr. 2,08,147.41		...		..		Cr. 2,08,147.41	
Improving common House Gullies in the city..	10,45,930.58		..		..		10,45,930.58	
Advances for Improvement of Private streets.	..		..		..		..
Advances for Deposit with Outside Bodies. ..	37,081.50		17,270.00		7,000.00		61,351.50	
Advance for Security Deposit with S. B. I. ..	...		...		..		..
Interest accrued but not paid ..	3,99,454.71		6,55,025.96		..		10,54,480.67	
Interest receivable Account. ..	...		..		..		..
Interest on Loans Payable Account ..	3,42,333.78		2,71,973.00		..		6,14,306.78	
B. M. C. Loans Interest Warrants Payable Account. ..	2,77,82,576.86		5,27,80,772.18		..		8,05,63,349.04	
Repayment of B. M. C. Loans ..	2,49,82,982.30		5,70,00,000.00		..		8,19,82,982.30	
Cash Bill Outstanding Account ..	17,45,940.76		80,522.84		50,591.51		18,77,055.11	
Cheques Payable ..	7,51,03,43,378.54		72,66,10,622.14		55,45,92,327.90		8,79,15,46,328.58	
Wages Deposit Account ..	3,86,46,477.05		1,06,83,008.25		75,43,654.85		5,68,73,140.15	
Amount Transferred from Mgn. General fund Budget A Div. I to Budget 'B' ..	44,69,65,244.39		47,65,15,912.85		..		92,34,81,157.24	
Amount transferred to Budget 'G' ..	1,15,61,24,403.89		...		..		1,15,61,24,403.89	
Amount transferred within Budget 'A' Divi- sions ..	1,04,29,53,851.55		..		26,43,37,402.41		1,30,72,91,253.96	
Unadjusted Reserve Stores Account Stock. ..	83,26,960.23		..		..		83,26,960.23	
Unadjusted Reserve Stores (Foras Road Depot) ..	1,57,564.63		..		..		1,57,564.63	
Municipal Debt. Interest. ..	..		7,70,23,686.24		..		7,70,23,686.24	
Advances Suspense Account accumulated Sur- plus Balance payable to Budget 'G' ..	..		...		..		..
Compost Plant debt. charges ..	...		..		1,02,753.22		1,02,753.22	
Advances for consolidation of Pasge in Pvt. Compounds. ..	...		...		..		..
Total—III (Other Susp.) ..	15,44,09,80,514.43		2,15,27,52,445.80		1,34,75,92,467.99		18,94,13,25,428.22	
Total (C) Suspense Expenditure ..	19,42,36,12,283.09		2,46,01,09,908.74		1,56,22,19,589.79		23,44,59,41,781.62	
Total Expenditure Budget 'A' ..	21,02,66,73,382.80		3,07,91,68,949.76		1,93,40,23,610.98		26,03,98,65,943.54	
Tree Authority Budget ..	23,13,188.59		...		..		23,13,188.59	

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 ..	6,15,35,335.31		6,38,74,392.43		27,40,711.49		22,79,131.22		13,04,29,570.45	
B—Cost of Management and Establishment ..	1,78,70,230.67		...		...		...		1,78,70,230.67	
C—Proportionate Charges on account of Municipal Supervision ..	69,46,199.89		...		...		...		69,46,199.89	
Deduct—Proportionate Share of Cost of Management & Establishment.—										
(a) General Account ..	Cr. 2,40,21,396.17		...		...		...		Cr. 2,40,21,396.17	
(b) Capital Account ..	Cr. 7,95,034.39		...		...		...		Cr. 7,95,034.39	
D—Debt Charges ..	1,00,77,195.00		16,14,534.00		45,35,451.98		42,25,739.00		2,04,52,919.98	
E—Lumpsum Provision for Deposit linked Insurance Scheme ..	58,452.28		..		..		..		58,452.28	
Total (A) General Account Expenditure	7,16,70,982.59		6,54,88,926.43		72,76,163.47		65,04,870.22		15,09,40,942.71	
(B) Capital Account Expenditure										
Improvement and Street etc. Schemes Expenditure ..	59,79,392.74		3,07,04,526.76		39,38,367.65		Cr. 1,18,901.15		4,05,03,386.60	
Proportionate Share of Cost of Management and Establishment ..	7,95,034.39		...		...		...		7,95,034.39	
Deficit in General Account— ..	1,98,63,800.18		...		36,54,666.25		56,69,348.65		2,91,87,815.08	
Total (B) Capital Expenditure	2,66,38,227.31		3,07,04,526.76		75,93,033.90		55,50,447.50		7,04,86,235.47	
(C) Suspense Account Expenditure										
I—Sinking etc. Fund Account										
(a) Sinking Fund Account ..	89,54,724.01		...		10,17,335.89		8,332.22		99,80,392.12	
Total—I (S. Fund)	89,54,724.01		...		10,17,335.89		8,332.22		99,80,392.12	
II—Paper and Cash Accounts										
(a) Sinking Fund ..	69,81,801.81		11,74,763.62		22,12,044.67		19,91,454.47		1,23,61,064.57	
(b) Capital Fund ..	...		...		..		...		..
(c) Investment Reserve Fund ..	2,86,15,806.40		..		..		..		2,86,15,806.40	
(d) Rent Equalisation Fund ..	1,27,62,400.00		..		...		...		1,27,62,400.00	
(e) Amenities Fund ..	42,13,800.00		...		...		...		42,13,800.00	
Total—II (Papers and Cash)	5,25,73,808.21		11,74,763.62		22,12,044.67		19,91,454.47		5,79,52,070.97	
III—Other Suspense Account										
Repayment of B. I. T. etc. Loans ..	89,00,000.00		...		12,19,782.28		1,25,586.65		1,02,45,368.93	
B. I. T. Interest Warrants Payable Account ..	...		...		...		...		...
Total—III (Other Susp.)	89,00,000.00		...		12,19,782.28		1,25,586.65		1,02,45,368.93	
Total—(C) Suspense Expenditure	7,04,28,532.22		11,74,763.62		44,49,162.84		21,25,373.34		7,81,77,832.02	
Total Expenditure Budget 'B'	16,87,37,742.12		9,73,68,216.81		1,93,18,360.21		1,41,80,691.06		29,96,05,010.20	

Appendix No. 15 Concld.

(Consolidated)

RECEIPTS				SUMMARY		DISBURSEMENTS													
Division-I (City)		Division-II (W.S.)		Division-III (E.S.)		Total		ACCOUNTS				Division-I		Division-II (W. S.)		Division-III (E. S.)		Total	
Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.			Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
4,79,51,197.93		3,64,01,670.57		2,38,80,389.47		10,82,33,257.97		Opening Balance as at 1st April 1983.		..	..	..	..	..	..	..	..	..	..
1,92,90,51,998.37		25,72,58,087.88		13,81,02,583.87		2,32,44,12,670.12		Budget 'A'											
21,84,33,601.17		8,48,64,950.34		19,07,55,635.56		49,40,54,187.07		(A) Revenue Account	1,38,46,27,498.54	43,42,84,507.29	28,09,57,969.02	2,09,98,69,974.85							
18,93,82,36,137.44		2,71,87,12,986.37		1,60,01,41,589.01		23,25,70,90,712.82		(B) Capital Account	21,84,33,601.17	18,47,74,533.73	9,08,46,052.17	49,40,54,187.07							
21,08,57,21,736.98		3,06,08,36,024.59		1,92,89,99,808.44		26,07,55,57,570.01		(C) Suspense Account	19,42,36,12,283.09	2,46,01,09,908.74	1,56,22,19,589.79	23,44,59,41,781.62							
23,13,188.59			23,13,188.59		Total—Budget 'A'	21,02,66,73,382.80	3,07,91,68,949.76	1,93,40,23,610.98	26,03,98,65,943.54							
15,09,40,942.71			15,09,40,942.71		Tree Authority Budget.	23,13,188.59	..	..	23,13,188.59							
7,04,86,235.47			7,04,86,235.47		Budget 'B'											
3,64,04,332.02			3,64,04,332.02		(A) General Account	15,09,40,942.71	..	..	15,09,40,942.71							
25,78,31,510.20			25,78,31,510.20		(B) Capital Account	7,04,86,235.47	..	..	7,04,86,235.47							
21,34,58,66,435.77		3,06,08,36,024.59		1,92,89,99,808.44		26,33,57,02,268.80		(C) Suspense Account	7,81,77,832.02	..	..	7,81,77,832.02							
..			Total—Budget 'B'	29,96,05,010.20	..	..	29,96,05,010.20							
21,39,38,17,633.70		3,09,72,37,695.16		1,95,28,80,197.91		26,44,39,35,526.77		Total Budgets 'A' 'B' TA	21,32,85,91,581.59	3,07,91,68,949.76	1,93,40,23,610.98	26,34,17,84,142.33							
..			Closing Balance as at 31st March 1984 as reconciled below * with the Cash Potation	6,52,26,052.11	1,80,68,745.40	1,88,56,586.93	10,21,51,384.44							
..			GRAND TOTAL	21,39,38,17,633.70	3,09,72,37,695.16	1,95,28,80,197.91	26,44,39,35,526.77							
*Bank Reconciliation :																			
Balance as per Bank's Pass Book										2,92,27,636.05	34,50,764.72	1,84,76,822.60	5,11,55,223.37						
Add : Revenue sent to the Bank of 31st March 1984 but acknowledged on 1st April 1984.										1,64,22,135.64	59,15,500.14	25,46,071.34	2,48,83,707.12						
Less : Uncashed Cheques										Dr. 8,64,55,448.02	Dr. 2,52,64,909.24	Dr. 2,00,05,837.40	Dr. 13,17,26,194.66						
Total Bank Position.										Dr. 4,08,05,676.33	Dr. 1,58,98,644.38	Cr. 10,17,056.54	Dr. 5,56,87,264.17						
Balance in Bank as per Day Book (Column No. 10)										..	..	..	..		
Balance in Office, in Government Promisory Notes etc.										2,40,550.00	17,56,305.00	1,72,530.00	21,69,385.00						
Balance in Office in Cash										10,57,91,178.44	568.66	4,359.22	10,57,96,106.32						
Collection kept in office Treasury										..	3,22,10,516.12	1,76,62,641.17	4,98,73,157.29						
Total—Office Position										10,60,31,728.44	3,39,67,389.78	1,78,39,530.39	15,78,38,648.61						
Closing Balance as at 31st March 1984 as shown at above.*										6,52,26,052.11	1,80,68,745.40	1,88,56,586.93	10,21,51,384.44						

APPENDIX No. 27.

IMPROVEMENT SCHEMES

General Account for the year ending 31st March 1984.

Particulars	Amounts	Particulars	Amounts
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 35	7,16,70,982	By Revenue Receipts as per Appendix No. 31	5,18,07,182
		Balance being deficit transferred to Capital Account Balance Sheet.	1,98,63,800
Total	7,16,70,982	Total	7,16,70,982

APPENDIX No. 28

Slum Clearance Account—(City) General Account for the year ending 31st March 1984.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix 36	72,76,163	By Revenue Receipts under— I—Rent and other proceeds of properties.	36,21,497
		II—Interest and Profits on Investments	..
		IV—Transfer of excess in Sinking Fund	..
		Balance being Deficit transferred to Capital Account Balance Sheet.	36,54,666
Total	72,76,163	Total	72,76,163

APPENDIX No. 29.

Slum Clearance Account—(Western and Eastern Suburbs) General Account for the year ending 31st March 1984.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix 37	65,04,870	By Revenue Receipts under— I-(a) Rents and other proceeds properties.	6,65,108
		(b) Receipts from Social Welfare Centre at S. G. Barve Nagar	15,468
		II—Interest and Profits on Investments	..
		III—Miscellaneous Receipts.	1,54,945
		Balance being Deficit transferred to Capital Account Balance Sheet.	56,69,349
Total	65,04,870	Total	65,04,870

APPENDIX No. 30.

Improvement schemes A/c. Slum Improvement General Account for the year ending 31st March 1984.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 38. ...	6,54,88,926	By Revenue Receipts under (i) Hutment Colony ...	3,54,42,783
		(ii) Contribution from Budget 'A' ...	3,00,46,143
		(iii) Subsidy for meeting the deficit ...	...
Total ...	6,54,88,926	Total ...	6,54,88,926

APPENDIX No. 39.

IMPROVEMENT SCHEMES

Capital Account Balance Sheet as on 31st March 1984.

LIABILITIES		Amount		ASSETS		Amount	
Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Loan Outstanding—				Block Accountant —			
(Vide details as shown in appendix No. 57)	..	13,09,28,000.00		Property and Assets at original as per Appendix No. 43	..	41,37,39,878.75	
Loan—Redemption Fund	..	14,95,82,489.06		Less—Assets Credited by—			
Advance from Surplus Money	..	9,90,02,261.96		(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.	..	9,71,38,352.67	
Block 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)	..	47,58,490.04	
Sinking Fund on Loans	..	7,85,91,822.51		Investment—			
Special Funds—				*Sinking Fund In Paper & Cash as per Appendix No. 48	..	7,85,91,822.51	
Investments Reserves Fund	..	2,86,15,814.40		†† Investment Reserve Fund In Securities & Cash	..	2,86,13,814.40	
Amenities Fund	..	42,13,817.98		†† Amenities Fund In Securities & Cash	..	42,13,817.98	
Rent Equalisation Fund	..	1,27,62,363.93		†† Rent Equalisation Fund In Securities & Cash	..	1,27,42,363.93	
Less—							
		50,84,55,059.84					
Revenue Deficit—				Capital Fund—			
Deficit upto 31st March 1983	..	5,14,85,254.76		In Fixed Deposit	..	..
Add Deficit during 1983-84	..	1,98,63,800.18		In Cash	..	..
		7,13,49,054.94					
Total	..	43,71,06,004.90		Total	..	43,71,06,004.90	

Div—I

*For Face, Book and Market Value of Securities held in the Sinking Funds on 31st March 1984, please see Appendix No. 55.

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

††Comparison of Face, Purchase and Market Values as on 31st March 1984 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.		Rs. P.		Rs. P.
Investment Reserve Fund.					
8 314% Rs. 400 Lakhs Bud. 'A' Division III Loan 1983-84.	2,86,15,800.00	Par	2,86,15,800.00	Par	2,86,15,800.00
Total	2,86,15,800.00		2,86,15,800.00		2,86,15,800.00
Amenities Fund.					
8 314% Rs. 400 Lakhs Bud. 'A' Division III Loan 1983-84	42,13,800.00	Par	42,13,800.00	Par	42,13,800.00
Total	42,13,800.00		42,13,800.00		42,13,800.00
Rent Equalisation Fund.					
6% Rs. 250 Lakhs Budget 'A' Division I Loan 1966-67	1,27,62,300.00	Par	1,27,62,300.00	Par	1,27,62,300.00
Total	1,27,62,300.00		1,27,62,300.00		1,27,62,300.00

APPENDIX No. 40

Slum Clearance City

Capital Account Balance Sheet as on 31st March 1984.

LIABILITIES	Amount	ASSETS	Amount
Loan Outstanding (Vide details as shown in Appendix No. 33)	Rs. 5,64,12,421.99	Block Account—	Rs.
Subsidy from Government	1,06,52,426.00	Property and Assets at original cost as per Appendix No. 44	5,41,70,977.72
Sale proceeds up to 31st March 1984	33,028.68	Investment—	
Sinking Fund on Loans	2,02,95,357.26	Sinking Fund as per Appendix No. 49	2,02,95,357.26
Loan Redemption Fund	61,88,494.01	Capital Fund—	
Advance from Surplus monies	2,64,45,983.32	In Fixed Deposit	.....
	12,00,27,711.26	Cash	.....
<i>Less—</i>	Rs.		
Revenue Deficit—			
Deficit upto 31st March 1983	4,19,06,710.03		
<i>Add—</i> Deficit during 1983-84	36,54,666.25		
	—4,55,61,376.28		
Total	7,44,66,334.98	Total	7,44,66,334.98

Appendix No. 41

Slum Clearance Suburbs and Extended Suburbs.

Capital Account Balance Sheet as on 31st March 1984.

LIABILITIES	Amount	ASSETS	Amount
Loan Outstanding (Appendix No. 58)	Rs. 5,24,54,104.00	Block Account—	Rs.
Subsidy from Government	57,82,779.00	Property and Assets at original cost as per Appendix No. 45	4,53,86,623.12
Sinking Fund on loans	1,70,32,216.04	Investment—	
Sale proceeds upto 31st March 1984	41,00,070.09	Sinking Fund as per Appendix No. 50	1,70,32,216.04
Loan Redemption Fund	12,38,873.00	Capital Fund	
Advance from Surplus monies	2,44,45,119.95	In Fixed Deposit	.....
	10,50,53,162.08	Cash	.....
<i>Less—</i>	Rs.		
Revenue Deficit —			
Deficit upto 31st March 1983	3,69,64,974.27		
<i>Add—</i> Deficit during 1983-84	56,69,348.65		
	—4,26,34,322.92		
Total	6,24,18,839.16	Total	6,24,18,839.16

Appendix No. 42

Slum Improvement

Capital Account Balance Sheet as on 31st March 1984.

LIABILITIES	Amount	ASSETS	Amount
	Rs.		Rs.
Loan Outstanding (Appendix No. 54)	2,00,00,000.00	Block Account—	
Sinking Fund on Loan	30,62,706.27	Property and Assets at original cost as per Appendix No. 46	15,95,89,889.01
Grant-in-Aid from Government	6,85,50,708.21	Investment—	
Advance from Surplus monies	7,10,39,680.80	Sinking Fund as per Appendix No. 51	30,62,706.27
	16,26,52,595.28	Capital Fund—	
		In Fixed Deposits	.....
		Cash	.....
Total	16,26,52,595.28	Total	16,26,52,595.28

Appendix No. 43.

IMPROVEMENT SCHEMES

Block account showing details of Capital Expenditure upto 31st March 1984.

Particulars	Total Capital Expenditure upto 31st March 1983	Expenditure during 1983-84	Total Capital Expenditure upto 31st March 1984	Particulars	Total Capital Expenditure upto 31st March 1983	Expenditure during 1983-84	Total Capital Expenditure upto 31st March 1984	
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	
CAPITAL ACCOUNT				Brought over ...				36,74,01,946
Improvement and Street Schemes.				Housing Accommodation ...				1,21,19,922
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	Co t. of 100' wide Rd., from Edward to Jakeria Bn-Road—Acquisition of Port Trust land by B. M. C. ...	28,08,780	...	28,08,780	
Schedule Z Lands ...	8	...	8	Acquisition of Land in survey No. 129, Hissal, Squatters Nos. 130-136 of Ekkar Pahad for housing of disboused tenants as well as displaced Industries in execution of its sanctioned Schemes ...	94,149	13,36,837	94,149	
Scheme No.				Acquisition of Land at Borla village ...	53,38,728	...	66,75,565	
1 First Nagpada ...	29,16,099	...	29,16,099	Acquisition of land bearing C. S. No. 1325 (Part) and 1/325 Lower Parel Division for housing disboused persons as a result of Municipal Scheme ...	1,82,329	...	1,82,329	
2 Princess Srteet ...	85,08,865	...	85,08,865	Acquisition of land at Poisar and Kandivali in Survey No. 94 and 95 (Part) of Poisar Survey Nos. 126, 128 and 129 (Part) of Kandivli ...	3,51,977	...	3,51,977	
3 Sandhurst Road ...	1,16,02,375	...	1,16,02,375	Taking over emploision victim tenements S. P. Sheds at Shantinagar Arthur Road, etc. ...	4,84,801	...	4,84,801	
4 Camdevi ...	22,88,002	...	22,88,002		38,93,57,033	67,74,427	39,61,31,465	
5 Dadar-Matpunga ...	1,00,53,384	...	1,00,53,384	Police Accommodation Schemes.				
6 Sion-Matunga ...	2,06,31,826	...	2,06,31,826	Scheme No.				
7 Colaba Reclamation ...	4,78,538	...	4,78,538	14 First Nagpada ...	84,450	...	84,450	
8 Mandvi-Koliwada ...	26,52,501	...	26,52,501	16 Wodehouse Road ...	3,22,667	...	3,22,667	
11 Agripada ...	3,127	...	3,127	17 Duncan Road ...	58,981	...	58,981	
13 Souther Street Extension—East-wards ...	68,102	...	68,102	18 Shepherd Road ...	36,223	...	36,223	
27 Mathew Road ...	14,11,129	...	14,11,129	19 Agripada ...	1,79,120	...	1,79,120	
29 Nowroji Hill ...	86,57,482	...	86,57,482	23 Connaught Road ...	79,495	...	79,495	
30 Souther Street Extension—West-wards ...	1,30,512	...	1,30,512	24 Princess Street ...	2,65,953	...	2,65,953	
31 Parel Suparibaug Estate ...	91,42,350	...	91,42,350	25 Camdevi ...	1,29,407	...	1,29,407	
32 East Agripada ...	50,59,050	...	50,59,050	34 Lamington Road ...	461,024	...	4,61,024	
33 Bhatwadi ...	3,28,433	...	3,28,433	35 Sandhurst Road West ...	1,46,104	...	1,46,104	
36 Lamington Road ...	2,91,191	...	2,91,191	39 Sandhurst Road East ...	7,58,893	...	7,58,893	
37 Sydenham Road ...	1,40,51,180	...	1,40,51,180	40 Byculla ...	8,28,411	...	8,28,411	
41 Undria Street ...	5,72,800	...	5,72,800	44 Maharbaudi ...	2,71,434	...	2,71,434	
43 Parel Road Central ...	38,97,348	...	38,97,348	45 Palton Road ...	5,71,492	...	5,71,492	
47 Parel Road North ...	52,96,220	...	52,96,220	46 Naigaum ...	5,69,142	...	5,69,142	
49 Nepean Sea Road—Reclamation ...	3,053	...	3,053	48 Mahim ...	45,1,032	...	4,53,032	
50 Mazagaon Street ...	40,68,206	...	40,68,206	53 Chimbunder Road ...	4,32,656	...	4,32,656	
52 Worli Street ...	2,81,18,471	...	2,81,18,471	55A Mazagaon ...	4,53,560	...	4,53,560	
53 Foras Road ...	36,82,045	...	36,82,045	63 King's Circle (Matunga) ...	4,82,185	...	4,82,185	
54 Kolbhatwadi ...	21,79,254	...	21,79,254	67 Naigaum (for Armed Police and Recruits) ...	24,42,031	...	24,42,031	
55 Bellasis Road ...	13,10,069	2,05,433	15,15,502	70 Arthur Road ...	1,58,357	...	1,58,357	
56 Dharavi Street ...	1,88,34,346	...	1,88,34,346		91,84,617	...	91,84,617	
57 Sewri-Wadala ...	5,73,03,055	54,600	5,73,57,659	Mill Company's Chawl Schemes				
58 Worli-Extension ...	1,71,69,755	...	1,71,69,755	Scheme No.				
59 Sewri-Koliwada ...	6,91,392	...	6,91,392	42 Spring Mills ...	5,18,990	...	5,18,990	
60 Naigaum Street ...	76,18,685	...	76,18,685	51 Century Mills ...	1,29,980	...	1,29,980	
61 Ferguson Road ...	15,68,030	...	15,68,030	65 David Mills ...	2,96,852	...	2,96,852	
62 Love Lane ...	16,18,731	...	16,18,731		9,45,822	...	9,45,822	
66 Mahaluxmi ...	4,86,705	...	4,86,705		19,14,87,477	67,74,427	40,26,61,534	
69 Widening of Byculla Bridge... Chaupati Street ...	7,20,290 24,085	...	7,20,290 24,085					
71 Chaupati Reclamation ... East Chaupati Estate ...	1,889 4,380	...	1,889 4,380					
Lump Sum Provision for granting loans to erect buildings on Imp. Scheme lands as provided under Section 354W of the Municipal Act ...	15,040	...	15,040					
72 Tripartite Road ...	2,26,684	...	2,26,684					
73 Palton Road ...	10,37,510	...	10,37,510					
74 Sion Overbridge ...	92,457	...	92,457					
Lump Sum Provision for Acquisition in all Schemes ...	6,136	...	6,136					
Lump Sum provision for Housing Accommodation for poorer classes including revision for acquisition.	1,03,79,7679	51,77,557	10,89,75,236					
Housing of squatters on land Near Monkhard Railway Station ...	8,38,300	...	8,38,300					
Acquisition of Squatters on lands near Jogeshwari ...	7,30,846	...	7,30,846					
76 Lohar Chawl Cully ...	4,53,671	...	4,53,671					
77 Housing Accommodation—For Fishermen at Mahim Causeway ...	459	...	459					
Housing of Squatters Acquisition ...	Cr. 44,351	...	Cr. 44,351					
Housing of Squatters at Vikrol ...	151	...	151					
Construction of Dormitories ...	6,92,736	...	6,92,736					
Acquisition of land at Govandi ...	25,10,218	...	25,10,218					
Carried forward ...	36,74,01,946	54,37,590	37,28,31,536	Carried forward ...	19,14,87,477	67,74,427	40,26,61,534	

Appendix No. 43—(Concl'd.)

Particulars	Total Capital Expenditure upto 31st March 1983	Expenditure during 1983-84.	Total Capital Expenditure upto 31st March 1984.	Particulars	Total Capital Expenditure upto 31st March 1983	Expenditure during 1983-84.	Total Capital Expenditure upto 31st March 1984
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over ...	39,94,87,477	67,74,427	40,62,61,904	Brought over ...	39,99,50,788	67,74,427	40,67,25,215
Slum Clearance.				Brought over ...	7,56,460	...	7,56,460
Preliminary Expenses ...	22,481	...	22,481	Refund to preliminary expenses to Government ...	38,019	...	38,019
Transit Camps for providing alternative housing accommodation to facilitate Slum Clearance—				Preliminary expenses in connection with the Improvements of slum areas ...	68,816	...	68,816
(i) Construction of 244 tenements, etc. ...	2,58,843	...	2,58,843	Provision of a lift in the Improvement Trust Building at Napier Road near Queens Statue ...	12,267	...	12,267
(ii) Construction of 210 tenements etc. ...	1,81,987	...	1,81,987		8,75,562		8,75,562
	4,63,311	...	4,63,311	Discount on Loans ...	14,53,359	—	14,53,359
Miscellaneous.				Expenses in connection with the Loan of Rs. 10 lakhs ...	12,227	—	12,227
Survey of the Island of Bombay... ..	1,06,046	—	1,06,046	Expenses in connection with the repayment of Rs. 25 Lakhs Loan ...	19,504	—	19,504
Administrative Offices, etc.— Building on Esplanade Road near Queen's Statue ...	3,21,562	—	3,21,562	Expenses in connection with the loan raised in 1957-58 ...	62,048	—	62,048
Engineer's Office at 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 Frero Fittetleher School ...	15,656	—	15,656	Part payment of Rs. 25 Lakhs loan of 1926 ...	19,08,494	—	19,08,494
Store yard at Agripada, etc. ...	83,801	—	83,801		61,39,101	—	61,39,101
Workshop for Motor Lorries at Agripada ...	90,368	—	90,368				
Tools and Plant ...	559	—	559				
	7,56,460	...	7,56,460				
Carried forward...	39,99,50,788	67,74,427	40,67,25,215	Grand Total ...	40,69,65,451	*67,74,427	41,37,39,878

* This figure includes Rs. 10,06,060 being the share of cost of Management and Establishment chargeable to Capital Account.

Div.— I

APPENDIX No. 44.

IMPROVEMENT SCHEMES—SLUM CLEARANCE—CITY.

Block account showing details of Capital Expenditure upto 31st March 1984

PARTICULARS	Total Capital Expenditure upto 31st March 1983	Expenditure during 1983-84	Total Capital Expenditure upto 31st March 1984
	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
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 other charges on the loan of Rs. 20 lakhs raised in 1957-58 ..	45,160	..	45,160
Do. on the loan of Rs. 10 lakhs raised in 1958-59 ..	17,721	..	17,721
Miscellaneous expenses including Preliminary expenses (Staff and contingencies in connection with Slum Clearance) ..	38,93,978	250	38,94,228
Construction of bldg. at Bhat Chawl compound at Worli ..	8,16,582	52,424	8,69,006
Total A—Works to be carried out from Municipal Fund ..	78,90,675	52,674	79,43,349
B.—Works to be carried out with the Government Aid—			
Acquisition of land within, adjoining or surrounded by Clearance Areas for re-housing or other development works ..	54,73,593	..	54,73,593
Permanent Housing for Slum Population ..	3,68,68,342	38,85,694	4,07,54,036
Total B—Works to be carried out with the Government Aid ..	4,23,41,935	38,85,694	4,62,27,629
Grand Total* ..	5,02,32,610	39,38,368	5,41,70,978

* 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 1984.

PARTICULARS	Total Capital Expenditure upto 31st March 1983	Expenditure during 1983-84	Total Capital Expenditure upto 31st March 1984
	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			
(b) Chawl and S. P. Chawls ..	2,78,81,102	Cr. 1,18,901	2,77,62,201
Total B.—Works to be carried out with the Government Aid ..	2,78,81,102	Cr. 1,18,901	2,77,62,201
Grand Total ..	4,55,05,524	Cr. 1,18,901	4,53,86,623

APPENDIX No. 46

IMPROVEMENT SCHEMES SLUM IMPROVEMENTS

Block account showing details of Capital Expenditure upto 31st March 1984.

PARTICULARS	Total Capital Expenditure upto 31st March 1983	Expenditure during 1983-84	Total Capital Expenditure upto 31st March 1984
	Rs.	Rs.	Rs.
(a) Construction			
(1) Providing Civic amenities under the environmental improvements Scheme to the existing and newly created hutment Colonies such as concrete passages, Drainage Lighting Sanitary conveniences including Washing places and water supply arrangement. ..	6,81,65,331	1,12,02,399	7,93,67,730
(2) Providing additional amenities to Slum population. ..	5,87,18,645	1,87,79,262	7,74,97,907
(3) Civic amenities such as AP Blocks drains channels, passages to the existing colonies and pitches on Municipal land at Shivaji Nagar, Deonar. ..	20,01,386	4,85,425	24,86,811
(4) Developing the pitches and providing amenities to the hutment dwellers coming in the way of construction of fly over bridge at Goregaon for rehabilitating about 550 hutment dwellers ..	..	2,37,441	2,37,441
Total : ..	12,88,85,362	3,07,04,527	15,95,89,889

APPENDIX No. 52—(Consolidated)

Statement showing outstanding balances of Loans on 31st March 1984, pertaining to Budget 'B'.

Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1984.	Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1984
1	2	3	4	1	2	3	4
			Rs.				Rs.
	Improvement Scheme—				Programme No. 10		
	Loans Raised from the Government.			43	Rs. 1,62,343 Loan, 1966-67	5½%	1,32,233.75
				44	Rs. 2,108 Loan, 1967-68	5½%	1,719.93
				45	Rs. 1,146 Loan, 1967-68	5½%	936.20
				46	Rs. 50,984 Loan, 1968-69	5½%	48,100.91
1	Rs. 100 lakhs Loan 1924	4½%	1,00,00,000.00		Total Prog. 10		1,82,990.79
2	Rs. 70 Lakhs Loan 1925	4½%	70,00,000.00		Programme No. 11		
	Total—Govt. Loans		1,70,00,000.00	47	Rs. 69,426 Loan, 1968-69	5½%	56,620.36
				48	Rs. 75,936 Loan, 1969-70	5½%	61,923.04
				49	Rs. 13,725 Loan, 1970-71	6½%	11,419.15
	Loans raised from Public—				Total—Prog. 11		1,29,962.55
3	Rs. 19.28 out of Rs. 19.39 Lakhs Loan, 1956-57	4%	19,28,000.00		Total—Govt. Loans		58,76,421.99
4	Rs. 50 Lakhs Loan, 1959-60	4%	50,00,000.00		Loan raised from the Public—		
5	Rs. 70 Lakhs Loan, 1960-61	4½%	70,00,000.00	50	Rs. 25 Lakhs Loan, 1959-60	4%	25,00,000.00
6	Rs. 50 Lakhs Loan, 1961-62	4½%	50,00,000.00	51	Rs. 50 Lakhs Loan, 1961-62	4½%	50,00,000.00
7	Rs. 100 Lakhs Loan 1962-63	4½%	1,00,00,000.00	52	Rs. 30 Lakhs Loan, 1964-65	4½%	30,00,000.00
8	Rs. 50 Lakhs Loan, 1963-64	4½%	50,00,000.00	53	Rs. 50 Lakhs Loan, 1966-67	6%	50,00,000.00
9	Rs. 100 Lakhs Loan, 1965-66	6%	1,00,00,000.00	54	Rs. 25 Lakhs Loan, 1971-72	6%	25,00,000.00
10	Rs. 50 Lakhs Loan, 1966-67	6%	50,00,000.00	55	Rs. 50 Lakhs Loan, 1972-73	6%	50,00,000.00
11	Rs. 50 Lakhs Loan, 1967-68	6%	50,00,000.00	56	Rs. 50 Lakhs Loan, 1973-74	6%	50,00,000.00
12	Rs. 75 Lakhs Loan, 1968-69	6%	75,00,000.00	57	Rs. 75 Lakhs Loan, 1975-76	6½%	75,00,000.00
13	Rs. 250 Lakhs Loan 1976-77	6½%	2,50,00,000.00	58	Rs. 100 Lakhs Loan, 1976-77	6½%	1,00,00,000.00
14	Rs. 275 Lakhs Loan 1977-78	6½%	2,75,00,000.00	59	Rs. 50 Lakhs Loan 1977-78	6½%	50,00,000.00
	Total—Public Loans		11,39,28,000.00		Total—Public Loans		5,05,00,000.00
	Total—Improvement Scheme		13,09,28,000.00		Total—Slum Clearance (City)		5,63,76,421.99
	Slum Clearance—City—				Slum Clearance—Suburbs & Ext. Suburbs—		
	Loans raised from the Govt.				Loan raised from the Govt.—		
	Programme No. 1			60	Programme No. 2		
15	Rs. 9,50,997 Loan, 1957-58	4½%	6,55,877.50	61	Rs. 307,000 Loan, 1959-60	4½%	2,45,165.73
16	Rs. 6,12,000 Loan, 1958-59	4½%	4,22,080.29	62	Rs. 5,84,000 Loan, 1960-61	4½%	4,66,364.97
17	Rs. 2,73,000 Loan, 1959-60	4½%	1,88,283.04	63	Rs. 3,54,375 Loan, 1962-63	5½%	2,89,355.73
18	Rs. 1,85,000 Loan, 1960-61	4½%	1,27,589.70	64	Rs. 1,67,625 Loan, 1963-64	5½%	1,36,871.12
19	Rs. 5,04,000 Loan, 1961-62	4½%	3,22,767.21	65	Rs. 2,43,364 Loan, 1964-65	5½%	1,98,717.51
20	Rs. 2,64,529 Loan 1962-63	5½%	1,88,475.84		Rs. 11,599 Loan, 1966-67	5½%	9,461.80
21	Rs. 2,50,971 Loan, 1963-64	5½%	1,78,815.82		Total—Prog. 2		13,45,936.86
22	Rs. 47,250 Loan, 1964-65	5½%	33,665.51	66	Rs. 1,62,000 Loan, 1960-61	4½%	84,824.00
23	Rs. 2,20,355 Loan, 1964-65	5½%	1,57,020.99	67	Rs. 9,72,000 Loan, 1961-62	4½%	5,08,942.48
24	Rs. 50,504 Loan, 1965-66	5½%	35,732.72	68	Rs. 1,00,182 Loan, 1962-63	5½%	54,961.24
25	Rs. 73 Loan, 1965-66	5½%	51.72	69	Rs. 7,818 Loan, 1963-64	5½%	4,289.92
26	Rs. 568 Loan 1968-69	5½%	402.00		Total—Prog. 3		6,53,017.64
	Total—Prog. 1		23,10,743.44		Programme No. 4		
	Programme No. 2			70	Rs. 4,65,300 Loan 1963-64	5½%	3,79,939.61
27	Rs. 94,500 Loan, 1961-62	4½%	75,459.40	71	Rs. 1,08,900 Loan 1964-65	5½%	88,923.93
	Total—Prog. 2		75,459.40	72	Rs. 4,75,911 Loan 1964-65	5½%	3,88,561.55
	Programme No. 3			73	Rs. 1,31,267 Loan 1965-66	5½%	1,07,047.76
28	Rs. 9,00,000 Loan 1960-61	4½%	4,71,254.34	74	Rs. 1,53,917 Loan 1965-66	5½%	1,25,520.98
29	Rs. 62,037 Loan 1962-63	5½%	34,034.51	75	Rs. 1,07,739 Loan 1965-66	5½%	87,859.60
30	Rs. 9,963 Loan 1963-64	5½%	5,466.25	76	Rs. 1,06,343 Loan 1965-66	5½%	86,720.62
	Total—Prog. 3		5,10,755.10	77	Rs. 1,28,865 Loan 1966-67	5½%	1,05,088.96
	Programme No. 4			78	Rs. 66,705 Loan 1967-68	5½%	54,411.43
31	Rs. 3,69,600 Loan, 1963-64	5½%	3,01,797.78	79	Rs. 12,159 Loan, 1967-68	5½%	9,920.20
32	Rs. 1,84,800 Loan, 1964-65	5½%	1,50,898.91	80	Rs. 22,388 Loan 1968-69	5½%	18,262.45
	Total—Prog. 4		4,52,696.69	81	Rs. 3,519 Loan 1968-69	5½%	2,872.11
	Programme No. 5				Total Prog. 4		14,55,149.50
33	Rs. 1,53,900 Loan, 1966-67	5½%	1,08,903.60		Total Govt. Loan		34,54,104.00
34	Rs. 10,190 Loan, 1967-68	5½%	7,209.67		Loans raised from the Public—		
35	Rs. 6,910 Loan, 1967-68	5½%	4,888.88	82	Rs. 50 Lakhs Loan 1962-63	4½%	50,00,000.00
36	Rs. 57,000 Loan, 1968-69	5½%	40,328.92	83	Rs. 50 Lakhs Loan 1963-67	6%	50,00,000.00
	Total—Prog. 5		1,61,331.07	84	Rs. 50 Lakhs Loan 1967-68	6%	50,00,000.00
	Programme No. 9			85	Rs. 25 Lakhs Loan 1963-69	6%	25,00,000.00
37	Rs. 6,10,818 Loan, 1966-67	5½%	4,98,121.32	86	Rs. 40 Lakhs Loan 1973-74	6%	40,00,000.00
38	Rs. 5,73,378 Loan, 1967-68	5½%	4,67,902.97	87	Rs. 100 Lakhs Loan 1975-76	6½%	1,00,00,000.00
39	Rs. 7,28,110 Loan, 1968-69	5½%	5,93,766.13	88	Rs. 125 Lakhs Loan 1976-77	6½%	1,25,00,000.00
40	Rs. 1,00,518 Loan, 1968-69	5½%	81,977.68	89	Rs. 50 Lakhs Loan 1977-78	6½%	50,00,000.00
41	Rs. 1,04,516 Loan, 1969-70	5½%	85,241.61		Total—Public Loans		4,93,00,000.00
42	Rs. 3,91,293 Loan, 1970-71	6½%	3,23,423.71		Total—Slum Clearance (Subs. & Ext. Subs.)		5,24,54,114.00
	Total—Prog. 9		10,52,442.55		Slum Improvement		
					Loans raised from Public—		
				90	Rs. 100 Lakhs Loan 1976-77	6½%	2,00,00,000.00
					Total—Slum Improvement		2,00,00,000.00
					Grand Total—Budget 'B'		5,87,58,335.99

**APPENDIX No. 59
EDUCATION FUND**

Revenue Account for the year ended 31st March 1984.

Particulars			Particulars	Total	
	Rs.	P.		Rs.	P.
To Revenue Expenditure ...	42,84,33,697.29		By Revenue Receipts ...	42,50,43,165.70	
			By Revenue Deficit during the year. ..	33,90,531.59	
Total ...	42,84,33,697.29		Total ...	42,84,33,697.29	
To Revenue Expenditure to be incurred in 1984-85 and provided for as Renewed Grants...	2,26,00,000.00		By Surplus Revenue Fund as at 1st April 1983		
To Revenue Deficit during the year 1983-84. ..	33,90,531.59		Total ...	2,22,97,343.86	
To Balance being Surplus Revenue Fund as at 31st March 1984 ...	1,61,56,812.27		By Revenue of previous years reserved for the year 1983-84 ...	1,98,50,000.00	
Total ...	4,21,47,343.86		Total ...	4,21,47,343.86	

Div.—I

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APPENDIX No. 62

EDUCATION FUND

Revenue Account Balance Sheet as at 31st March 1984.

Liabilities.		Assets	
	Rs. P.		Rs. P.
Due on Cheques Payable ...	25,04,214.05	Cash at Bank Rs. 1,12,38,297.81 Cash in Office Rs. 18,51,379.81	1,30,89,677.62
Due on Outstanding Charges on account of Interest Accrued but Not Paid (Appendix-69) ...	34,38,956.60	Education Loan Interest Warrants Payable Account.	2,505.50
Unclaimed Dues & Deposits (Refundable) Account (Appendix-67-A) ...	3,89,604.70	Advances—Appendix No. 67	1,61,36,436.00
Deposits in Cash and Public Securities from Contractors and Private Parties... (Appendix-68)	2,73,27,956.67	Deposits— In Securities ... Rs. 25,000.00 In Office ...	25,000.00
Interest on Loans Payable A/c. (Appendix No. 65) ...	70,735.25	Amount held in Budget 'A' Div.—I ...	64,14,618.50
Endowment Fund (Appendix-72) ...	4,96,812.54	Advance from Surplus monies for Capital Works	2,87,60,993.83
Due on Outstanding Charges for 1983-84 and previous year ...	2,26,00,000.00	Investments— Endowment Fund— (Appendix-72) In securities Rs. 4,74,571.53 In Fixed Deposit Rs. 22,200.00 In cash Rs. 41.01	4,96,812.54
Surplus Revenue Fund (Vide Appendix No. 59) ...	1,6,56,812.27	Surplus Fund— In Securities* Rs. 80,58,363.92	
Total ...	7,29,85,092.08	In Call Deposit ... In Cash at Bank Rs. 684.17	80,59,048.09
		Total ...	7,29,85,092.08

* Details of Securities held in Surplus Fund

	Face Value	Book Value
	Rs.	Rs.
7% Rs. 100 Lakhs B.M.D. Budget F (Internal) Loan 1981-82	80,57,800.00	80,57,800.00
3% Conversion Loan 1946-86	700.00	563.92
	80,58,500.00	80,58,363.92

APPENDIX No. 63
EDUCATION FUND

Capital Fund Balance Sheet as at 31st March 1984.

Liabilities			Assets	
	Rs.	P.	Rs.	P.
Loans Outstanding—			Block Account—Appendix 64	
Due to Public ...	26,25,50,000.00		Loan Funds ...	37,07,66,498.69
Trust Fund ...		694.31	Trust Fund ...	2,08,755.42
Surplus—			Investment—	
Sinking Fund ...	6,98,52,818.62		Sinking Fund—Appendix 66 and 71	
Contribution from Trust Fund ...	2,08,755.42		In Securities Rs. 6,98,52,741.23	
Contribution from Government ...	10,00,000.00		In cash at Bank Rs. 77.39	6,98,52,818.62
Advance from Surplus Monies for meeting Capital Expenditure pending raising of Loans ...	2,87,60,993.83		Trust Fund	
Loan Redemption Fund Rs. 7,87,00,000.00			In Cash ...	694.31
Less—			Loan Fund	
Assets written off Rs. 2,44,495.14	7,84,55,504.86		In Securities Rs. ...	
			In cash at Bank Rs. ...	
Grand Total ...	44,08,28,767.04		Grand Total...	44,08,28,767.04

APPENDIX No 64

Statement showing Capital Works Expenditure upto 31st March 1984.

Education Fund.

Capital Account	Total Capital Works Expenditure upto 31st March, 1983.	Capital Works Expenditure during 1983-84.	Total Capital Works Expenditure upto 31st March 1984.
	Rs.	Rs.	Rs.
Loan Funds.			
City Section ...	12,05,18,123.74	90,11,731.11	12,95,29,854.85
Western Suburban Section ...	15,58,88,566.06*	2,11,83,000.74	17,70,71,566.80
Eastern Suburban Section ...	4,90,58,794.66	1,51,06,282.38	6,41,65,077.04
Total-Loan Fund ...	32,54,65,484.46	4,53,01,014.23	37,07,66,498.69
Trust Fund ...	2,08,755.42	...	2,08,755.42
Grand Total ...	32,56,74,239.88	4,53,01,014.23	37,09,75,254.11

Div.—I

* This includes the Eastern Sub. Capital Expenditure in respect of Works Completed upto 31-3-1982.

APPENDIX
EDUCATION

Statement showing outstanding Loans due by the Municipal Corporation the Interest out standing on 1st April 1983 and Office during that year and the balance outstanding on 31st March 1984.

Particulars of Loans.	Rate of Interest percent. p.a.	Balance due on 1-4-1983	Amount raised in 1983-84	Total	Amount repaid in 1983-84
(1)	(2)	(3)	(4)	(5)	(6)
		Rs.	Rs.	Rs.	Rs.
Loans from Public					
(1) Rs. 33 Lakhs Loan (1971-72) ..	6	33,00,000	..	33,00,000	33,00,000
(2) Rs. 82.5 Lakhs Loan (1972-73) ..	6	82,50,000	..	82,50,000	..
(3) Rs. 110 Lakhs Loan (1973-74) ..	6	1,10,00,000	..	1,10,00,000	..
(4) Rs. 110 Lakhs Loan (1974-75) ..	6½	1,10,00,000	..	1,10,00,000	..
(5) Rs. 55 Lakhs Loan (1975-76) ..	6½	55,00,000	..	55,00,000	..
(6) Rs. 55 Lakhs Loan (1976-77) ..	6½	55,00,000	..	55,00,000	..
(7) Rs. 220 Lakhs Loan (1977-78) ..	6½	2,20,00,000	..	2,20,00,000	..
(8) Rs. 253 Lakhs Loan (1978-79) ..	6½	2,53,00,000	..	2,53,00,000	..
(9) Rs. 275 Lakhs Loan (1979-80) ..	6½	2,75,00,000	..	2,75,00,000	..
(10) Rs. 55 Lakhs Loan (1980-81) ..	7	55,00,000	..	55,00,000	..
(11) Rs. 110 Lakhs Loan (1981-82) ..	7½	1,10,00,000	..	1,10,00,000	..
(12) Rs. 220 Lakhs Loan (1982-83) ..	7½	2,20,00,000	..	2,20,00,000	..
(13) Rs. 302.5 Lakhs Loan 1983-84 ..	8½	..	3,02,50,000	3,02,50,000	..
Total Loans from Public		15,78,50,000	3,02,50,000	18,81,00,000	33,00,000
Loans from Internal Funds					
(14) Rs. 10 Lakhs Loan (1960-61) ..	4½	10,00,000	..	10,00,000	..
(15) Rs. 10 Lakhs Loan (1961-62) ..	4½	10,00,000	..	10,00,000	..
(16) Rs. 25 Lakhs Loan (1962-63) ..	4½	25,00,000	..	25,00,000	..
(17) Rs. 12.5 Lakhs Loan (1963-64) ..	4½	12,50,000	..	12,50,000	..
(18) Rs. 25 Lakhs Loan (1966-67) ..	6	25,00,000	..	25,00,000	..
(19) Rs. 25 Lakhs Loan (1967-68) ..	6	25,00,000	..	25,00,000	..
(20) Rs. 20 Lakhs Loan (1968-69) ..	6	20,00,000	..	20,00,000	..
(21) Rs. 20 Lakhs Loan (1971-72) ..	6	20,00,000	..	20,00,000	..
(22) Rs. 100 Lakhs Loan (1972-73) ..	6	1,00,00,000	..	1,00,00,000	..
(23) Rs. 50 Lakhs Loan (1974-75) ..	6½	50,00,000	..	50,00,000	..
(24) Rs. 50 Lakhs Loan (1975-76) ..	6½	50,00,000	..	50,00,000	..
(25) Rs. 150 Lakhs Loan (1976-77) ..	6½	1,50,00,000	..	1,50,00,000	..
(26) Rs. 50 Lakhs Loan (1976-77) ..	6½	50,00,000	..	50,00,000	..
(27) Rs. 30 Lakhs Loan (1977-78) ..	7½	30,00,000	..	30,00,000	..
(28) Rs. 100 Lakhs Loan (1978-79) ..	6½	1,00,00,000	..	1,00,00,000	..
(29) Rs. 100 Lakhs Loan (1981-82) ..	7	1,00,00,000	..	1,00,00,000	..
Total Loans from Internal Funds		7,77,50,000	..	7,77,50,000	..
Grand Total :		23,56,00,000	3,02,50,000	26,58,50,000	33,00,000

NO. 65

FUND

on the different Loans, the amount payable for the year 1982-83, the amounts paid by the State Bank of India

Balance due on 31st March 1984	Inte est outstanding on 1-4-1983	Interest payable in 1983-84	Total Interest due	Deduct Intered paid by the State Bank of India and in Office.	Interest Outstanding as on 31st March 1984
(7)	(8)	(9)	(10)	(11)	(12)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	1,98,000.00	1,98,000.00	1,98,000.00	..
82,50,000	8,055.00	4,95,000.00	5,03,055.00	4,99,050.00	4,005.00
1,10,00,000	..	6,60,000.00	6,60,000.00	6,60,000.00	..
1,10,000.00	..	6,87,500.00	6,87,500.00	6,87,500.00	..
55,00,000	53,125.00	8,43,750.00	3,96,875.00	3,43,144.75	53,730.25
55,00,000	1,187.52	3,43,750.00	3,44,937.52	3,44,937.49	0.03*
2,20,00,000	..	13,75,000.00	13,75,000.00	13,75,000.00	..
2,53,00,000	..	16,44,500.00	16,44,500.00	16,31,500.00	13,000.00
2,75,00,000	..	18,56,250.00	18,56,250.00	18,56,250.00	..
55,00,000	..	3,85,000.00	3,85,000.00	3,85,000.00	..
1,10,00,000	..	7,97,500.00	7,97,500.00	7,97,500.00	..
2,20,00,000	..	16,50,000.00	16,50,000.00	16,50,000.00	..
3,02,50,000
18,48,00,000	62,367.52	1,04,36,250.00	1,04,98,617.52	1,04,27,882.24	70,735.25 0.03
10,00,000	..	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	3,12,500.00	..
1,50,00,000	..	9,37,500.00	9,37,500.00	9,37,500.00	..
50,00,000	..	3,12,500.00	3,12,500.00	3,12,500.00	..
30,00,000	..	2,25,000.00	2,25,000.00	2,25,000.00	..
1,00,00,000	..	6,50,000.00	6,50,000.00	6,50,000.00	..
1,00,00,000	..	7,00,000.00	7,00,000.00	7,00,000.00	..
7,77,50,000	..	48,46,875.00	48,46,875.00	48,46,875.00	..
26,25,50,000	62,367.52	1,52,83,125.00	1,53,45,492.52	1,52,74,757.24	70,735.25 0.03*

* Treated as Saving.

Div.B-I

APPENDIX No. 70—(Contd.)

EXPENDITURE—A. REVENUE ACCOUNT		Rs.	P
A.—General Supervision and Administration	...	96,47,855	17
B.—Municipal Primary Schools	...	33,39,58,476	59
C.—Private Primary Schools	..	2,02,39,628	72
D.—Medical Inspection of School Children	..	43,17,175	22
E.—Enforcement of Compulsion	..		
F.—Educational Activities	...	27,25,814	77
G.—Pension and Provident Fund	...	2,86,79,210	00
I.—New Works	..	2,04,450	56
J.—Debt Charges	..	2,61,98,176	45
K.—Training Facilities for Municipal Teachers	...	97,833	79
L.—Proportionate Cost of Collection of Education Cess	...	10,44,206	27
M.—Extra-Curricular Activities	...	4,16,752	45
O.—Proportionate Cost of C.E.'s Central Planning Staff	...	5,52,164	66
P.—Lumpsum provision for payment of arrears on account of Revision of grades	...		
T.—Lumpsum provision for Deposit linked Insurance Scheme	...	3,5,95	64
Total—Revenue Expenditure		42,84,33,697	29
EXPENDITURE—B.—CAPITAL ACCOUNT			
(1) Loan Funds—	..	4,53,01,014	23
(2) Trust Fund	..		
Total—Capital Expenditure		4,53,01,014	23
EXPENDITURE—C.—SUSPENSE ACCOUNT			
Advances to Municipal Officers—			
(a) Standing Advances for Contingent expenditure	..	74,251	90
(b) Motor Cars and Motor Cycles to Officers	..	17,500	00
Dishonoured Cheques	..	17,062	68
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	...	1,52,58,953	16
Total—Advances		1,53,67,767	74
Paper and Cash Account—State Bank of India and other Local Banks including paper Deposits in Office Custody—			
Sinking Fund (Paper and Cash) Account	...	1,41,85,24	19
Endowment Fund (Paper and Cash) Account	..	38	82
Loan Fund (Paper and Cash) Account	...		
Surplus Fund (Paper and Cash) Account	...	1,31,49,858	03
Sundry Deposits Account	...	3,400	00
Total—Paper and Cash		2,73,38,511	04
Deposit Account	...	1,01,53,420	22
Provident Fund	...	3,24,53,555	10
Pension Fund	...	83,19,773	69
Gratuity Fund	...	3,78,052	31
Cheques Payable	...	40,44,39,260	43
Wages Deposit Account	..		
Amount transferred from Education Fund A/c to Municipal General Fund Budget A	...	44,17,41,119	34
Endowment Fund Account	..	525	10
Sinking Fund Account Education	..	1,34,77,158	84
Education Loan Interest Warrants—Payable Account	..	1,04,74,567	74
Interest Accrued but not paid	..	68,200	00
Interest Receivable Account	...		
Investment of Surplus Monies in Public Securities	..		
Advance from Surplus Monies for financing Capital Works Expenditure pending raising of New Loans	..	1,50,51,014	23
Repayment of Loan Account	..	33,00,000	00
Unclaimed Dues and Deposits (Refundable) Account	..	52,860	00
Interest on Loans Payable A/c	..	24,646	27
Total—Deposits etc.		93,99,34,153	34
Total—Suspense Expenditure		98,26,40,437	12

APPENDIX No. 70—(Contd.)

SUMMARY

Receipts		Account	Disbursements.	
Rs.	P.		Rs.	P.
1,13,97,823.66		Opening Balance on 1st April 1983—		
42,50,43,165.70		A.— Revenue Account ..	42,84,33,697.29	
4,53,01,014.23		B.— Capital Account ..	4,53,01,014.23	
98,77,23,511.98		C.— Suspense Account ..	98,26,40,432.12	
1,45,80,67,691.91		Closing Balance on 31st March 1984. ..	1,45,63,75,143.64	
1,46,94,65,515.57		Total ..	1,30,90,371.93	
			Rs.	P.
		£ Banks Reconciliation—		
		Balance as per Bank's Pass Book ..		1,792.79
		Add—'Revenue sent to the Bank on 31st March 1984 but acknowledged on 1st April 1984. ..	1,43,21,865.33	
		Total ..	1,43,23,658.12	
		Less : Uncashed cheques. ..	30,84,666.00	
		Balance as per Day Book (Col. No. 10) ..	1,12,38,992.12	
		Balance in Office in Government Promissory Notes etc. ..		
		Balance in Office in Cash ..		0.31
		Collection kept in office ..	18,51,379.50	18,51,379.81
		Closing Balance as shown at above ..		1,30,90,371.93

REVENUE AND ELECTIONS

(Assessment and Collection Department)

HIGH LIGHT—

I—Money spent on—

(Rs. in lacs).

	City	Suburbs & Extended Subs.	Octroi	Total.
	Rs.	Rs.	Rs.	Rs.
(i) Establishment.	160.44	138.11	145.07	443.62
(ii) Other Expenditure.	23.22	11.82	8.61	43.65
(iii) Commission to collecting agencies.	..	—	28.62	28.62

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 64.73 Crores as compared with last year, the details whereof are as under :—

(Rs. in Crores).

Property taxes including wheel tax.			Octroi.			
Collection made in 1982-83.	Collection made in 1983-84.	Excess	Collection made in 1982-83.	Collection made in 1983-84.	Excess.	Total Excess
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
111.05	132.97	21.92	120.68	163.49	42.81	64.73

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

There was a marked improvement in the total tax collection including Government taxes during the year under report in as much as the Department brought Rs. 151.90 Crores as against Rs. 128.22 Crores during the previous year.

The total demand of Municipal Property taxes, including water charges and wheel tax was Rs. 211.43 Crores whereas the total outstanding which includes arrears of past and previous years was Rs. 78.46 Crores. These arrears include settled demand as well as unsettled demand. 50% of these arrears is generally recovered during the subsequent year and balance amount remains locked up on account of various reasons shown under the statement (Appendix No. 8).

The finalisation of Rateable Value of Railway properties for the period from 1st April 1959 onwards is under process. 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 also in progress.

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

Building Repairs Cess :—Repairs Cess collected during the year 1983-84 was Rs.6.17 Crores.

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

Under the aforesaid Act, the State Government has levied from 1-4-74 retrospectively a tax on residential premises having floorage of more than 125 Sq. Mtrs. and the Rateable Value thereof being more than Rs. 1,500/- at the rate of 10% of the Rateable value per year. The work of levy and recovery of this tax is entrusted to Assessment & Collection Department. The department has collected Rs. 59,94,000/- during the year 1983-84.

Octroi :—In 1983-84 the rates of Octroi continued to be the same except for the items i. e. Nos. 4, 18, 22A, 22(AA), 38, 39, 47, 48, 49, 53, & 59 which were increased with a view to augment the Municipal Revenue.

Octroi collection during the year 83-84 amounted to Rs. 163.49 Crores as against the amount of Rs. 120.68 Crores during the year 1982-83. This shows an increase of Rs. 42.81 Crores in Octroi collection in 1983-84 over the octroi Collection for the year 1982-83,

Figures are shown hereunder for comparison :—

(Figures in Crores).

	Years			Increase over 1982-83
	1981-82	1982-83	1983-84	
	Rs.	Rs.	Rs.	
(1) Gross Collection	93.97	120.68	163.49	+42.81
(2) Less Refunds.	8.28	12.88	15.61	+2.73
(3) Net Revenue	85.69	107.80	147.88	+40.08
(4) Fees for stamping.	0.006	0.007	0.017	+0.010
(5) Fees in respect of Refunds.	0.92	1.34	1.84	+0.50
(6) Departmental Collection.	64.42	81.22	114.08	+32.86

1,48,423 claims for refund of Octroi on goods exported out of Greater Bombay, were received, during 1983-84, as compared to 1,43,358 claims received in the year 1982-83.

Election Branch :

A full-fledged Election Office established on temporary basis on 20-1-1982 for the preparations in connection with the Municipal General Elections, continued to be in existence during the year under report on 6th floor of Municipal Head Office Extension Building, Mahapalika Mrag Fort, Bombay-400 001.

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

During the year under report, the final boundaries of the newly constituted 170 Municipal election wards were published in Government Gazette Extra-ordinary No.33 dated 20th August, 1983.

Further, as per Maharashtra Ordinance No. XVIII of 1983, published in Government Gazette Extra-ordinary No. 61 dated 25-10-1983 (which was later replaced by Maharashtra Act No. XLIII of 1983), the Bombay Municipal Corporation Act was amended, so as to —

(a) reduce the period of giving directions on the applications received for inclusion of names etc. in the draft ward rolls from 45 days to 30 days by amending the provisions of Section 19(1)(b) of the Bombay Municipal Corporation Act,

(b) reduce the period of notice fixing ward elections from at least 15 days to at least 7 days before the day fixed for a ward election by amending the provisions of section 25 of the Bombay Municipal Corporation Act.

(c) Provide for a period of not less than 21 days between the day of 'election' and day of 'poll' by adding a new sub-section to section 25 and by amending section 27 of the Bombay Municipal Corporation Act.

(d) provide for prohibition of public meetings on the day preceding the day of poll and on the day of poll by adding a new section 27AA to the Bombay Municipal Corporation Act.

(e) make provision to the effect that votes shall be given by ballot in such manner as may be prescribed by the rules made under section 29 by amending the provisions of section 28 of Bombay Municipal Corporation Act.

and (f) make provisions enabling the Municipal Commissioner to authorise any officer not below the rank of Asstt. Assessor and Collector, with a view to decentralize and distribute the work of (i) receipt, scrutiny and acceptance of nomination papers, (ii) allotment of symbols, counting of votes recorded on postal ballot papers and declaration of results, by adding sub-section (4) to section 68 of the Bombay Municipal Corporation Act.

Thereafter as per the provisions of section 119 of the Bombay Municipal Corporation Act the Assembly Roll for Greater Bombay finally published on 21-11-1983 was adopted and divided into sections corresponding to 170 newly constituted wards. Then draft ward rolls were published on 28-11-1983 and were kept open for public inspection and for filling claims for inclusion correction, transposition etc. of names therein from 28-11-1983 to 13-12-1983 with a view to prepare final municipal election roll. Designated Officers were also appointed by State Government to process about 70 000 claims so received during the aforesaid period. According to the orders passed by these designated officers on the claim applications Corrigneda and Addenda was prepared to Draft Ward Rolls. However the final municipal roll was not published.

New Election Rules were also framed and got approved from the Corporation and thereafter got sanctioned from the State Government under Urban Development Department Government Resolution No. BMC-1183/757/CR-50/UD-2 dated 26th December 1983.

By Maharashtra Act No.VII of 1984 published in Government Gazette Extra-ordinary No.8 dated 30-3-1984 the provisions of Bombay Municipal Corporation Act were further amended by adding therein new sections 7A and 7B so as to empower the State Government to appoint an Administrator to manage the affairs of the Corporation and all the municipal authorities under the Bombay Municipal Corporation Act by issue of an order to that effect. Accordingly the Government of Maharashtra by an order issued in Government Gazette Extra-ordinary No. 11 dated 31-3-1984 directed that all Councillors including Mayor should vacate their offices from the noon of the first day of April 1984 and appointed Shri D. M. Sukthankar the then Municipal Commissioner as an Administrator to manage the affairs of the Corporation and all other municipal authorities from the said date.

Various persons had filed 31 Election Petitions in the Small Causes Court, under the provisions of section 33 of the Bombay Municipal Corporation Act, against the results of the Municipal General Elections 1978. Out of these 31 petitions 2 election petitions were pending at the beginning of the year 1983-84. No election petition was disposed of during the year under report. Thus, two petitions have still remained undisposed.

B. B. POL,
Assessor and Collector.

APPENDIX No. 1

RATES OF TAXATION.

Nature of tax.	Percentage	Remarks.
(1) General Tax (including Fire Tax 1½%)	25.50 %	In the areas of City, and subs.
(2) Water Tax	— 7% upto 17-4-83. and 9% from 18-4-83 onwards.	Do.
(3) Water Benefit Tax	.. 5% upto 17-4-83 and 6% from 18-4-83 onwards.	Do.
(4) Sewerage Tax	.. 4% upto 17-4-83 and 5% from 18-4-83 onwards.	Do.
(5) Sewerage Benefit Tax	.. 3% upto 17-4-83 and 4% from 18-4-83 onwards.	Do.
(6) Education Cess.	.. ½% For Rateable Value between Rs. 1/- and Rs. 74/- 2½% For R. V. between Re. 75/- and Re. 299/- 3% For R. V. between Rs. 300/- and Rs. 4,999/- 5% For R. V. Rs. 5,000/- and above.	
(7) State Education Cess :—		
Slabs of Annual letting value.		In respect of land or bldgs. used or intended to be used for residential purpose. In respect of land and bldgs. used or intended to be used for non-residential purpose.
(1) On R. V. Rs. 1/- to 74/-.	..	Nil. Nil.
(2) Rs. 75/- or more but not more than Rs. 150/-.	.. 2% of Retable Value.	4% of Retable Value.
(3) More than Rs. 150/- but less than Rs. 300/-	.. 3% ..	6%
(4) Rs. 300/- or more but less than Rs. 3,000/-.	.. 4% ...	8%
(5) Rs. 3,000/- or more but less than Rs. 6,000/-.	.. 5% ..	10%
(6) Rs. 6,000/- or more.	.. 6% ..	12%
(8) Water Chrges by Meter measurement in case of properties metered.		The rates charged for supply of Water by meter measurement ranged between Rs. 3.00 to Rs. 60/- per 10,000 litres according to the user of property.
(9) Sewerage charges in case of properties metered and sewerred.	..	50% of the amount of water charges billed where properties were metered.
(10) Employment Guarantee Cess.	..	At ¼ the rate at which State Education Cess is levied on non-residential portion of land or building

APPENDIX No. 2

Statement showing the position of properties during the year 1983-84.

Properties.	City	Subs. and Extd. Subs.	Total
(1) Properties as on 31-3-1984.	.. 62,046	1,58,720	2,20,766
(2) Properties exempted from G. T.	— 4,374	2,256	6,630
(3) Properties newly assessed.	.. 405	2,600	3,005
(4) Properties enlarged.	.. 1,099	3,010	4,109
(5) Properties demolished.	.. 169	462	631

APPENDIX No. 3

Statement of Rateable Value as on 31-3-84. rates of R. V. per head etc.

	City	Subs. & Extd. Subs.	Total
	Rs.	Rs.	Rs.
(1) Rateable Value	.. 92,67,71,865/-	98,40,84,710	1,91,08,56,575/-
(2) Population (1981 Census).	.. 32,58,117	49,69,215	82,27,332
(3) Rate per head of population.	.. 284.46	198.04	232.26
(4) Complaints against R. V.	.. 1,340	6,664	7,404
(5) Percentage of Reduction in R. V.	.. 8.59%	12.70%	10.81%
(6) Appeals received against R. V.	.. 671	1,337	2,008
(7) Appeals pending against R. V.	.. 629	1,311	1,940

APPENDIX No. 4.

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

(Amount in Crores)

	Nature of Tax.	Year.	Total Net Demand.	Collection.	Percentage.	Outstandings	Percentages.
			Rs.	Rs.	Rs.	Rs.	Rs.
City	.. Property Tax	1981-82	71.49	50.86	71.14%	20.63	28.86%
Extd. Subs.	.. ..	..	81.60	47.75	58.52%	33.85	41.48%
City	.. ..	1982-83	75.40	51.28	68.01%	24.12	31.99%
Subs. & Extd. Subs.	.. ..	..	93.77	57.80	61.64%	35.97	38.36%
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	.. Wheel Tax	1981-82	5.60	1.34	23.92%	4.26	76.08%
Extd. Subs.	.. ..	..	3.54	0.53	15.00%	3.01	85.00%
City	.. ..	1982-83	6.35	1.38	21.73%	4.97	78.27%
Subs. & Extd. Subs.	.. ..	..	4.01	0.59	14.71%	3.42	85.29%
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	Subs. & Extd. Subs.	Total	
				Rs.	Rs.	Rs.	
Miscellaneous Receipt 1983-84 (Amounts in Lacs)							
(1) Notice Fee.			..	1.62	4.61	6.23	
(2) Warrant Cost.			..	1.07	2.19	3.26	
(3) Penalty.			..	7.30	12.63	19.93	
Amount of General Tax (Rs. in Crores)	..	1982-83		1.73	1.40	3.13	
Exempted	..	1983-84	..	1.74	1.44	3.18	

APPENDIX No. 5.

Statement showing Total Demand, Collection and Outstandings of Municipal taxes during 1983-84.

(Municipal Property Taxes including Water Benefit Tax, Sewerage Benefit Tax but excluding Water Charges and Sewerage Charges)

(Amount in Crores)

Period	Out standings as on 1-4-1983	Amount of bills issued during the year	Gross Demand	Amount of bills recalled during the year 1983-84.	Net Demand.	Less : Unsettled demand.	Effective demand.	Collection during the year 1983-84.	Out-standings as on 31-3-1984	Percentage of collection to effective demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
DIV.—I—CITY.										
Upto and										
1981-82	9.60	0.52	10.12	0.57	9.55	..	..	1.72	7.83	
1982-83	5.76	0.57	6.33	0.90	5.43	..	..	2.50	2.93	
1983-84	..	43.64	43.64	3.46	40.18	..	..	32.83	7.35	
Total	15.36	44.73	60.09	4.93	55.16	16.82	38.34	37.05	18.11	96.64
Div.-II-Subs. and Extd. Subs.										
Upto and										
1981-82	20.00	0.51	20.51	0.83	19.68	..	..	2.18	17.50	
1982-83	8.30	2.67	10.97	2.21	8.76	..	..	4.46	4.30	
1983-84	..	44.98	44.98	5.21	39.77	..	..	31.24	8.53	
Total	28.30	48.16	76.46	8.25	68.21	09.67	58.54	37.88	30.33	64.71

(2) Water Charges by Meter Measurement including Sewerage Charges (Amount shown in lacs).

Period	Out standings as on 1-4-1983	Amount of bills issued during the year	Gross Demand	amount of bills recalled during the year 1983-84.	Net Demand.	Less : Unsettled demand.	Effective demand.	Collection during the year 1983-84.	Out-standings as on 31-3-1984	Percentage of collection to effective demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Div.-I-City.										
Upto and 1981-82	402.20	30.15	432.35	21.60	410.75	..	..	144.39	266.36	
1982-83	511.50	133.30	644.80	102.75	542.05	..	..	373.98	168.07	
1983-84	..	3,093.89	3,093.89	413.74	2,680.15	..	..	2,224.34	455.81	
Total	913.70	3,257.34	4,171.04	538.09	3,632.95	..	..	2,742.71	890.24	75.49%
Div.-II-Subs. and Extd. Subs.										
Upto and 1981-82	530.34	57.78	588.12	41.86	546.26	..	..	61.32	484.94	
1982-83	426.00	303.32	729.32	69.98	659.34	..	..	393.61	265.73	
1983-84	..	3,327.39	3,327.39	539.03	2,788.36	..	..	2,355.48	432.88	
Total	956.34	3,688.49	4,644.83	650.87	3,993.96	..	..	2,810.41	1,183.55	70.36%

(3) Sewerage Charges (Amount in Lacs)

Div.-I-City.										
Upto and 1981-82	100.12	8.09	108.21	4.32	103.89	..	..	18.70	85.19	..
1982-83	124.18	37.85	162.03	25.37	136.66	..	..	86.01	50.65	..
1983-84	..	814.02	814.02	67.39	746.63	..	..	590.47	156.16	..
Total	224.30	859.96	1084.26	97.08	987.18	..	..	695.18	292.00	..
Div.-II-Subs. and Extended Subs.										
Upto and 1981-82	104.12	12.19	116.31	6.01	110.30	..	..	7.89	102.41	..
1982-83	49.01	38.23	87.24	11.50	75.74	..	..	44.51	31.23	..
1983-84	..	302.08	302.08	69.92	232.16	..	..	170.21	61.95	..
Total	153.13	352.50	505.63	87.43	418.20	..	..	222.61	195.59	..

(4) Wheel Tax (Amount in Lacs).

Div.-I-City.										
Upto and 1981-82	389.45	6.65	396.10	6.55	389.55	..	..	25.51	364.04	..
1982-83	102.79	8.31	111.10	0.59	110.51	..	..	25.09	85.42	..
1983-84	..	223.07	223.07	0.30	222.77	..	..	123.61	99.16	..
Total	492.24	238.03	730.27	7.44	722.83	307.00	415.83	174.21	548.62	41.87%
Div.-II-Subs. & Extd. Subs.										
Upto and 1981-82	280.15	2.49	282.64	11.52	271.12	..	..	23.29	247.83	..
1982-83	66.99	4.93	71.92	0.16	71.76	..	..	15.90	55.86	..
1983-84	..	113.40	113.40	0.14	113.26	..	..	38.09	75.17	..
Total	347.14	120.82	467.96	11.82	456.14	233.36	222.78	77.28	378.86	34.65%

(5) Water Tax (Amount in Lacs)

Div.-I-City.										
Upto and 1981-82	89.85	2.31	92.16	8.36	83.80	..	..	10.80	73.00	..
1982-83	60.89	4.61	65.50	14.98	50.52	..	..	16.91	33.61	..
1983-84	..	358.53	358.53	51.23	307.30	..	..	216.24	91.06	..
Total	150.74	365.45	516.19	74.57	441.62	..	..	243.95	197.67	..
Div.-II-Subs. and Extended Subs.										
Upto and 1981-82	56.52	0.10	56.62	0.01	56.61	..	..	4.59	52.02	..
1982-83	10.21	0.25	10.46	1.00	9.46	..	..	0.93	8.53	..
1983-84	..	39.50	39.56	0.69	38.87	..	..	24.95	13.92	..
Total	66.73	39.91	106.64	1.70	104.94	..	..	30.47	74.47	..

(6) Water Benefit Tax (Amount in Lacs).

Period	Out standings as on 1-4-1983	Amount of bills issued during the year	Gross Demand	amount of bills recalled during the year 1983-84.	Net Demand.	Less : Unset- tled demand.	Effect- ive demand.	Collection during the year 1983-84.	Out- standings as on 31-3-1984	Percentage of collection to effective demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Div.-I-City.										
Upto and 1981-82	114.48	5.29	119.77	5.40	114.37	..	..	20.82	93.55	..
1982-83	78.60	7.17	85.77	10.39	75.38	..	..	30.78	44.60	..
1983-84	..	588.29	588.29	43.57	544.72	..	..	444.16	100.56	..
Total ..	193.08	600.75	793.83	59.36	734.47	..	..	495.76	238.71	..
Div.-II-Subs. and Extended Subs.										
Upto and 1981-82	335.17	5.65	340.82	9.84	330.98	..	..	28.79	302.19	..
1982-83	110.06	30.20	140.26	28.17	112.09	..	..	49.54	62.55	..
1983-84	..	628.29	628.29	61.82	566.47	..	..	413.95	152.52	..
Total ...	445.23	664.14	1109.37	99.83	1009.54	..	..	492.28	517.26	..

(7) Sewerage Tax
(Amount in Lacs)

Div.-I—City										
Upto and 1981-82.	110.70	4.70	115.40	4.89	110.51	..	..	14.03	96.48	..
1982-83	53.18	3.44	56.62	8.34	48.28	..	..	15.51	32.77	..
1983-84	..	251.47	251.47	29.04	222.43	..	..	156.91	65.52	..
Total ..	163.88	259.61	423.49	42.27	381.22	..	..	186.45	194.77	..
Div.-II—Subs. & Extended Subs.										
Upto and 1981-82	265.89	3.77	269.66	6.47	263.19	..	..	24.03	239.16	..
1982-83	77.51	21.03	98.54	21.07	77.47	..	..	35.41	42.06	..
1983-84	..	386.54	386.54	46.51	340.03	..	..	238.37	101.66	..
Total ..	343.40	411.34	754.74	74.05	680.69	..	..	297.81	382.88	..

(8) Sewerage Benefit Tax
(Amount in Lacs)

Div.-I—City										
Upto and 1981-82	76.49	3.48	79.97	3.30	76.67	..	..	13.54	63.13	..
1982-83	48.19	4.73	52.92	6.96	45.96	..	..	19.82	26.14	..
1983-84	..	392.67	392.67	30.42	362.25	..	..	293.43	68.82	..
Total ..	124.68	400.88	525.56	40.68	484.88	..	..	326.79	158.09	..
Div.-II—Subs. & Extended Subs.										
Upto and 1981-82	205.58	3.32	208.90	5.92	202.98	..	..	23.32	179.66	..
1982-83	63.70	18.09	81.79	14.68	67.11	..	..	28.60	38.51	..
1983-84	..	412.60	412.60	43.86	368.74	..	..	267.64	101.10	..
Total ..	269.28	434.01	703.29	64.46	638.83	..	..	319.56	319.27	..

APPENDIX No. 6

Statement showing Total Demand, Collection and outstandings of Government Taxes and Cess during 1983-84

(1) State Education Cess

(Amount in Lacs)

Period	Out-standings as on 1-4-83	Amount of bills issued during the year.	Gross demand.	Amount of bills recalled during the year 1983-84	Net Demand	Less : unsettled demand.	Effective demand.	Collection during the year 1983-84	Out-standings as on 31-3-84	Percentage of collection to effective demand.
Div.-I—City.										
Upto and 1981-82	216.57	58.28	274.85	13.60	261.25	..	..	70.03	191.22	..
1982-83	126.42	14.39	140.81	22.08	118.73	..	..	50.75	67.98	..
1983-84	..	873.70	873.70	76.02	797.68	..	..	641.33	156.35	..
Total	342.99	946.37	1289.36	111.70	1,177.66	..	..	762.11	415.55	..
Div.-II—Subs. & Extd. Subs.										
Upto and 1981-82	515.78	22.75	538.53	19.79	518.74	..	..	43.70	475.04	..
1982-83	151.64	53.36	205.00	46.92	158.08	..	..	73.77	84.31	..
1983-84	..	779.08	779.08	93.67	685.41	..	..	485.41	200.00	..
Total	667.42	855.19	1,522.61	160.38	1,362.23	..	..	602.88	759.35	..

(2) Urban Immovable Property Tax

(Amount in Lacs)

Div.-I—City										
Upto and 1962-63	0.37	..	0.37	..	0.37	..	..	0.02	0.35	..
Div.-II—Subs. & Extended Subs.										
Upto and 1962-63	2.62	..	2.62	..	2.62	..	..	0.03	2.59	..

(3) Statement showing demands collection and outstandings of Employment Guarantee Cess during 1983-84.

(Figures in Lacs)

Div.-I—City										
Upto and 1981-82	88.45	285.63	374.08	9.78	364.30	..	..	183.50	180.80	..
1982-83	30.46	4.09	34.55	5.95	28.60	..	..	6.00	22.60	..
1983-84	..	173.79	173.79	18.18	155.61	..	..	117.60	38.01	..
Total	118.91	463.51	582.42	33.91	548.51	..	..	307.10	241.41	..
Div.-II—Subs. & Extended Subs.										
Upto and 1981-82	84.36	117.93	202.29	4.31	197.98	..	..	55.23	142.75	..
1982-83	31.51	8.71	40.22	6.99	33.23	..	..	12.01	21.22	..
1983-84	..	105.00	105.00	14.02	90.98	..	..	61.66	29.32	..
Total	115.87	231.64	347.51	25.32	322.19	..	..	128.90	193.29	..

(4) The Additional State Education Cess

(Amount in Lacs)

Div.-I—City										
Upto and 1973-74	0.88	..	0.88	..	0.88	..	..	0.03	0.85	..
Div.-II—Subs. & Extended Subs.										
Upto and 1973-74	7.39	..	7.39	0.01	7.38	..	..	1.26	6.12	..

(5) Total Demand, Collection and Outstandings of Repairs and Reconstruction Cess during the year 1983-84 for the City Wards

(Figures in Lacs)

Past and Previous 5 Years.										
Category 'A'	747.64	88.00	835.64	39.54	796.10	..	..	203.93	592.17	..
'B'	76.65	4.00	80.65	2.37	78.28	..	..	14.59	63.69	..
'C'	117.79	3.93	121.72	4.00	117.72	..	..	22.02	95.70	..
Total	942.08	95.93	1,038.01	45.91	992.10	..	..	240.54	751.56	..
Current Year 1983-84										
'A'	..	607.30	607.30	39.07	568.23	..	..	308.66	259.57	..
'B'	..	47.53	47.53	3.13	44.40	..	..	26.15	18.25	..
'C'	..	73.60	73.60	2.72	70.88	..	..	41.62	29.26	..
Total	..	728.43	728.43	44.92	683.51	..	..	376.43	307.08	..
Grand Total	942.08	824.36	1,766.44	90.83	1,675.61	..	..	616.97	1,058.64	..

APPENDIX No. 7

(Bills issued during the year 1983-84)

	City		Subs. and Extd. 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	66,078	1,21,960	79,515	3,13,791	1,45,593	4,35,751
(2) Water charges by Meter Measurement including Meter Hire	4,934	68,839	33,835	2,16,228	38,769	2,85,067
(3) Wheel Tax	18,038	1,59,370	9,188	99,037	27,226	2,58,407

APPENDIX No. 8

(A) Break up of arrears of 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 and Additional State Education cess and Employment Guarantee Cess as on 31st March 1984

(Rs. in Lacs)

	City	Suburbs and Extended Subs.	Total
	Rs.	Rs.	Rs.
(1) Government and Dy. Custodian of Evacuee properties	361.94	522.13	884.07
(2) Bombay Port Trust	77.62	9.30	86.92
(3) B.M.C. Impts. and other Municipal Departments	43.15	20.51	63.66
(4) Properties under attachment	170.29	229.49	399.78
(5) Amount involved in respect of unauthorised structures and hutments	15.04	898.71	913.75
(6) Amounts due from BEST Undertaking	2.94	2.91	5.85
(7) Instalments allowed	79.85	33.49	113.34
(8) Monthly tenancy structures.	7.29	26.58	33.87
(9) Amounts held in deposit	27.23	76.00	103.23
(10) Other ratepayers :			
(a) Property taxes	233.62	1,430.75	1,664.37
(b) Wheel Tax	241.68	145.50	387.18
Total	1260.65	3,395.37	4,656.02

- Re : (1) Payment was not received from Government Department before 31st March 1984. The Dy. Custodian of Evacuee properties pays as and when Fund permits.
(2) The payment was not received before 31st March 1984.
(3) The amounts 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 mounted up. The position may improve only when the 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 adjustments.
(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 and Additional State Education Cess and E. G. Cess as on 31-3-1984

(Rupees in lacs)

	City	Suburbs and Extd. Suburbs	Total
	Rs.	Rs.	Rs.
(1) Railways	42.23	42.86	85.09
(2) Court Receiver, Official Assignee etc.	63.31	75.24	138.55
(3) Suits Filed, Injunctions, appeals and Write Petitions against Rateable Values	241.68	137.13	378.81
(4) Complaints against Rateable Values	689.50	378.64	1068.14
(5) Disputed Property Taxes	174.13	115.46	289.59
(6) Disputes regarding Wheel Tax	307.00	233.36	540.36
(7) Bills issued at the fag end of the year	471.36	216.99	688.35
(8) Arrears of taxes carried forward from the records of the defunct Local bodies .. ..	...	0.36	0.36
Total	1989.21	1200.04	3189.25

- Re : (1) The Railways have made on account payment of Rs. 8.95 lacs, during 1983-84. The question of Assessment of Railway properties for the quinquennium 1-4-1959 to 31-3-1964 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) The matter is pending before the Court and recovery would be effected as and when appeals and Writ Petitions before the Court are disposed of.
(4) Complaints are pending and the payments can be demanded after disposal of complaints against R. V.
(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 No. 9

(A) Cinema Theatres and Tax

	Class-I	Class-II	Total	1982-83	1983-84
City	67	1	68	Rs. 17,45,172.00	Rs. 18,20,596.00
Subs. and Extd. Subs.	62	..	62	15,90,726.00	15,62,900.00
Total	129	1	130	33,35,898.00	33,83,496.00

(B) Vehicles and Animals taxed under Public Conveyance Act

(a) Hack Victorias (2 Horses each)	..	..	..	184
(b) Labour Carts (With pair of Bullocks)	..	..	..	257
(c) Hand Carts	..	..	..	11,458
Total	..	..	..	11,899

Vehicles and Animals taxed during the year 1983-84

Vehicles or Animals taxed in the year	No.	Vehicles or Animals taxed in the year	No.
(1) Motor Cycle Solo	91,503	(11) Taxies	30,762
(2) Motor Cycle with side car	8,644	(12) Passenger buses	1,740
(3) Trade Certificates	36	(13) Ambulance	133
(4) Motor Lorries	24,353	(14) Others .. .. .	..
(5) Delivery Van	12,306	(15) Four Wheeled vehicles drawn by animals	7
(6) Trailor	776	(16) Two Wheeled vehicles drawn by animals	235
(7) Tanker	501	(17) Hand Carts	13,508
(8) Crane	517	(18) Horses .. .. .	..
(9) Motor Tractor	298	(19) Ponies	49
(10) Motor Cars	1,37,494	(20) Bullocks	698
		(21) Auto Rikshaw.	2,289
Total	2,76,428 c/f.	Grand Total	3,25,849

APPENDIX No. 10

Classification of properties according to Rateable Value

Rateable Value	No. of Properties	
	City	Subs. and Extd. Suburbs
Below Rs. 200	8,438	31,537
Between Rs. 201 and Rs. 300	2,756	13,761
Between Rs. 301 and Rs. 400	3,070	10,825
Between Rs. 401 and Rs. 500	2,769	9,423
Between Rs. 501 and Rs. 750	4,073	12,621
Between Rs. 751 and Rs. 1,000	3,675	10,708
Between Rs. 1,001 and Rs. 1,500	4,178	12,463
Between Rs. 1,501 and Rs. 2,000	4,046	8,739
Between Rs. 2,001 and Rs. 5,000	10,140	17,793
Between Rs. 5,001 and Rs. 10,000	7,325	10,438
Between Rs. 10,001 and Rs. 20,000	4,840	8,888
Between Rs. 20,001 and Rs. 30,000	1,967	4,342
Between Rs. 30,001 and Rs. 40,000	1,143	2,430
Between Rs. 40,001 and Rs. 50,000	698	1,501
Between Rs. 50,001 and Rs. 1,00,000	857	2,165
Between Rs. 1,00,001 and Rs. 1,50,000	644	551
Between Rs. 1,50,001 and Rs. 2,00,000	484	228
Between Rs. 2,00,001 and Rs. 2,50,000	204	114
Between Rs. 2,50,001 and Rs. 3,00,000	330	66
Between Rs. 3,00,001 and above	409	127
Total	62,046	1,58,720

EDUCATION DEPARTMENT

It is the obligatory duty of the Municipal Corporation of Greater Bombay, as per the Act, to provide of Primary Education to the children of school-going-age of 6-11 and this responsibility is carried out by the Education Department of the Corporation right from 1907.

In addition to Primary Education, just to give helping hand to the Government, the Corporation also undertook to run Secondary School since 1965.

The entire supervision and administration of the Department was carried out by the Education Officer, Smt. K.N. Kamat, M.A.M.Ed. as the Head of the Department, with the assistance of Officers on academic side as well as the administrative staff. Below is given the Organisational Chart of the Department :

Education Officer.

Dy. E.O.(Z. 1, 2, 3) Dy. E.O.(C).....

		Supdt.	R. O.	S.S.P.I.
A.O.(S)	A.O.(O) and other staff	...	A.R.O.	...
		Beaut Insp.	Insp. Traing	S. P. I.

The following table gives a bird's eye view of the no. of Schools with Students and teachers Language wise which are being run by the Municipal Corporation of Greater Bombay.

Statement Showing the total No. of Municipal Primary Schools Pupils and Teachers. as on 31st March 1984.

Language	City				Suburbs				Exd. Suburbs			
	Schools	Classes	Pupils	Teachers	Schools	Classes	Pupils	Teachers	Schools	Classes	Pupils	Teachers
Marathi	266	..	1,40,282	34,57	195	2	1,55,575	3,388	119	2	87,680	1,974
Tamil	14	1	6,229	130	11	2	5,157	110	11	1	4,246	93
Telugu	18	2	7,489	190	10	4	2,473	66	6	6	2,113	57
Kannada	12	7	3,404	100	22	2	5,724	174	9	2	3,572	102
Malayalam .. ..	..	..	..	..	2	..	34	7	..	1	18	2
Gujarati	64	7	14,836	409	55	2	17,765	481	47	2	21,343	542
Hindi	56	1	23,812	570	72	1	41,929	928	41	2	27,257	585
English Primary	19	1	6,759	161	12	..	4,059	105	6	..	2,486	57
Urdu	103	3	41,844	970	81	3	54,066	1152	23	1	11,973	276
Sindhi	1	..	10	1	2	..	182	10	2	..	105	12
Total	553	22	2,44,665	5,988	462	16	2,86,964	6,421	264	17	1,60,793	3,700

Municipal Recgd and Aided Schools Pupils as on 31st March 1984.

Language	City				Suburbs				Extd. Suburbs			
	Recg.		Aided		Recg.		Aided		Recg.		Aided	
	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils
Marathi	26	12,557	34	12,305	24	5,318	38	18,940	17	6,440	25	8,301
Gujarati	33	8,390	20	5,123	22	9,041	16	6,376	20	9,243	22	17,004
Hindi	2	670	11	3,965	4	1,820	9	5,183	5	1,945	10	3,382
English	132	40,980	34	11,924	144	73,176	27	9,236	73	34,891	9	5,119
Urdu	2	490	11	5,587	7	2,567	4	840	1	..	..	..
Kannad	5	2058	1	215	..	..	..	..	1	220	..	..
Tamil	1	1,031	1	1,525	..	..	..	..	1	1,530	..	..
Malayalam .. ..	..	..	1	1,471	..	..	..	..	..	..	1	1,270
Sindhi .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Total	201	66,176	113	42,115	201	91,922	94	40,575	118	54,269	67	35,075

SCHOOLS PREMISES

In order to meet the needs of Education of all the children, the Corporation has a planned programme of construction of school buildings. The position of the school premises is shown in the below given statement :

	31st March 1983		31st March 1984	
	No. of premises.	No. of Schools meeting	No. of premises.	No. of Schools meeting
1. Municipal owned	304	914	307	940
2. Rented Buildings	372	379	369	365
3. Rent Free Buildings	22	32	27	29
	698	1,325	703	1,334

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

TEACHERS

Every year, the Department has to recruit new teachers due to increase in the number of students as also for those who are superannuated.

Private Primary Schools :

In addition to our own Municipal Schools, the Department is controlling private primary schools by way of giving them recognition and grant. The No. of students in Private Primary Schools is also increasing.

Special Education :

In addition to the normal school children, the Corporation is conducting special education classes especially for mentally retarded children and 2 Centres for Deaf and Dumb are also conducted with the assistance of Nair Hospital and L.T.M.G. Hospital.

	31st March 1983	31st March 1984
No of Classes	14	14
No of Students	585	621

The Department is also conducting two Junior Colleges of Education for Urdu Teachers one for the males and one for females at Mahim and Imamwada respectively.

Information regarding Junior Colleges of Education.

Information regarding Junior Colleges of Education

	No. of students	1st Year D.Ed.	2nd Year D.Ed.	Teaching Staff
Municipal Urdu Teachers Junior College of Education, Mahim.	72	39	33	1 Principal. 4 full-time Instructors. 1 part-time Instructor. 2 Special Teachers.
Junior College of Education Imamwada.	155	78	77	1 Head Mistress. 10 full-time Instructors. 2 part-time Instructors for Physical Education. 3 Special Teachers for Sewing, Drawing and Music.

Different activities of the Department organised through different sections

Name of the Section	Activity	No. of participants/beneficiaries (1982-83)	
(I) Competitions			
Physical Section.	Education		
	(i) Annual Sports	1,17,750	
	(ii) Games Competitions	.. 6,428	
	(iii) Drill Competitions	.. 15,213	
	(iv) Mass Drill Display	.. 25,000	
	(v) Educational Excursions	.. 37,387 pupils 1,382 Teachers	
	(vi) Sports for mentally retarded	.. 214	
	2) Physical Training Institute	.. 147 teachers completed the training in 3 batches.	
	3) R.S.P Unit	.. ..
	(i) Units	70	
	(ii) Pupils	3,500	
	(iii) Instructors	.. 70	
	(iv) Training Camps	280 pupils	
	(4) Scout Guide Activities.		
	(1) Cub Masters	141	
	(2) Cub	2367	
	(3) Scout Masters	.. .. 149
	(4) Scouts	2488	
	(5) Flocks Leaders	144	
	(6) Bulbuls	1491	
	(7) Guide Captains	113	
	(8) Guide	1630	
	(9) Companies	103	
	(10) Flocks	114	
	(11) Mansoon Hikes	70	
	(12) Revision course for D. S. M., D. G. S. and organisers.	.. 30	
	(13) Petrol Leaders Training Camps	.. 1276	
(14) Cub/Bulbul Excursions	1464		
(15) Petrol Hikes	.. .. 980	
(16) Scout Guide festivals	.. 480		
(5) Balbhavan Centres :			
(i) No. of Centres	.. 47		
(ii) Competitions in different activities likes games, handicraft, drawing, painting folk songs, dramatics, elocation.	.. 1780		
(6) Audiovisual Section :			
(i) No. of Schools concerned.	.. 920		
(ii) No. of film shows	.. .. 2835	
(iii) No. of students benefitted	.. 4,37,670		

Name of the Section	Activities	No. of participants/beneficiaries
	(7) Teaching Aid Centres.	
	(i) Teachers Trained	293
	(ii) Teaching Aids prepared ..	2000
	(iii) Printing section : Printing of Ankur, Pallav Magazines and different forms. ..	
	(8) Teachers Library :	
	(i) Centres	3
	(ii) Members	11,257
	(iii) Books	81,664
Language Development Project.	(1) Correspondence cum contact Course in English with 42 units and fortnightly contact sessions.	100
	(2) Training of teachers teaching English at ward level as part of the dissemination of Project activities training conducted at 3 Ward Centres.	70
	(3) A two Week workshop for municipal secondary school teachers for preparation of recorded materials for use of pupils.	14
	(4) A three week workshop for teachers of Std. I working in Marathi and Gujarati medium schools for preparation of activity oriented programme for pupils of Std. I.	24
	(5) A one day Seminar on Bal Bharati Book III (newly introduced) for Marathi teachers of Std. III.	200
	(6) A three week training course as the third phase of training of teachers teaching Hindi as second language as Resource Persons was conducted with collaboration of the Central Institute of Hindi, Agra.	20
	(7) Six orientation programmes for teachers teaching Hindi as mother tongue in six different wards of Greater Bombay.	105
	(8) A two day work-shop for teachers of Hindi medium schools for giving guidance to them regarding the development of the reading skill of the pupils.	30
	● Production of Instructional Material :	
	(1) Preparation of week-wise activity oriented material covering one entire academic year for beginners (Std. I) consisting of Hand-Book for teachers and parallel Reader for pupils.	200 Pages material.
	(2) Preparation of work-book for pupils, supplementary reading material for pupils, assignments for teachers during the training programmes.	

(Course conducted throughout the year.)

Name of the Section	Activities	No. of participants/beneficiaries
	(3) Writing of stories, dialogues in English to be recorded for Secondary School pupils.	12 stories 30 dialogues prepared.
	(4) Recording of material for teachers and pupils of primary schools.	
	(5) Preparation of remedial material for pupils using the koli dialect.	
	Research & Evaluation :	
	(1) Preparation of language skill tests. A battery of tests to assess the acquisition of listening comprehension reading writing of pupils were prepared.	
	(2) A comparative study of the progress of the pupils taught by LDP trained and non-LDP trained teachers (Std. V, VI & VII) was made.	3 tests prepared. 400 answer books of pupils assessed.
	(3) The Project of " Urdu Scripts and writing" was continued.	400 specimens of teachers writing were analysed.
	Development of Curriculum Resource Centre :	
	Language Laboratory consisting of 20 booths installed and used for giving training to teachers in Spoken English.	400 teachers trained.
Research Unit.	Project of wastage & stagnation.	
	(i) The study of the incidence and extend of wastage and stagnation among 76993 enrolled in Std. I between 1972 to 1981 in 464 multi-lingual school was completed.	
	(ii) Prepared a brief summary of study of wastage and stagnation for workshop on long term educational planning in metropolitan cities.	
	In Service Training Programme.	
	(i) Planned & conducted in service training and orientation programme for beat inspection and senior teachers promoted as Dy. Hd. Trs.	
	(ii) In all 360 Teachers were trained by the year under report. Recruitment test of about 600 teachers was taken.	
	N. H. E. E. S.	
	About 500 questionaries eliciting information on nutrition, health and Redicational & social background of the children were distributed & Data Collected.	
	Educational Technology.	
	Recast the report of the study of the six weeks programme and 10 weeks teachers training programme on the basis of Educational Technology.	

Music Academy

Music and Art Academy	Imparted training to the regular trainees of the In-service Training Course.	about 325 teachers
	Arranged Music Competitions for Municipal School Children.	about 6500 students
Art Academy :		
	Lecturee-cum-demonstration programme.	107 teachers.

Key School Project.

In order to help the talented and gifted children in municipal primary schools by providing rich learning experiences, the department has designed a special programme Key Schools and introduced the same from the academic year under report at 11 selected Centres. The children of age group of 9 years from the nearby schools are selected on the basis of teacher's judgement. I. Q. Tests and the aptitude of the students and they are brought to the Centre. The curriculum programme 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.

**The School Social Service Project
and****Non-Formal Education Classes****Activities :**

School Social Service Centres at all the 15 I.Y.C. Centre for Schools spread over 10 wards (EF/South, G/North, H/East, K/East, P/North, L,M,N. and S) continued rendering valuable service for the benefit of parents, pupils and schools. A total No of 22 fully-qualified Social Workers and 9 para-professional Workers were engaged in this work which was supervised by one of the superindent (Schools) As in the previous year, i.e. 1982-83, the job of providing the Social Service and expert guidance was entrusted to Nirmala Niketan College of Social Work, Bombay on contract basis.

The main features of this programme are as follows :—

Serial No.	Name of the Activity	Objective	Beneficiaries			Youth of the locality.
			Parents	Pupils	Trs.	
1	Non-Formal Education Classes.	To bring non-entrants and school drop-outs to the fold of education and provide them with needbased education with/without vocational bias.	..	395	22	..
2	Case-work—					
	(i) School dropouts.	To trace, contact and bring the dropouts back to schools.	..	Referred 3,031 Contacted 1,832 Brought back to schools. 1,199	..	..
	(ii) Problem cases.	To study the behaviour problems and other problems of pupils and to bring about improvement.	..	Referred 650 Improvement shown. 550	..	..
	(iii) Medico referral work.	To help the pupils to enjoy better health in collaboration with civic/private Doctors/Hospitals.	..	3,970	..	..
4	Recreation Centres.	To provide healthy channel of entertainment and facility to learn skills in Arts and Sports.	..	1,305	..	..
5	Nutrition Programme.	To help the acutely malnourished pupils enjoy better health, raise their standard of education achievement and to minimise the rate of school drop outs.	..	12,423 850	..	..
6	Vocational Guidance.	To help pupils understand employment possibilities and requirements and thereby raise their interest/standard in schoolastic achievement.	..	3,436	..	..

Serial No.	Name of the Activity	Objective	Beneficiaries			Youth of the locality.
			Parents	Pupils	Trs.	
7	Day Camps, Sports/Trips for pupils and Fun-fairs for locality.	To establish better rapport between school and locality. To provide health channel of entertainment-cum-community living to pupils. To involve parents/Local Youths/Outside institutions in school activities.	..	69,164	1,483	..
8	Parents Meetings— (i) With Trs. (ii) Group meeting with Social Workers. (iii) Parents Education Programme.	To understand the problems of of par nts. To make them aware of their responsibilities towards their Wards and School. To educate them in Hygeiene, Nutri ion, Civic. etc.	7,090	144	..	..
9	Youth Activities	To involve the Youth with school activities and to involve into them a sense of belonging and desire to work responsibly.	454	..	..	..
10	Family Assistance	To provide financial/social help to every acutely needy family through private sponsorship in cash or kind and thereby to restrict the rate of school dropouts.	64	..	..	..

School Health Service for the year 1983-84.

I Medical Inspection	3,08,165	children examined.
.. .. .	1,318	primary schools.
.. .. .	32,892	children examined
.. .. .	52	secondary schools.
.. .. .	8,564	case treated at Municipal General Dispensaries.
.. .. .	1,17,256	cases (New and old) treated at school clinics.
.. .. .	33,117	guardians were advised to take action regarding the treatment.
.. .. .	4,786	children referred to OPD to Municipal General Hospitals for expert opinion
.. .. .	309	tonsils operations performed at school clinics.
.. .. .	656	children supplied with spectacles.
.. .. .	32	children supplied with special aids such as calipers, hearing aid, etc.
.. .. .	696	suspected cases of leprosy and
.. .. .	604	of T.B. referred to the special clinics.

II.—Major defects noted.

Major Defect	Percentage	Major Defect	Percentage
Dental	61.18	Heart and Circulation	0.29
Throat	12.50	Lungs and Tuberculosis	1.46
Nose	12.25	Spleen '	0.04
Eye (External Diseases)	1.43	Skin	6.34
Eye (Vision)	1.74	Deformity of Bones	2.23
Ear Diseases	2.67	General Desability	29.17
Enlarged lymphatic Glands	27.55	Other diseases	12.34
		Deficiency of Vitamins	6.33

Health Education was imparted to about 33,117 parents and teachers, 13,43 domiciliary visits and revisits were paid. Health parade, health ministry and health trophy competition were arranged in schools in B, F/N, P/S, P/N, R, N & S Wards with a view to inculcate health habits amongst the children.

Immunisation work done

(a) Diphtheria and Titanus	1 st dose	92,874
(b) B. C. G. Vaccination	2nd dose	76,430
(c) T.A.B.		1,72,023

The medical examination in Municipal Schools were also carried out by (i) Child Welfare at J. J. Group of Hospital (ii) Department of preventive Social Medicine, T. N. M. College and L. T. M. G. (iii) Mobile Health Unit Parel respectively.

Elocution Competition

48233 students of Std. I to VII from 1173 various language school took part in the Elocution Competition.

Drawing Competition :

About 21,000 students participated.

Elementary and Intermediate Examinations.

No. of students appeared.	3964+160
No. of students passed.	2193+110
Percentage	55.3%69%

Scholarship Examination

	High School Scholarship Examination	Middle School Scholarship Examination
No. of students appeared	2449	3543
Total No. of studnets appeared ..	5992	

One girl student Kumari Anamika Vishwanath Nalawade, from Pant Nagar Municipal Marathi School No. 1 stood 11th in Bombay and 17th in Maharashtra in the Middle School Scholarship Examination. In all sixteen students have been granted scholarship Six Middle School and Ten High School Examinations.

110 students have obtained 60... and above marks in the examinations and all these students and their teachers were felicitated in a special function.

Seminars at Beat Level :

Follow-up of the Value Oriented Education in about 29 beats.

Seminars were organised on different types of academic subjects such as Science, Grammar Arithmetic, English Essay Writing, Use of Teaching Aids, etc.

Special Seminars for Head Masters were organised in each of the Divisions.

Participation of Officers of the Education Department in different Services and Workshops.

Alongwith the development of the Teachers, it is also seen that the Officers of the Department got exposed to new trends and programmes of education and, therefore, they are deputed for different Seminars, Workshops, Conferences, etc.

Teachers Commission appointed by the Ministry of Education had organised a Conference at Vidyan Bhavan in New Delhi. Education Officer, Smt. K. N. Kamat was invited to read a paper in the Conference. Conference. Accordingly Smt. Kamat participated in the above Conference and read a paper on "Roll of School Teachers during the post independence period of India."

Smt. S. V. Pandit and Smt. S. S. Nimbalkar, Dy. Education Officers were also deputed to the above Conference as observers.

Govt. of Maharashtra had appointed a Committee under the Chairmanship of Smt. Malgonda, Minister of State for Education to give their recommendations in respect of Improvements in Education. Smt. K. N. Kamat, E. O. was a member of the above Committee.

Balkotsav :

As usual during Balhotsav, Cultural Programmes, Dramatic Competitions, Folk dances were arranged. More than 10,000 students participated in these Programmes which were enjoyed by about 1,20,000 students as well as parents. The performance was very much appreciated.

His excellency the Governor of Maharashtra was pleased to attend one of the Balkotsav, function and appreciated the programme very highly.

Secondary School Section :

No. of Schools	..	..	51
No. of Classes	..	..	1,625
No. of Students	..	..	77,057
Total No. of teaching staff	..	..	2,553

Different Activities :

Study Camp for all the S.S.C. students	..	4,304	participants.
Residential Study Camp for one Week at Nana Chowk.		220	participants. (students).

Results of S.S.C. of the Municipal Secondary Schools :

Year	Total result i.e. No. of students passed.	Percentage of passing	No. of students securing more than 70 per cent of marks.
1982-83	3,879	47.80	236
1983-8	4,304	49.71	335

Municipal Award Winning Teachers for 1983/84.

Serial No.	Name of the Teacher	Designation	Name of the School.
1	Shri Adam Chandrakant Markandey	Trd. Tr.	Chandramani Budha Vihar Marg, U. P. M. S.
2	Smt. Kinare Rajani Sharad	Trd. Tr.	Adarsh Nagar U. P. M. S. 1.
3	Smt. Kohali Wedkumari Hemraj	Hd. Tr.	Chembur Camp U. P. M. S.
4	Shri Khatavkar Vijaykumar D.	Music Tr.	Saibaba Path U. P. M. S.
5	Shri Chavan Pandurang Gopal	Trd. Tr.	Sidhartha Nagar U. P. M. S. No. 1.
6	Shri Chauvan Ramsurat Mahadeo	Hd. Tr.	Sodawala Lane E. P. School.
7	Smt. Joshi Nirmala Pandurang	Hd. Tr.	Shahaji Raje U. P. M. S.
8	Smt. Joshi Smita Vasant	Trd. Tr.	V. R. Shinde Marg U. P. M. S.
9	Smt. Thakur Pratibha Prabhakar	Dy. Hd. Tr.	Ghatle U. P. M. S. 1.
10	Shri Deshpande Govind Jaikrishna	Drawing Tr.	Mulund Secondary School.
11	Shri Deshmukh Vasudeo Mahadeo	Music Tr.	Jogeshwari Gumphu U. P. M. S. No. 10
12	Smt. Desai Sumatiben Ramanlal	Hd. Tr.	Sodawala Lane U. P. G. S.
13	Shri Patkar Digambar Puroshottam	Music Tr.	Sardar Nagar U. P. M. S. 1.
14	Shri Patkar Yeshwant Janardhan	Dy. Hd. Tr.	Maneklal Mehta U. P. M. S. 2.
15	Shri Patil Gajanan Kashinath	Trd. Tr.	Devnar Colony U. P. M. S. No. 1.
16	Shri Purandare Mahendranath Janardhan	Hd. Tr.	Talchekar Wadi U. P. M. S. No. 1.
17	Smt. Bapat Mandakini D.	Trd. Tr.	West Khetwadi U. P. M. S. No. 1.
18	Shri Belgaumwala A. Rashid Mohd. Yakub.	Hd. Tr.	Khandia Street U. P. Urdu School
19	Smt. Bhangé Aparna Prabhakar	Hd. Tr.	Gandhi Nagar U. P. M. S. No. 1.
20	Smt. Bhat Sunanda Narhar	Hd. Tr.	Mahim Police Colony U. P. M. S.
21	Smt. Matkar Rajani Shradkumar	Drawing Tr.	Jagannath Bhatankar Marg. M. S.
22	Shri Shetty N. Vithal	Hd. Tr.	Hall Rd. U. P. Kannada.
23	Smt. Suvarna Chandrawati Manjappa	Dy. Hd. Tr.	Khar Nagar Municipal Secondary School.

PUBLIC HEALTH

HIGH LIGHTS

Expenditure :	Rs.
(1) Maternity and Child Welfare Centre ..	2,80,96,563
(2) Pre-school and School Health Services ..	1,04,560
(3) Prevention and Control of Infectious Diseases, etc. ..	4,29,13,374

Income :—	
Issue of licences, certificates of births, deaths etc. ..	54,61,861
Fines realised ..	..

Control of Food Adulteration :—	
Samples under P. F. A. Act. ..	1,960
Adulterated ..	20
Prosecutions ..	20
Fines realised ..	Nil

Food Establishments :—

	Eating Houses	Bakeries.
Grade I ..	419	4
Grade II ..	1,041	3
Grade III ..	3,983	484
Total	5,443	491

HYGIENE :

Maternity and Child Welfare Services :

	Maternity Homes	Maternity Wards	Maternity & Child Welfare Centres
	25	9	39
Deliveries conducted	42,824	28,521	..
Cases treated at Clinics ..	..	..	5,85,952

Family Welfare Units

I. U. C. D. insertions	7,197
Vasectomy Operations	15,761
Tubectomy Operations	18,134
Condoms distributed free	11,14,770
Dispensaries	Mobile Dispensaries
150	7 (Mupl)

Municipal Laboratory

	Water samples	Samples found unfit for potable purposes
Total samples received	28,638	3,328
52,442		

Municipal Hospitals.

	Indoor	Outdoor
(1) Eye Hospital, Kamathipura—		
(i) New Cases	1,924	31,315
(ii) Total attendance	16,086	95,900
(2) 11 Municipal General Hospitals under Executive Health Officer		
(i) New Cases	1,32,281	10,09,237
(ii) Total Attendance	8,67,006	33,15,077
(3) Kasturba Hospital for Infectious Diseases		
Total beds	680	..
Admissions	17,742	..

Outside Activities.

New Dispensaries Opened ...	3	..
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STATISTICS FOR THE YEAR 1983

	City	Suburbs	Extended Suburbs	Gr. Bombay
1	2	3	4	5
(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)	47 810	15 983	10 666	18 833
(3) Population-Census of 1981	32 85 040	30 73 981	18 84,384	82,43,405
(4) Total birth registered 1983	74,182	79,608	52,153	2,05,943
(5) Birth rate per 1,000 population census 1981	22.6	25.9	27.6	25.0
mid year estimated 1983	22.2	24.1	23.3	23.2
(6) Death registered in 1983	34,083	25,053	13,223	72,369
(7) Death rate per 1000 population Census of 1981	10.3	8.2	7.0	8.8
Mid year estimated 1983	10.2	7.6	5.9	8.1
(8) Total deaths among infants (under 1 year)	5391	5224	2943	13558
(9) Infant death rate per 1000 live births	72.6	65.6	56.4	65.8
(10) Maternal deaths	21	23	7	51
(11) Maternal death rate per 1000 live births	0.3	0.3	0.1	0.2
(12) Still births	2258	2685	2096	7039
(13) Plague, Cholera, small pox deaths	..	..	..	..
(14) Tuberculosis deaths Death rate	4481 1.3	2637 0.8	1365 0.6	8483 1.0
(15) Acute Anterior } Deaths Polomyelitis } death rate	26 0.0	21 0.0	18 0.0	65 0.0
(16) Diptheria deaths Death rates	5 0.0	2 0.0	3 0.0	10 0.0
(17) Typhoid Deaths Death rates	11 0.0	10 0.0	6 0.0	27 0.0

FOOD SANITATION AND PREVENTION OF ADULTERATION OF FOOD

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 a licence under the B. M. C. Act and the Maharashtra Prevention of Food Adulteration Rules, 1962. The Food Establishments are also controlled from the point of view of Prevention of Adulteration of food under the provisions of the Prevention of Food Adulteration Act, 1954, and the Rules there under. 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 Litres	Vegetables Kgs.	Fruit Doz.
2,62,266	2,33,873	40,446	91,770

Destruction of unwholesome food :

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

Registration of births and deaths :

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 1st January 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 purposes of registration of births and deaths.

According to the Act the information of live birth and still birth is required to be given in prescribed forms to the Registrar within seven days and that for the death within 3 days from its occurrence. The name of the newly born child can be registered free of charge within 12 months from the date of registration of births and thereafter on payment of prescribed late fee and compounding charges.

The medical 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 Institution after verifying the correctness of the facts recorded in the said report so as to avoid any mistakes these in etc. certificate 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 :

The statistics regarding Birth and Birth rate, Death and Death rate, Infant mortality and infectious and communicable diseases etc., are shown in the table at page 100.

Rat Control Work : Integrated rat control with the employment of combinations of different measures was planned and executed. Total number of rats caught and destroyed was 6,72,882 (including 1,56,280 Rattus and 3,03,369 Gynoy Kok) as against 6,38,204 in 1982. No rat was found plague infected.

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

Cholera : There was no 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. 2,14,561 persons 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 33,995 T. B. cases were notified and deaths numbered 8483. Services of Health Visitors have been integrated with the services of Treatment Organisers working under Assistant Health Officer (T. B.)

B.C.G. Vaccination : In view of the new policy for B.C.G. Vaccination in National T. B. Control Programme all the newborn 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 center, 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.

T. B. Control Programme : T. B. Control campaign was held from 1st April 1982 to 31st March 1983. It has been duly completed and function was held to mark the conclusion of the campaign on 27th May 1983.

Sexually 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 maintaining 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 26th January 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 outpatients clinics at Acworth Leprosy Hospital and 50 per cent 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 and 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 the following stipulated objectives during the year.

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

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

(2) **Control of communicable diseases :** 45629 immunization procedures against various communicable diseases were performed both in the Municipal Schools and in the field (Table 12).

(3) **Health Drives and Family Planning Exhibitions :**

In addition to the general health education performed and the mass immunization carried through its units, 235 health drives were carried out when 1,15,299 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 Vitamin orally.

VECTOR CONTROL

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

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

Precautions against yellow fever : Campaigns against *Aedes Aegypti* the vector for Yellow Fever and dengue diseases was continued throughout the year. *Aedes Aegypti* breeding was detected on 365 occasions and stegemyia index was 0.0008 % 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 transmission of Filariasis by mosquitoes was continued during this year.

Malaria : Under the National Malaria Eradication Programme, Malaria Surveillance Scheme is divided into two parts (1) Active Surveillance; and (2) Passive Surveillance. The area occupied by the City proper is covered for Passive Surveillance, while that of the Suburbs is covered for both. In the city blood smears are collected from the patients suffering from fever and attending the Municipal Dispensaries, Municipal and Government Hospitals and other Charitable Institutions and from those treated by private Medical Practitioners wherever possible. In the Suburban areas house to house survey is carried out for fever cases and radical cure treatment is administered to those found positive for Malaria parasite.

In case of Indigenous cases, Mass-Survey is carried out and if necessary, Mass treatment is arranged to control transmission. Wherever construction work is going on Mass Survey of the construction Labourers are carried out (Most of the Labourers come to Bombay from different places).

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.

CEMETERIES

There are in all 180 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) at Chandanwadi, (2) at Sion Crematoria and (3) at 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 Officer and Medical Officers of Health of the Wards. Permissions are also given by Heads of all Municipal General Hospitals when dead body is to be removed within the state by road.

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 19 cases and the other public analysts attended courts in 13 cases.

A part 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.

The Municipal and Public Analyst is a member of 10 different sub-committees of Indian Standards Institution and Central Committee for food standards.

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 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 clinic 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 supplied to the ailing school children at school clinics attached to the K.E.M. Hospital, Nair Hospital, Cooper Hospital, Juhu, Seth V. C. Gandhi and Seth M. A. Vora Municipal General Hospital, Rajawadi, Ghatkopar and Herilal Bhagwati Municipal General Hospital at Borivali.

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

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

Impounding of stry cattle : As per provision of Section 441 C to 441 G of the Bombay Municipal Corporation Act stray cattles are seized and impounded in the Municipal cattle Pound at Malad (West). The claimant of the animal is prosecuted in the court and after the claimant is penalised by the court the cattles are released on branding under orders from the Magistrate and on payment of pound charges. Branded cattles if seized are not released and are sold to Bombay Humanitarian League on condition that they should take the cattle outside Greater Bombay Limits and give to the needy farmers.

Maternity and Child Welfare : The Maternity and Child Welfare Services were rendered through 25 Municipal Maternity Homes, 9 Maternity Wards attached to 9 Municipal General Hospitals and 39 Maternity and Child Welfare centres. The scheduled strength of maternity beds was 1,549. The number of deliveries conducted was 71,345. The average stay of mothers in the maternity homes was 5 days. Domiciliary care was rendered to impart health education and to carry out health propoganda amongst mothers. Institutional care included antenatal, post-natal, infant and pre-school age child care, follow up work and health education by propoganda through posters, leaflets, group-talk, demonstrations and film-shows, etc.

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

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

Medical Termination of Pregnancy : All Municipal General Hospitals with Maternity Wards and almost all Municipal Maternity Homes are recognised for Medical Termination of Pregnancy under the M.T.P. Act 1971.

Family Welfare Planning : With a view to preventing or minimising maternal and infantile mortality and morbidity instructions in spacing of birth are given by trained doctors, to married men and women at the family welfare centres free of charge. Contraceptives are also given free after demonstration of the use of the same.

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.

KASTURBA HOSPITAL FOR INFECTIOUS DISEASES

Dr. (Smt.) S. N. Marathe, M.B.B.S., D.P.H., Dy. Medical Superintendent, Kasturba Hospital looked after the work of Professor of Medicine in addition to her own till 31st October 1983. A new post of Medical Superintendent for Kasturba Hospital, by keeping in abeyance the post of professor of Medicine, Kasturba Hospital, was sanctioned by the Corporation. Dr. (Smt.) S. N. Marathe, Dy. Medical Superintendent has therefore been appointed as a Medical Superintendent, Kasturba Hospital from 1st November 1983.

Admission 17,742

Expenditure Rs. 1,29,22,430

Pharmacy Department : The Pharmacy department at this hospital is under expansion to raise the production of I. V. fluids, from 600 bottles to 1,000 bottles per day to meet the requirement of I. V. fluids of all other Hospitals and Maternity Homes under Bombay Municipal Corporation.

Immunization Centre : 444 persons were immunized against Diphtheria. 1,828 against Enteric Fever, 1,828 against Cholera, 59 against measles.

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 496 as against 458 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 165 students including undergraduates of M.B.B.S., Ayurvedic, Homeopathic. Student, 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 eleven general hospitals in the Suburbs and Extended Suburbs. Details of the work done thereat are detailed in Table No. 13.

Dispensaries : New cases treated at the 150 dispensaries and 7 Mobile dispensaries were 13,86,245 and the total attendance was 51,07,962 in 1983.

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

Measles : Measles vaccine is given at Kasturba Hospital and in all the Municipal Maternity Homes and Suburban Hospital and dispensaries.

Maternity and Child Welfare Clinics : 1,70,620 new cases were treated at the 39 Maternity and Child Welfare Clinics and total attendance was 5,85,952 during the year 1983.

Municipal Eye Hospital, Kamathipura : The total number of new cases and the total attendance at the out-patient department of this hospital was 31,315 and 95,900 as against 31,469 and 74,293 respectively during the previous year. The number of indoor patients amongst new cases and total attendance was 1,924 and 16,086 respectively, as against 1,912 and 15,642 respectively, in 1982.

Ambulance Service : 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 maternity, 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 diseases 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, Borivali Hospital round the clock and at Maa Hospital Chembur, and K. B. Bhabha Hospital Bandra from morning to evening for removal of dead bodies in Greater Bombay.

Upgraded Dispensaries : There has been considerable over crowding at the outpatient departments of the Municipal General Hospitals, making it difficult for the medical staff of the Hospitals, to pay adequate attention to each patient. The overcrowding in the O.P. Ds. is due to the attendance of a large number of patients requiring dispensary treatment. With a view to relieving the general hospitals of the heavy load of patients, 58 Municipal General Dispensaries were upgraded.

Integrated Child Development Service Scheme :

In pursuance of the National Policy for children, the Govt. of India have sanctioned the Integrated Child Development Scheme, integrating various services for the development of a child. The scheme is in operation in the slums of P & 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 expectant and nursing mothers, health education, referred services etc. The entire expenditure on the scheme is borne by the Government of India.

Voluntary Health Service 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 to 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. This also makes the students aware of the various health needs of the people. The students can participate in the scheme during vacation period every year. Each participant has to pay house to house visit for health survey. The overall performance of each student is considered by giving additional marks which helps him for admission to Govt. Medical/Ayurvedic etc. colleges. The application forms for the scheme can be obtained from Asstt. Health Officer Zone-II F. South Ward Municipal Office Parel Bombay-400 012.

Expanded programme of Immunization :

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

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 Govt. of India.

In Greater Bombay the scheme was in operation in 9 wards and has been extended in the remaining wards. The scheme includes Expanded programme of Immunization, Malaria, Control Programme, Family Welfare, Maternal and Child Health Nutrition, Education and giving nutrition supplements and collection of vital statistical data etc.

Control of water contamination and Health Survey Scheme :

Greater Bombay receives water supply from artificial impoundage which is augmented by river water. To assess the impacts on health of the present water supply system and the new water purification and treatment plant a prospective study is undertaken on the request of World Bank to find out whether there are quantifiable changes in the occurrence due to water related diseases in relation to environmental Social and geographical factors. The study is to be continued upto February 1985.

Rabies :

Anti Rabic treatment is given at 14 Municipal Hospitals 1 Government Hospital and 6 Municipal Disps. (List shown in the Annual Public Health Bulletin) pet dogs are also immunize against rabies at nine dog immunization centre list of which is shown in the Annual Health Bulletin of the Public Health Deptt. 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.

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 provisions of "Maharashtra Cinema (Rules) Regulations 1966 and Rules for licensing and controlling places for public amusement" respectively.

Health Education Drive : This is a fundamental aspect in preventive medicine. The various modes of audio-visual publications are used in vulnerable areas. The talks are also arranged on radio and T. V. Immunization and intensive clinic campaigns are also carried out and the purpose is enlightened about the importance of environmental sanitation good habit for healthy living etc.

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 Establishments 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 extend to Rs. 500 or with simple imprisonment which may extend to six months or with both.

International Health Certificate : Inoculation against cholera, and T. A. B. is done and duly authenticated certificates in approved forms are issued at certain Municipal Medical 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 understanding that the certificate would be cancelled if he would not turn up within fifteen days of the inoculation.

Inoculations against yellow fever are given at the seamen's Medical Examination organisation, Nav Bhavan, Nicol Road, Karwar street, B, Bombay-400 001.

TABLE | 8

Notifiable Diseases	1983	
	Attacks	Deaths
Plague
Cholera
Small-pox
Diphtheria	..	10
Enteric Fever	..	27
Infectious Hepatitis	..	209
Tuberculosis	..	8,483
Meningococcal Infection
Typhus
Paratyphoid Fever
Anterior Poliomyelitis	..	65
Influenza
Virus Encephalitis
Scarlet Fever
Yellow Fever
Relapsing Fever
Leprosy
Haemorrhagic Fever
Dengue Fever

Immunization

		Total during 1983
Diphtheria Tetanus	.. 1st dose	1,42,657
	.. 2nd dose	1,30,501
	.. Booster dose	994
Triple	.. 1st dose	1,27,716
	.. 2nd dose	97,310
	.. 3rd dose	83,398
	.. Booster dose	51,362
Polio	.. 1st dose	1,32,204
	.. 2nd dose	1,02,622
	.. 3rd dose	83,792
	.. Booster dose	52,346
T. A. B.	..	4,26,041
Cholera	..	2,14,561
Small-Pox	.. Primary	..
	.. Re-Vaccination	..
Tetanus-toxide	.. 1st dose	4,38,045
	.. 2nd dose	1,09,258
	.. 3rd dose	37,873
	.. Booster dose	4,836
B. C. G. Vaccination	..	96,047

TABLE 2

Deaths and Death Rates from Epidemic and Principal Causes 1983

Cause of Death	Average of year 1978-82		1982		1983	
	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate
Principal Epidemic Disease						
Smallpox .. ..	..	..	..	..	..	..
Measles	89	0.0	36	0.0	75	0.0
Plague .. ..	..	..	..	..	..	..
Enteric Fever	62	0.0	29	0.0	27	0.0
Malaria Fever .. ..	..	..	..	..	..	..
Influenza .. ..	..	..	..	..	..	..
Cholera .. ..	..	..	..	..	..	..
Dysentery	210	0.0	..	..	..	..
Diphtheria	15	0.0	11	0.0	10	0.0
Other Principal Disease—						
Tuberculosis	8,309	1.0	8,307	1.00	8,483	1.0
Meningococcal Infection .. ..	..	..	..	..	..	..
Disease of nervous system 1,346	0.1	624	0.1	985	0.1	
Disease Respiratory System 10,304	1.2	10,67	1.2	12,843	1.4	
Diarrhoea & Enteritis .. 3,486	0.4	2,830	0.3	3,279	0.4	
Puerperal State 109	0.0	76	0.0	51	0.0	
Congenital Debility and Disease of early infancy. 6,444	0.7	7,155	0.8	5,832	0.7	
Sanility without mention of psychosis. 4,214	0.5	3,293	0.4	3,660	0.5	
Violence 5,888	0.7	6,160	0.7	5,568	0.6	
Other Causes 29,296	3.5	30,893	3.6	31,556	3.5	
Total ..	69,765	8.4	70,021	8.2	72,369	8.1

TABLE 3
Deaths among infants from Principal Causes by Age-period—1983.

Age Period	Small pox.	Meas- les.	Mala- rial fever.	Diarr- hoea & Enteri- ties. Dysentery	Congen- ital mal- formati- on dis- eases of early infancy.	Disea- ses of respira- tory system.	Polio mylitis	Other causes	All causes	Percentage to the total of infant deaths.
1	2	3	4	5	6	7	8	9	10	11
Upto 7 days	37	4373	527	...	597	5534	40.8
1 to 4 Weeks	...	1	...	166	838	429	...	469	1903	14.1
Total under 4 weeks	...	1	...	203	5211	956	...	1066	7437	54.9
4 weeks to 6 months	...	5	...	812	488	1468	9	1300	4082	30.1
6 months to 12 months	...	11	...	434	133	724	8	729	2039	15.0
Total	Nil	17	Nil	1449	5832	3148	17	3095	13558	100.00

TABLE 4
Infant mortality from Principal Causes (1978-1983).

Causes of death.	1978	1979	1980	1981	1982	Average of 1978 to 1982 (A)	1983 (B)	Difference between (A) & (B)	
Poliomyelitis	...	21	24	35	42	42	33	17	-16
Smallpox
Measles	...	11	20	17	30	1	16	17	+1
Malarial Fever
Diarrhoea & Enteritis Dysentery	...	1863	2337	1792	1639	1315	1789	1449	-340
Congenital malformation and diseases of early infancy	...	6156	6390	5933	6557	7155	6438	5832	-606
Diseases of Respiratory systems	...	2671	3101	2792	2944	2893	2880	3148	+268
All causes	...	13512	15078	13633	13449	12945	13723	13558	-165

TABLE 5
Cases of Notifiable Diseases reported in 1983.

Wards	Cho- lera	Small pox	Plague	Enteric Fever	Diph- theria	Typhus	Puer- peral Fever	Tuber- culosis	Relap- sing Fever	Influe- nza	Spinal Fever	Acute interior Polio myelitis	Scarlet Fever	Infec- tive Hep- atitis	Lep- tospy	Total
A	5	1	...	...	1,561	...	...	...	11	...	21	...	1,599
B	18	2	...	...	1,765	...	...	...	6	...	57	...	1,848
C	4	...	...	...	18,90	...	...	...	1	...	24	...	1,919
D	17	4	...	...	2,414	...	...	...	12	...	53	...	2,500
E	39	5	...	...	4,964	...	...	...	45	...	132	...	5,185
F/N	7	2	...	...	1,649	...	...	...	49	...	60	...	1,767
F/S	13	6	...	...	2,157	...	...	...	22	...	37	...	2,235
G/N	9	3	...	...	2,120	...	...	...	39	...	48	...	2,219
G/S	38	5	...	...	1,229	...	...	...	36	...	60	...	1,368
H/E	1	...	...	974	...	...	...	32	...	20	...	1,027
H/W	2	2	...	...	1,774	...	...	...	24	...	21	...	1,823
K/E	5	1	...	...	1,511	...	...	...	44	...	20	...	1,581
K/W	1	1	...	...	811	...	...	...	42	...	18	...	873
L	4	2	...	...	2,235	...	...	...	43	...	34	...	2,318
M	4	1	...	...	1,433	...	...	...	65	...	52	...	1,555
N	3	...	...	1,207	...	...	...	43	...	30	...	1,283
P,N	1	...	...	898	...	...	...	25	...	10	...	934
P/S	1	1	...	...	713	...	...	...	7	...	12	...	734
R	2	...	...	1,531	...	...	...	20	...	25	...	1,582
S	616	...	...	...	18	...	12	...	646
T	1	...	...	543	...	...	...	8	...	9	...	561
Imported Cases.	5	9	...	...	...	...	...	...	118	...	51	...	183
TOTAL:-	172	53	...	...	33,995	...	...	...	714	...	806	...	35,740

TABLE 6

NATIONAL MALARIA ERADICATION PROGRAMME.

	No. of fever cases detected.	No. of Persons given treatment.	NUMBER OF BLOOD SMEARS			Found Positive	PARASITE SPECIES.				No. OF PERSONS TREATED.		EPIDEMIOLOGICAL CLASSIFICATION					
			Collected	Examined	Broken		V.	F.	M.	Mixed.	Completely	Partially	Induced	Imported	Relapse	Indigenous	Not treated	
1 Active—																		
City	11,371	11,371	11,371	11,371	...	258	257	1	...	...	241	4	...	55	—	197	6
Suburbs	30,249	30,249	30,249	30,249	...	40	36	4	...	...	33	3	...	32	...	5	3
Extended Suburbs	19,024	19,024	19,024	19,024	...	23	18	5	...	...	18	1	...	19	...	4	...
Total	60,644	60,644	60,644	60,644	...	321	311	10	...	...	292	8	...	106	...	206	9
2 Passive—																		
City	2,30,648	2,30,648	2,30,648	2,30,648	...	2,448	2,215	223	—	10	2,066	22	...	1,141	—	1,045	262	
Suburbs	84,628	84,628	84,628	84,628	...	504	753	48	...	3	354	8	...	348	...	71	85	
Extended Suburbs	81,706	81,706	81,706	81,706	...	294	260	30	...	4	201	19	...	189	...	46	59	
Total	3,96,982	3,96,982	3,96,982	3,96,982	...	3,246	2,928	301	...	17	2,621	49	...	1,678	...	1,162	406	
3 Mass—																		
City	58,816	58,816	58,816	58,816	...	86	78	8	...	...	79	2	...	28	—	55	3
Suburbs	21,284	21,284	21,284	21,284	...	20	16	4	...	...	16	1	...	15	...	3	2
Extended Suburbs	17,064	17,064	17,064	17,064	...	27	15	11	...	1	22	2	...	13	...	13	1	
Total	97,164	97,164	97,164	97,164	...	133	109	23	...	1	117	5	...	56	...	71	6	

TABLE 7

*Ward-wise Malaria Positives cases with the species and classification.
for the year (1983).*

Ward	No. of positive cases	Malaria Parasites				Classification			
		V.	F.	M.	Mixed	Imported	Indigenous	Untraced	Unclassified
A	153	122	31	...	...	119	15	2	17
B	98	77	21	...	...	64	14	6	14
C	29	20	8	...	1	15	3	4	7
D	142	115	27	...	...	88	38	9	7
E	360	313	44	...	3	242	72	14	32
F	603	548	52	...	3	297	248	217	41
G	1,364	1,326	36	...	2	376	897	20	71
H	142	127	14	...	1	98	11	15	11
K	215	196	19	...	...	151	27	11	26
L	79	66	10	...	3	54	11	6	8
M	130	98	31	...	1	74	31	7	9
N	52	46	5	...	1	30	10	5	7
P	133	123	10	...	...	94	21	11	7
R	89	71	16	...	2	59	16	5	9
S	33	29	4	...	...	25	5	1	2
T	78	71	6	...	1	54	13	7	4
Total	3,700	3,348	334	...	18	1,840	1,439	149	272

Abbreviations used: V.—Vivas. F.—Falciparum. M.—Malaria.

TABLE 8

Admissions, deaths and average number of Patients at Kasturba Hospital, Sans Guruji Marg, Bombay 4000-11.

Month	Chicken Pox.	Measles	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 Patient.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
January ..	123	95	25	29	57	..	..	153	..	6	14	..	..	..	5	5	...	595	1,107	1,064	43	301
February ..	323	130	19	21	59	..	..	106	..	6	6	..	..	..	6	10	1	413	1,100	1,076	24	333
March ..	573	103	33	23	99	..	..	184	..	4	8	..	..	..	...	...	1	573	1,601	1,576	25	430
April ..	484	94	33	35	63	..	..	261	..	2	6	...	..	..	2	23	1	516	1,520	1,477	43	411
May ..	302	65	17	40	70	..	..	329	..	...	11	...	..	..	6	33	1	608	1,482	1,442	40	371
June ..	58	49	11	70	84	..	..	315	..	2	24	..	..	..	4	12	1	682	1,312	1,271	41	344
July ..	18	33	5	111	87	..	..	774	..	4	13	..	..	..	18	32	...	826	1,921	1,862	59	414
August ..	18	24	9	118	118	..	..	734	..	1	24	..	..	..	8	9	2	1,257	2,322	2,228	94	528
September ..	19	39	7	96	64	..	..	384	..	3	25	..	..	..	11	22	...	861	1,531	1,468	63	404
October ..	13	27	9	56	57	..	..	280	..	10	10	...	..	..	41	21	...	768	1,292	1,241	51	323
November ..	48	43	8	62	14	..	..	287	..	6	9	..	..	..	32	14	...	818	1,341	1,299	42	338
December ..	164	64	19	53	34	..	..	224	..	9	22	..	..	..	14	13	1	596	1,213	1,186	27	317
Total	2,143	766	195	714	806	..	..	4,031	..	53	172	...	..	..	147	194	8	8,513	17,742	17,190	552	376

TABLE 9.

Admissions from 1979 to 1983 at the Kasturba Hospital for Infectious Diseases.

Year	Chicken Pox	Measles	Mumps	C. S. Fever.	Diphtheria.	Influenza	Whooping Cough.	Enteric Fever	B. Dysentery	A. Dysentery	Cholera	Plague	Typhus Fever	Diarrhoea and Vomiting due to Gastro-enteritis.	Anterior Polio-myelitis.	Infective Hepatitis.	Other Diseases	Total	Deaths.	Discharge.	Daily Average No. of patients
1979 ..	2,484	743	637	..	111	...	52	844	72	65	...	...	...	3,263	950	3,338	9,025	21,584	1,024	20,560	555
1980 ...	1,708	1,059	247	...	81	...	28	706	133	87	...	...	...	3,038	994	1,841	9,191	19,098	736	18,362	455
1981 ...	3,565	792	430	...	90	...	15	355	47	95	...	...	...	4,544	855	1,989	9,856	22,633	721	22,588	501
1982 ...	2,033	798	636	...	76	...	13	187	34	164	...	...	...	2,684	860	1,315	8,357	17,157	556	16,435	382
1983 ...	2,143	766	195	...	53	...	8	172	147	194	...	...	...	4,031	714	806	8,513	17,742	552	17,176	376

TABLE 10

Average weekly Cost per Patient admitted at the Kasturba Hospital for infectious Diseases, Sane Guruji Marg, Bombay 400 011.

Particulars	Year			
	1980	1981	1982	1983
	Rs.	Rs.	Rs.	Rs.
Drugs, Dressings & Disinfectants ..	28.56	34.09	24.36	27.02
Diet ..	37.17	37.66	51.52	55.51
Clothings ..	10.64	10.15	13.58	0.84
Stores ..	45.50	19.67	17.99	24.29
..	121.87	101.57	107.45	107.66

TABLE 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	Infectious Hepatitis
	Indoor Patients	Out-Patient Department
	Rs.	Rs.
Diet ..	7.93	—
Stores and Linon ..	3.58	0.59
Drugs, Dressings Disinfectants etc. ..	3.86	1.68
Lighting, Miscellaneous etc. ..	3.13	0.33
Repairs ..	0.52	..
Establishment ..	71.63	9.74
Total ..	90.65	12.34

Table—12

Immunization done by Mobile Health Unit in 1983 (In field).

Immunization	In Field	Total
(1) D. T. .. 1st dose	731	731
.. 2nd dose	3705	3705
Triple .. 1st dose	1117	1117
.. 2nd dose	923	923
.. 3rd dose	949	949
.. Booster dose	1465	1465
Polio .. 1st dose	1109	1109
.. 2nd dose	1212	1212
.. 3rd dose	1085	1085
.. Booster dose	3375	3375
T. A. B.	13269	13269
Cholera	10925	10925
Small pox	Nil.	Nil.
T. T. .. 1st dose	1772	1772
.. 2nd dose	318	318
Measles	3674	3674
Total ..	45629	45629
(2) Health Drives	235	
Total No. of patients	115299	
No. of Patients days treatment	424403	

TABLE 13

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

Accommodation of Beds Ward-wise—	Kharshedji Behramji Bhabha Hospital, Bandra.	Vishnu Prasad Nandraj Desai General Hospital Santacruz (East)	Dr. R. N. Cooper Municipal General Hospital Juhu, Vileparle	Khan Bahadur H. K. Bhabha Hospital, Kuria.	Diwalibai Mohanlal Mcha Maa Hospital, Chembur.	Seth V. C. Gandhi & M. A. Vora Municipal General Hospital, Rajawadi, Ghatkoper.	Sant Muktabai General Hospital Barve Nagar Ghatkoper	Shri M. W. Desai Memorial Gen. Hospital, Malad (East)	Shri Harilal Bhagwati Municipal General Hospital, Borivli.	Smt. M. T. Agarwal General Hospital, Mulund (West)	Municipal General Hospital, Mulund (East)											
	1	2	3	4	5	6	7	8	9	10	11											
Children Ward ...	32	23	80	32	20	76	20	25	35	33	20											
General Male Ward ...	32	45	180	40	19	42	30	31	62	40	30											
General Female Ward ...	32	45	140	40	19	37	20	52	38	37	20											
Maternity Ward ...	65	30	120	60	...	110	30	28	50	...	20											
Septic & Gynac Ward ...	25	40	...	6	12	60	...	...	25	18	10											
Others ...	18	4	...	...	4	234	...	...	90	...	...									
Total No. of Beds...	204	187	520	178	74	559	100	136	300	128	100											
	Annual Attendeance.	Daily Average.	Annual Attendeance.	Daily Average.	Annual Attendeance.	Daily Average.	Annual Attendeance.	Daily Average.	Annual Attendeance.	Daily Average.	Annual Attendeance.	Daily Average.	Annual Attendeance.	Daily Average.	Annual Attendeance.	Daily Average.	Annual Attendeance.	Daily Average.	Annual Attendeance.	Daily Average.	Annual Attendeance.	Daily Average.
In-patients ...	53,330	145	45,816	126	1,77,700	484	51,524	141	23,857	65	1,71,042	469	150,885	419	1,11,517	306	35,672	98	20,977	67	24,686	68
Surgical Operations ...	10,082	27	6,802	23	31,462	36	5,594	15	2,186	7	13,026	43	1,203	4	12,751	35	3,992	13	1,791	12	1,329	4
	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
O. P. D.	13,357	45,2915	10,0477	261570	12,2058	321779	1,23,140	423143	97392	288374	152302	609208	46358	150885	102093	313883	57731	260699	40283	130437	33546	94184
In-patients remained on 31-12-1982	136	...	120	...	537	...	148	...	50	...	423	...	91	...	282	...	87	...	68	...	88	...
Admitted in 1983	11076	...	9450	...	27619	...	11,066	...	3727	...	29381	...	7952	...	18366	...	5215	...	3163	...	5266	...
Total No. of patients treated in 1982	53330	...	45816	...	177700	...	51,524	...	23857	...	171042	...	150885	...	111517	...	35672	...	20977	...	24686	...
Discharged Cured ...	10689	...	9080	...	22590	...	10,229	...	3339	...	7448	...	7336	...	18648	...	4791	...	2287	...	4312	...
Otherwise ...	124	...	...	...	300	...	...	...	100	...	20226	...	100	...	577	...	288	...	724	...	42	...
Died ...	282	...	246	...	2206	...	220	...	105	...	1694	...	222	...	936	...	223	...	115	...	99	...
In-patients remaining on 31-12-1981	139	...	124	...	488	...	136	...	50	...	436	...	86	...	309	...	89	...	64	...	73	...
Daily Average	146	...	126	...	100	...	159	...	65	...	469	...	419	...	306	...	953	...	67	...	307	...
	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.
Expenditure.	89,34,782.81	93.71	61,07,830	89.18	2,88,62,871	99.88	70,24,204	56.50	45,12,360	71.80	1,84,79,258	83.61	44,71,400	49.00	2,26,70,233	45.27	56,73,049	40.00	38,50,564	63.85	27,03,234	48.15

TABLE 14

Examination of food and water sample during the year 1983

I.—Chemical examination :—

(1) Food

(i) Prevention of Food Adulteration Act.	4,828
(ii) Other than the P. F. A. Act--	9,969

(2) Water Samples	8,175
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Chemicals

(3) Controller of Stores.	323
(4) Hospitals	97
(5) Miscellaneous—	412

Total	23,804
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II.—Bacteriological Examination :—

(1) Water

(i) From City, Suburbs and Extended Suburbs.	27,026
(ii) From B. P. T. Area.	618
(iii) Water (Private)	527

(2) Disinfectants.
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(3) Foods	449
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(4) Ice	18
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(5) Miscellaneous.
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Total	28,638
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TABLE 15

Ward-wise total Confinements in institutions in Greater Bombay doing Maternity Work during 1983

WARDS.	A	B	C	D	E	F/N	F/S	G/N	G/S	H/E	H/W	K/E	K/W	L	M	N	P/S	P/N	R	S	T	Total
(1) No. of Institutions...	19	6	8	65	15	30	12	28	16	14	33	38	37	10	22	20	16	34	40	10	18	491
(2) Total No. of Beds...	2,483	227	275	2,299	2,523	1,659	2,670	428	979	290	539	837	1,563	274	435	972	240	621	13,72	366	964	22,061
(3) No. of Mat. Beds ...	511	122	86	893	325	424	464	267	332	122	400	433	630	138	237	414	176	389	599	216	265	74,37
(4) Live Births ...	8,509	3,509	1,635	11,579	11,020	13,553	15,599	5,590	6,643	6,168	10,047	9,725	10,332	7,531	11,402	16,253	6,408	9,854	16,005	60,26	85,37	19,59,25
(5) Still Births ...	202	93	29	242	302	388	414	111	162	99	176	364	356	203	236	669	165	212	419	137	263	52,43
(6) Total Confinements-...	8,711	3,602	1,664	11,821 (3T)	11,323 (27T)	13,930 (11T)	16,013	5,695 (6T)	6,790 (13T)	6,267	10,223 (2T)	10,089 (2T)	10,688 (2T)	7,734	11,633	16,922 (3T)	65,42 (31T)	10,063	16,424	16,63 (7T)	8,800	20,11,02 (66T)
(7) Deaths among Mothers	9	1	...	1	17	30	11	1	1	...	11	...	20	..	1	23	...	...	12	...	2	140
(8) B.C.G. Vaccination ...	5037	1025	506	901	6693	5779	7222	2420	4257	2816	...	6754	7519	7901	8695	9346	8870	5233	...	...	...	...

K. B. M. Hospital & Seth G. S. Medical College

Parel, Mumbai — 400 012.

HOSPITAL :

I.—Expenditure—

	Rs.
(A) On In-patients.	5,20,85,670
On Out-patients	1,45,77,234
(B) Average cost per—	
(i) In-patients per day.	82.71
(ii) In-patient admission	938.04
(iii) Out-patient attendance	37.18
(iv) Out-patient admission	55.61

II.—Results—

(A) 1. Schedule Bed Strength	1,615
2. Daily Average in-Patient in Wards	1,615
3. Admission including those brought over from the previous year 1982.	54,384
4. Patients discharged	48,603
(i) As cured	38,134
(ii) Otherwise	10,469
(iii) Expired	4,170
(iv) Remained in the Hospital on the last day of the year 1983	1,611
(v) Average stay of in-patients (in days)	11.17
(B) 1. New Out-patients attendance	2,68,209
2. Daily average of Out-patients (New)	735
3. Out Patients (New and Old)	6,74,480
4. Daily average of out-patient attendance	1,849
5. Casualty Cases (Medico-legal)	18,565
(C) 1. Operations-Major	18,294
Minor	32,075
(D) CONFINEMENTS	
1. Booked cases	3,597
2. Emergency Cases	278
3. Normal	3,080
4. Abnormal	795
5. Neonatal & Maternal Deaths	
(i) Maternal Deaths	10
(ii) Neonatal Deaths	119
(iii) Still Births	155
(iv) Premature live Born Infants	346

III.—Specialised Treatments—

1. Artificial Kidney Department—	
(i) Peritoneal Dialysis	137
(ii) Haemodialysis	1,816
2. I. C. C. U. Ward	
(i) Number of admissions	961
3. Open Heart Surgery.	510
4. Other Heart Operations.	452
5. Neurosurgery—	
(i) Operations	937
(ii) Radiological investigations	1,457
6. Sterilisations—	
Male	53
Female	1,151

IV.—Radiology—

(i) General Radiology	63,795
(ii) C.V.T.C.	787
(iii) Neuro	1,457
(iv) Orthopaedic Surgery	24,759

V.—Blood Bank—

1. Number of Blood samples collected from—	
(i) Voluntary Donors	7,606
(ii) Relative Donors	5,438
(iii) Indoor Voluntary Donors	513
(iv) Other Hospitals	1,721
2. Number of bottles supplied	15,052
3. Total number of grouping & cross matching	1,808

VI.—School Clinic—

1. School Children treated—				
(i) New	..	..	..	2,640
(ii) Repeated	..	..	..	17,005
(iii) Referred	..	..	..	1,081
2. Total Expenditure on Clinic	..	..	..	2,00,350.00

VII.—Physio Therapy—

(i) Attendance at the Centre—				
Out-patients	..	..	..	23,155
In-Patients	..	..	..	2,79,990
(ii) Treatment given to—				
Out-patients	..	..	..	79,811
In-Patients	..	..	..	2,00,179
(iii) Students admitted during the year	..	..	..	40
(iv) Students in the School	..	..	..	112
(v) Students graduated during the year	..	..	..	25

VIII.—Occupational Therapy—

(A) Patients treated at the Centre	..	..	..	13,803
Treatment given	..	..	..	1,24,563
(B) (i) Students admitted in the School during year	..	..	..	34
(ii) Number of students in the School	..	..	..	100
(iii) Students graduated during the year	..	..	..	25

COLLEGE :

(i) Total expenditure on Hostel	..	..	..Rs. 1,92,620.00
(ii) Revenue from Tuition Fees, Hostel Rent and Miscellaneous Receipts.	..	..	..Rs. 5,08,367.55
(iii) Revenue from Post-Graduate Fees	..	..	..Rs. 1,23,900.00

I.—Students—

	Male	Female	Total
(A) Undergraduate Students			
1st M. B. B. S.	94	67	161
1st M. B. B. S. (Casual)	4	9	13
IIrd M. B. B. S.	194	114	308
IIIrd M. B. B. S.	115	59	174
3rd M. B. B. S. (Casual)	33	15	48
Intern	107	54	161
B. Sc. (O. T.)	8	99	107
B. Sc. (P. T.)	12	101	113
Total	567	518	1,085
Post-graduate students including research students.	507	174	681
Grand Total	1,074	692	1,766
(B) Occupation of parents or Guardians—			
(i) Service	..	..	108
(ii) Medical Profession	..	..	20
(iii) Legal Profession	..	..	3
(iv) Misc. occupations	..	..	24
(v) Engineering	..	..	6

The King Edward VII Memorial Hospital & Seth Gordhandas Sunderdas Medical College are functioning since 1925-26. The Hospital is the largest civic Medical Institute in the City, fully modernised and well equipped with various departments. The G. S. M. College provides training facility in almost all the faculties of Medicine 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. C. K. Deshpande, M. D., F. R. C. Path. (London).

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

Ward Officer—Shri R. B. Veturkar, B. A. (Hons.)

Educational Programme : 161 candidates including 49 students from backward Communities were admitted to the M. B. B. S. Course during the year under report.

Post-graduate course were conducted for M. D./D. M., M. S./M. Ch. D. A., D. V. D., D. P. M., D. M. R. D., D. M. L. T., M. Sc. (Biochemistry) M. Sc. (Animal Physiology), M. Sc. (Micro-biology) Ph. D. on the lines of the previous year.

Hostels : There are three hostels attached to the Seth G. S. Medical College. Male students Hostels in the College premises has 148 rooms, Ladies students hostel has 36 rooms and Male student hostel situated at Naigaum has 56 rooms. All the rooms were fully occupied during the year. All the modern amenities have been provided at the hostels.

Library : As in previous years, the library has been rendering useful service to the hospital staff in general and the student community in particular, by providing reading, borrowing, and research facilities. Undergraduate, Postgraduate, and research students have been deriving the fullest benefit from these facilities. Even research students from other colleges are allowed to read in the library on application, and proper recommendation and identification.

During the year 1983 (*i. e.* from 1-1-1983 to 31-12-1983), 104 books have been added to the collection. During the year 1983 a subscription is paid to 324 titles of medical journals.

Since 25-1-1983 the library has been shifted to the New Library Building. So far the ground floor and the 1st floor are utilised for library. Both these floors are centrally airconditioned.

OCCUPATIONAL THERAPY TRAINING SCHOOL AND CENTRE :

Weaving activities : Weaving & winding work was given to patients. Patients produced handloom products like bed sheets, towels etc. worth of Rs. 11,567. Total Sale was Rs. 7,477 which was credited to P.B.C.

Splints : 886 Splints were prepared and given to the patients and the amount recovered from was Rs. 9,498.00 which was credited to the P. B. C. Fund.

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE.

The Department of Preventive and Social Medicine has now completed 24 years.

Activities and Programme :

(1) **Teaching and Training activities :** These are undertaken by the teaching staff of the department for :

(a) Undergraduate students,

(b) Post Graduate Students

(c) Interns.

(2) **Service Programmes :** are conducted at

(a) **Urban Health Centre :** Located at F/South Municipal Ward Office building.

(b) **Mobile Health Clinic :** Located at within the Community of Naigaum B. D. D. Chawls as an extension of Urban Health Centre.

Naigaon Community :

No. of Families Surveyed	..	..	..	..	1152
Immunization D. P. T./D.T./O.P.V.	..	..	..	..	1296
T. T.	..	..	..	..	81

(c) **Health Education :** Run by Dr. (Smt.) Kumud Kolhatkar.

(1) Short films in K.E.M. Hospital—200.

(2) Interns Seminar on Health Subjects—34..

(3) Meetings in community where attendance was from 50 to 500 People.

(4) Person to Person talk in Hospital—100.

(5) Person to person talk in Community—500.

(6) Poster Exhibitions—12.

(7) Major exhibition on WHO DAY—1.

Malvani Health Centre : The activities of this centre during the year 1983-84 as follows :

I Surveys conducted following which relevant services were started

(a) Survey to estimate the prevalence of Physically and Mentally, handicapped patients.

(b) Nutritional survey of School children (done twice every year).

- (c) Health status of school children (done once every year).
- (d) Survey in the community to find the scabies morbidity continuous Process
- (e) Survey of the member of pregnant women in the community and the number of dar's existant.
- (f) A special cataract survey was conducted twice so as to get more them operated in the cataract camp.
- (g) Extensive survey of 0.5 year children regarding common illness and ophthalmic status as per Royal commonwealth society proforma.

II. Promotive and Preventive Services:

- (a) Creshes and Balvadi services.
- (b) Under Five Clinics : A total of 5156 children and their mother attended the clinic regularly.
- (c) School Health services.
- (d) Expand immunisation programme of 0.5 years children. This is carried out of the following places.
- (i) It is the school premises for the riblings of school children.
- (ii) In the under five clinics.
- (iii) At the existing health centre.
- (iv) In the community from house to house.

Total oral polio vaccine given 18,582

Total DPT injection given 2,761

- (e) Mother craft Clinic : 1193 pregnant women and 500 lactatins mother attended the clinics.

III—Curative Services : 18,103 patients attended the outdoor services.

IV.—Rehabilitative Services : 340 cases of handicapped patients attended the centre for physical social and recreational rehabilitation regularly.

V.—Community Services : Family Planning Camps : 4 Camps were conducted this year in which 168 women had T. L. performed on them. Thus, this total and intergrated comprehensive health care programme is aimed at achieving a level of health that will permit the community to lead a socially and economically productive life.

DIAGNOSTIC CENTRE

	No. of Patinets
I.—Immunizations :—	
(a) Primary—D.P.T. and O.P.V.—	
D.P.T. and Oral Polio Vaccine 1st Dose	1,199
D.P.T. and Oral Polio Vaccine 2nd Dose	965
D.P.T. and Oral Polio Vaccine 3rd Dose	889
O.P.V. and Oral Polio Vaccine 4th Dose	533
O.P.V. and Oral Polio Vaccine 5th Dose	412
(ii) Booster 1st D.P.T./O.P.V.	535
2nd D.T./O.P.V.	250
(d) Meals—Vaccine (Started from 7-2-1983)	188
Total	4,971
(2) T.B. Contact Examination (Started from 12-10-1983) to 21-1-1984.	
No. of T.B. Patients Refd. by F!South Dispensary	15
No. of T.B. Contact examined	16

DEPARTMENT OF ANAESTHESIOLOGY

Department of Anaesthesiology continued to give Anaesthesia and Resuscitation services as reflected in the number of operations carried out in various operation theatres. Department also managed these service at Dr. R. N. Cooper Hospital Juhu and Municipal Hospital at Malad. In respiratory care ward critically ill patients were treated.

Anaesthesia O. P. D. continued to work smoothly.

One Cardioscope, Defibrillator equipment was acquired during the year.

Department has been actively helping Blood Bank in their blood collection drive.

At Malwani-Rural health centre anaesthesia services were provided.

Teaching programme continued throughout the year. This is reflected in excellent results at D. A. and M. D. examination. Results are available in college Data. Departmental Library has more than 300 books both from B. M. C. and outside sources.

DEPARTMENT OF BIOCHEMISTRY AND NUTRITION

This Department is concerned mainly with the teaching of undergraduate and P.G. Students viz. M.Sc. (by papers) M.Sc. (by Research) and Ph.D.

	Appeared	Passed	Dist.
1st M. B. B. S.			
April 1983 Casuals	23	17	..
Oct. 1983	153	139	43
M. S. C. Part I			
May 1983	9	5	..
October 1983	3	3	..
M.Sc. Part-II—			
May 1983	11	10	9
October 1983	..	..	..
M.Sc. (By Research)	..	..	..
Ph.D.	..	..	..

Three students have submitted their synopsis.
One student was awarded Ph. D. in Biochemistry.

ARTIST SECTION

The following work is carried out in the Department during the year :

(1) Patients Photographs	..	..	..	..	4,870
(2) X-rays exposed	..	..	..	..	4,750
(3) Specimen & Photomicrographs exposed	..	..	..	..	1,580
(4) Book Copping etc.	..	..	..	..	11,650
(5) Preparation of graphs, charts, drawings etc.	..	..	..	..	2,430
(6) Functions photographs	..	..	..	..	90
(7) Nurses Photographs	..	..	..	..	98
(8) Slides prepared	..	..	..	..	17,860
(9) Prints prepared	..	..	..	..	5,320

MEDICAL RECORD DEPARTMENT

The scheduled bed strength during the year was 1,615. There was constant over crowding in the Hospital, particularly in the Children wards and in the Female Surgical Medical and orthopaedics wards even after strict scrutiny and restriction on routine admissions.

Death Classified : Out of 4,170 deaths, 852 died within 24 hours of admission, 785 after 24 hours but within 72 hours of admission and 2,533 after 3 days or more from the date of Admission. The figures are exclusive of 240 still births, Prematurity and Neonatal deaths. Death rate was 7.9 as against 7.51 during the last year.

Confinement and Abortions : The total number of confinements was 4,314 and that Abortion was 439 (including M.T.P. also).

Medico Legal Cases : Resident Medical Officers attended the various courts for giving evidence in 741 Medico-Legal Cases. as follows :—

Metropolitan Magistrate Court : 415, Labour Court : 15

Coroner Court : 7, Juvelian Court 5, Session Court : 102, M. A. C. T. 197.

Depositions : During the year 766 depositions were filed in the Coroner's Court.

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

Under Treatment	...	...	...	...	...	5,177
Opinion and Fitness	...	...	...	...	...	6,694
Compensation	...	...	...	...	...	148
Insurance	...	...	...	...	...	118
Injury	...	...	...	...	...	140
Injury to Police (Free)	...	...	...	...	...	2,021
Municipal Staff	...	...	...	...	...	3,429

Anti Rabic Vaccination given during the year :

New	Old	Total
6,574	17,491	24,065

SOCIAL SERVICE DEPARTMENT.

The Social Service Department of K.E.M. Hospital was started in 1954. At present there are 15 Social Workers attached to the various departments.

Following are the notable activities of the Social Service Department :—

(1) Library for the patients.

(2) Free food is given to the patients relative through "Sanjivini" and every month ration to the needy patients family is provided through Vishva Hindu Parishad. Donation in form of medicines, appliances, Tricycles, wheel chairs, foam rubber, pillows and mattresses collected through various charitable organizations.

(3) Diet demonstration arranged once a week through Food and Nutrition Board Government of India for the relatives of patients from Ward I and II.

(4) Miss V. Goswami was deputed from the K.E.M. Hospital for a Management Workshop on Hospital administration at the T.I.S.S. (Tata Institute of Social Science)

(5) Miss V. Goswami took the paraplegic and orthopaedically handicapped patients for a picnic, arranged film shows, magic shows and other entertainment programmes for the patients.

(6) Miss V. Goswami got a total of ten public call office (Telephone booths) sanctioned for K.E.M. Hospital patients and did follow-up of patients with complaints of telephone booth and in self-employment scheme put a Wada-pav and Tea-stall and Dhanu, Alibaugh for a paraplegic.

(7) Social Workers attached to the Orthopaedic Centre co-ordinated the activities of N.S.S. Volunteers and also facility of full time teacher for children in Orthopaedic Ward was provided.

Different types of services rendered :

Type of Service .	No. of cases.
1. Material aid medical aid such as appliances calipers medicines, etc.	2756
2. Social data	1182
3. Case work	1042
4. Rehabilitation	235
5. Helped to discharge indoor patients when ever there is a problems ..	30
6. Relatives of patients suffering from T. B. referred to OHTC for X-ray and vaccination	350
7. Referred to other agencies & incidental	133
8. Follow up	555
Total ..	6,283

SETH DHURMAL BAJAJ ORTHOPAEDIC CENTRE & RESEARCH INSTITUTE

To streamline of the working of the Department two new units have been created on 5th May 1983. At present there are Six Orthopaedic units instead of previous four units.

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.

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 procedues introduced has improved the management of knee derangements. Injured ligaments of knee in sportsment is being reconstructed to help sportsmento continue with their sporting activities. Harrington rod fixation in spinal injuries has become a standard form of treatment.

GYNAECOLOGY AND OBSTETRIC DEPARTMENT.

Obstetrics Cases & Operations						
Total No. of Confinements	..	..	..	..	..	4314
Total No. of Deliveries	..	..	..	..	..	3875
Registered Cases	..	..	..	..	..	3597
Emergency Cases	..	..	..	..	..	278
Full Term Normal Deliveries	..	..	..	..	..	3080
Abnormal deliveries	..	..	..	..	..	795
Premature delivers	..	..	..	..	..	346
Abnormal Deliveries :						
(A) Abnormal presentations—						
—Breech	..	..	..	..	..	47
—Face	..	..	..	..	..	22
—Transverse lie	..	..	..	..	..	10
—Brow	..	..	..	..	..	3
(B) Lower Seg. Caesarian Section	..	..	..	..	..	335
(C) Forceps Deliveries	..	..	..	..	..	179
(D) Vacuum Ext.	..	..	..	..	..	18
(E) Twins	..	..	..	..	..	40
(F) Cord Presentation/Prolapse	..	..	..	..	..	2
Placenta previa	..	..	..	..	..	6
Accidental Haemorrhage	..	..	..	..	..	2
Abortions :		Ist Trimester		+IInd Trimester		
—Spontaneous	..	39	..	62	..	101
—M. T. P.	..	249	..	132	..	338
Mortality :						
Maternal Deaths	..	..	..	..	..	10
Neonatal Deaths in full term babies		..	..	..	..	35
in premature babies		..	..	..	..	84
Still births	..	..	in full term	..	..	112
			+ premature			43
Foetal Malformations	..	..	..	..	..	105
Maternal Abnormalities :						
Pre-eclampsia	..	..	..	..	..	78
Eclmpasia	..	..	..	..	..	8
Previous L. S. C. S.	..	..	..	..	..	88
B. O. H. Pregnancy						22
Heart diseases with Pregnancy	..	..	..	..	..	17
Diabetis	..	..	..	..	..	2
Jaundice	..	..	..	..	..	2
Anemia	1

Obstetrics Operations :

Total No. of Obstetrics Operations	3,260
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Tubal ligations :**Laprosopic T L —**

(i) Laparoscopy T L	390
(ii) M.T.P. with Lap. T.L.	244
Abnormal T.L.	325
Mini Laproscopy	..	..	..	..	..	4
Vaginal T.L.	..	..	..	..	..	2
Lower Segment Caesarian Section	..	..	..	..	..	328
Check Curettage	..	..	..	..	..	357
Fractional Curettage	..	..	..	..	..	15
Exploratory Laparotomy	..	..	..	..	..	33
Tightening of O.S.	..	..	..	..	..	36
Hysterotomy with T.L.	..	..	..	..	..	26
Cervical biopsy	..	..	..	..	..	19
Excision biopsy	..	..	..	..	..	8
Secondary suturing of Wound	..	..	..	..	..	18
Hysteroscopy	..	..	..	..	..	9
Manual removal of placenta	..	..	..	..	..	2
Exchange transfusion	..	..	..	..	..	90
Miscellaneous	..	..	..	..	..	202

Gynaecological Cases and Operations :

Total No. Gynecological operations	..	..	..	..	..	1,080
Simple Hysterectomy	..	..	..	..	..	354
Vag. Hyst. A. P. Repair	..	..	..	..	..	253
Abd. Hysterectomy	..	..	..	..	..	104
Expl. Laparotomy	..	..	..	..	..	61
Fothergills	..	..	..	..	..	12
Modified Fothergill's	..	..	..	..	..	5
V. V. F.	..	..	..	..	..	9
Wertheims	..	..	..	..	..	9
Cervicopexy	..	..	..	..	..	24
A. P. Repairs	..	..	..	..	..	9
Tuboplasty	..	..	..	..	..	20
Myomectomy	..	..	..	..	..	13
Schauta's Hysterectomy	..	..	..	..	..	1
Le. Forts Operations	..	..	..	..	..	2
Kelly's repairs	..	..	..	..	..	8
Vaginal Plasty	..	..	..	..	..	2
Ovarian Cyst.	..	..	..	..	..	9

Shirodkar's abdominal sling operation	..	..	..	..	..	..	8
Cone Biopsy	..	..	..	..	..	..	1
Lapsoscopy :							
D. & C.	..	..	..	..	..	..	339
D. & C. with diagnostic scopy	..	..	..	..	..	..	449
Diagnostic scopy	..	..	..	..	..	..	314
Miscellaneous	..	..	..	..	..	..	62
Cytopathology Department: :							
Cytology :							
Gynaec O. P. D.	..	..	..	..	..	..	9438
Antenatal	..	..	..	..	..	..	3,284
Family Planning Deptt.	..	..	..	..	..	..	43
Miscellaneous	..	..	..	..	..	..	422
Total	..	..	..	..	..	..	14,187
Aspiration of tumour	i..	..	..	..	..	..	70
Abnormal Cytology :							
Mild Dysplasia	..	..	..	..	..	..	32
Moderate Dysplasia	..	..	..	..	..	..	30
Severe Dysplasia	..	..	..	..	..	..	15
Suspicious	..	..	..	..	..	..	10
C. I. S.	..	..	..	..	..	..	8
Invasive Carcinoma							
	—Clinically negative	..	..	..	..	..	11
	Clinically positive	..	..	..	..	..	58
Histology :							
Cervical Punch Biopsies	..	..	..	..	..	..	19
Colposcopically directed biopsies	..	..	..	..	..	..	30
Hysterectomies	..	..	..	..	..	..	25
Endometrial Biopsies	..	..	..	..	..	..	223
Miscellaneous	..	..	..	..	..	..	58
Products of Conception	..	..	..	..	..	..	101
Follow-up	..	..	..	..	..	..	80%
Correlation between cytology and histology	..	..	..	..	..	..	90%
High Risk Pregnancy Clinic							
The special High Risk Pregnancy Clinic is run twice Tuesday and Thursday between 9-00 A.M to 12-00 Noon.							
The New patients registered and followed up in the Clinic were :							
B.O.H. New Patients	..	..	..	..	..	..	171
B.O.H. Old Patients	..	..	..	..	..	..	36
Rh-ve new patients	..	..	..	..	..	..	114
Rh-ve old patients	..	..	..	..	..	..	87
Dr. N. A. Purandare Research Centre :							
I—Serology :							
Blood group Rh	..	..	..	..	..	..	4,350
V. D. R. L.	..	..	..	..	..	..	4,453
Antibodies	..	..	..	..	..	..	258
Cord blood for DCT	..	..	..	..	..	..	83
Jaundice cases Rh & S. Bilirubin	..	..	..	..	..	..	140
Hb. estimations	..	..	..	..	..	..	4,500
II—Microbiology :							
Trichomoniasla, Monilasia Screeing	..	..	..	..	..	..	312
Culture of Hemolytic organism	..	..	..	..	..	..	39
III — Biochemical :							
Blood sugar	..	..	..	..	..	..	3,670
G. T. C.	..	..	..	..	..	..	208
Creatinine	..	..	..	..	..	..	787
B. U. N.	..	..	..	..	..	..	2,311
Liver Function Test	..	..	..	..	..	..	149
Fibrinogen	..	..	..	..	..	..	48
Protein	..	..	..	..	..	..	725
Uric Acid	..	..	..	..	..	..	733
Complete Blood Count	..	..	..	..	..	..	432
(Quality Control Programme of Vellor Participating from June 1981.)							
IV—Hormones Routine							
H. C. G. Hormone Test	..	..	..	..	..	..	51
Estrogen and Creatinine. in H. R. P.	..	..	..	..	..	..	1,015
17 Ketosteroides in Gynaec disorders	..	..	..	..	..	..	45
Special Studies :							
Semen Analysis	..	..	..	..	..	..	1,482
Bar Bodiss in Endocrine patients	..	..	..	..	..	..	51
RH immunoglobulin Injection Trial in Rh Neg. women	..	..	..	..	..	..	208
A new Seriological ABO in compability in new borns	..	..	..	..	..	..	153
Fetomaternal Hemorrhage study	..	..	..	..	..	..	83
Reserve Albumin Binding Capacity in neonates by HABA	..	..	..	..	..	..	58

Amniotic fluid study for fetal maturity :

(i) Nile Blue Test	..	..	..	..	..	34
(ii) Shake Test	..	..	..	..	..	34
(iii) Spectrophotometry	..	..	..	..	..	19
(iv) Creatinine ratio in amniotic fluid	25

Endocrine O. P. D. :

Total No. of New Cases	140
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Menstrual disorders :

Primary Amenorrhoea	19
Secondary Amenorrhoea	39
Other menstrual disorders	60
Sterility	..	..	..	..	..	82
Galactorrhoea	..	..	..	..	..	5
Precocious Puberty	..	..	..	..	..	2
Vaginal Smear	..	..	..	..	..	305
Cervical Mucus Studies	..	..	..	..	..	620
Induction of Ovulation	..	..	..	..	..	45
Endometrial Biopsy	..	..	..	..	..	35
Semen Examination	..	..	..	..	..	145

M T. P. Sections :

Total M. T. P.	..	..	..	..	..	1451
Second Trimester	..	..	..	..	..	288
Menstrual regulation studies (Included in Ist trimester)						111
Out-patient suction evacuation of Ist trimester M. T.P.	..	..	..	..	..	758
Cancer Cytology in M. T. P. Cases	..	..	..	..	..	All patient
Sulprostone injection	..	..	..	..	..	34
I. M. Prostaglandins	..	..	..	..	..	80
Intra Menstrual Prostaglandins O+tent	..	..	..	..	..	18
Intra-amniotic saline	..	..	..	..	..	168
Extra amniotic Emeredil	..	..	..	..	..	48
Hysterotomy	..	..	..	..	..	18

Oral Contraceptive Centre

	Oral pills	Cut	Multiload	Net Inj.	LP
Total No. of new patients	118	490	..	109	116
No. of cases continuing at the end of the year	598	1992	591	344	367
No. of cases closed during the year	122	309	122	80	88

Post Partum Programme Section :

Months	Vasectomy	Tubectomy	I. U. C. D.	M. T. P.	Condom
January	4	101	39	163	94
February	5	92	39	143	102
March	4	97	43	196	94
April	5	97	75	160	146
May	1	90	53	169	71
June	2	84	53	126	97
July	9	104	37	95	90
August	9	114	38	95	190
September	5	93	48	104	126
October	3	87	55	98	168
November	3	107	39	97	120
December	3	85	73	105	128
Total	53	1151	592	145	1426

C. V. T. C. Laboratory Section :

The Cardio-Vascular and Thoracic Centre and 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 1983 were as follows :—
I-CLINICAL PATHOLOGY SECTION :

	No. of samples	No. of Tests
(a) Complete Haemogram. (Haemoglobin RBC, Total & differential Count PCV, & ESR)	8306	41580
Malarial parasites	60	60
Lupus Erythematosus (L. E. Call)	85	85
(b) Routine analysis of Urine, Stool, Sputum & body Fluid including microscopic examination.		
Urine	3981	11943
Stool	2821	5642
Sputum	1903	1903
Pleural Fluid	74	74
	17,235	61,287

II-BIOCHEMICAL SECTION :

	No. of Samples	No. of Tests
(a) Liver Functions Test	3,945	19,725
Alkaline Phosphatase	116	116
Acid Phosphatase	10	10
Prothrombin Time	1,938	1,938
Clotting time	1,560	1,560
Bleeding time	1496	1496
E. P. P.	97	97
Serum Glutamic Oxalacetis Transaminase	5,167	5,167
Serum Glutamic Pyruvate Transaminase	5,180	5,180
(b) Carbohydrate metabolism—		
Blood Sugar	5,773	5,773
Urine Sugar (Quantitative & Qualitative)	742	742
(c) Kidney Function Tests—		
Blood Urea Nitrogen	6,885	6,885
Creatinine	1,856	1,856
Uric Acid	224	224
(d) Lipid Profile—		
Total Cholesterol Triglycerides	1,160	1,160
(e) Serum Electrolytes—		
(Sodium, Potassium & Chlorides)	14,549	43,647
Calcium (Ca)	71	71
Phosphorous (P)	57	57
Cholesterol	1,254	1,254
V.M.A.	14	14
L.D.H.	43	43
C.P.K.	23	23
L.P. EPP	272	272
	52,432	97,310

III-HISTOPATHOLOGY SECTION :

(1) Surgical SP. received and Processed	489
(2) Surgical Slides stained	1063
(3) Autopsy specimens received & Processed	280
(4) Whole lung sections processed	13
(5) Cytology samples processed	351
(6) Cytology slides stained	1053
(7) P. M. sections processed	4400
(8) P. M. slides stained	8800
(9) Special Stains on P.M.. and Surgical	430
	16,879

IV Research Section :

1. Cholesterol	356
2. Study of Lipid fraction	
(a) HDL Cholestrol	298
(b) VLDL Cholestrol	298
(c) LDL chollesterol	298

3. Triglycerides	..	..	..	..	..	315
4. HDL Triglycerides	..	..	..	..	..	292
5. LDL Triglycerides	..	..	..	..	..	292
6. VLDL Trugktcerudes	..	..	..	..	..	292
7. Lipoprotein Lipase	..	..	..	..	..	19
8. LCAT	..	..	..	..	..	165
9. Apoproteins	..	..	..	..	..	301
10. IGE	..	..	..	..	..	20
11. Trypsin	..	..	..	..	..	10
12. Chynotripsin	..	..	..	..	..	10
13. Xylose	..	..	..	..	..	10
14. LDH	..	..	..	..	..	125
15. LDH iso enzymes	..	..	..	..	..	125
16. Total C.K.	..	..	..	..	..	76
17. C.K. iso enzymes	..	..	..	..	..	76
18. MBD	..	..	..	..	..	80
19. Phosphoeipids	..	..	..	..	..	256
Total						3,714

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

Audiology cases	New	..	..	..	..	3718
	Follow up	..	..	..	..	662
	Impedance	..	..	..	..	1620
	Bekesy	..	..	..	..	103
	Glycerol	..	..	..	..	80
	Total cases : ..	..	..	..	..	6183
Free Field	..	..	..	..	..	225
Speech cases	New	..	..	..	..	250
	Regular Therapy sessions	..	..	..	..	2500
	Total cases : ..	..	..	..	..	2570
Total ENG cases	..	..	..	..	..	650
Total CCG cases	..	..	..	..	..	125

TUMOUR CLINIC

About 500 patients (Outdoor and Indoor, were seen in the tumour clinic. Follow up of old patients was carried out and treatment planning was done for new patients. For advanced cases Chemotherapy and pain relief service was offered. The trial of indigenous drugs continue.

There is no financial grant for this clinic.

DEPARTMENT OF MEDICINE

The Department of Medicine consists of 6 medical units 3 of them headed by full-time professors and 3 by honorary professors. Division of Endocrinology and Metabolic Disorders separated off into an independent department during the year under observation. This brings the total sections under the Head of the Department of Medicine as follows :

(1) Nephrology (2) Gastroenterology (3) Haematology (4) Tetanus (5) Arthrities and Immunology (6) Nuclear Medicine.

Dr. Smt. V. N. Acharya continues to be the Head of the Department of Medicine. The departments back-up laboratories for service research and training which included Biochemistry section in No. 44 43 laboratories, and applied biology section in No. 26 laboratory had a new appointment in Dr. A. V. Potnis who took over as Ag. Professor of Clinical Chemistry.

The Nuclear Medicine Laboratory under the charge of Dr. G. H. Tilve which was augmented by addition of scanner camera has put the same to considerable use and has done several scans include brain scan liver and spleen scans, kidney scans and bone scans. Besides this, the laboratory continued to offer the Radioisotope services for different ailments.

The Artificial Kidney Department of the Nephrology Section of the Department of Medicine continued its multifarious responsibilities including dialysis of acute and chronic renal failure patients with transplantation. Addition of 2 new proportionating extracorporeal single patient Unit has helped shoulder considerable loads of dialysis patients in addition to already existing 5 bedded central monitoring unit. The unit has started use of disposable dialysers and has achieved lot of economy by reusing of them on 4 to 5 occasions. Clearance studies with such use is being undertaken to see if such use is fruitful besides being economical. The applied biology laboratory attached to the Unit continued to study the problem of UTI as a part of preventive programme or renal failure. The training programme of nurses training and other personnel in the art of science of dialysis is being continued as before.

The Arthritis and Immunology clinic continued to offer its good services to its patients. Laboratories No. 44, 45 and 26 continued to share very heavy workload and during the year under consideration a total of 253 115 investigations of various types were done in these sections.

The A. K. D. Division of Nephrology has now completed 20 years of its existence. The Renal clinic an important component which looks after the preventive aspects of renal diseases and renal-failure continues to be run by appointment twice a week on Monday and Thursdays. The clinic saw 1864 patients during the year 1983. Bacteriology of Urine, diet advice and certain immunological tests were done on the spot for all the patients attending the clinic. A special clinic for early detection and treatment of renal involvement in diabetics is run once a week and has been found to be very useful a positive step forward in preventing end stage diabetic renal disease.

A total of 106 kidney biopsies were done in the clinic. Many patients were referred as emergency cases for consideration for dialysis by various units of this hospital and from outside to include patients from the city of Bombay, various cities of Maharashtra and other neighbouring states.

A total of 1953 dialysis were performed on 321 patients during this year 1816 hemodialysis and 137 peritoneal dialysis

Dialysis	Acute Renal failure	Poisoning	Transplant	Chronic Renal failure	Total pts.
Hemodialysis	1816	178	16	36	1586
Peritoneal dialysis	137	66	1	..	70

The hemodialysis service has been markedly improved with the two new Extra corporeal single patient system in addition to the older Extra corporeal D. P. M. system which can dialyze 5 patient simultaneously and the two existing Drake-wellock single patient systems. Apart from the already existing kiil dialysers, Hollow fibre dialysers are being used in a big way. Each dialyser is being reused 4-5 times for the same patient as an economy measure. Clearance studies involving various dialysers are being undertaken, to see if such use is fruitful.

The training programmes for Doctors, Nurses and Technicians were conducted as usual to include theory as well as practical demonstration. Each course was spread over a period of 3 1/2 months. Sequestrial ultrafiltration hemodialysis was put to use with very good results on patients undergoing hemodialysis and this resulted in saving of dialysate.

Biochemical Section of Deptt. of Medicinæ & Surgery :

Laboratories 44, 45, & 37—

Biochemical (Routine)

BUN	..	..	..	..	..	19,206
Creatinine	..	..	..	..	..	19,206
Proteins (Alb. & Glob.)	..	..	..	..	..	19,206
Serum uric acid	..	..	..	..	..	3,312
Urine uric acid	..	..	..	..	..	1,429
Bilirubin (total and direct)	..	..	..	..	..	19,206
Enzyme (SGPT)	..	..	..	..	..	8,992
(SGOT)	..	..	..	..	..	8,426
Sugar	..	..	..	..	..	9,871
Calcium	..	..	..	..	..	1,686
Phosphorus	..	..	..	..	..	1,686
Alk. Phosphatase	..	..	..	..	..	1,790
Electrolytes Na.	..	..	..	..	..	30,240
K.	..	..	..	..	..	30,240
Cl-	..	..	..	..	..	30,240
HCO ₃	..	..	..	..	..	30,240
Serum Cholesterol	..	..	..	..	..	1706
Urine Chemistry	..	..	..	..	..	640
Acid Phosphatase	..	..	..	..	..	32
(B) Hemotological Investigations (Routine)						
WBC—T/D, RBC, Hb, PCV, ESR Recticount, Platelet, count.	..	..	..	..	..	6,829
(C) Routine Urine Analysis						
(Sp. Gr. Alb. Sugar, Microscopic, Spectroscopic).	..	..	..	..	..	6,128
(D) Stool examination and Sigmoidoscopy swab.	..	..	..	..	..	1127
(E) Special Studies						
Creatinine	..	..	..	..	..	670
Osmolality (P of U.)	..	..	..	..	..	522
Blood and urine barbiturate	..	..	..	..	..	226
Blood ammonia	..	..	..	..	..	36

Methamoglobin	..	..	..	..	20
Fibrinogen	..	..	..	..	..
Prothrombin time
Serum EPP
Serum Iron and Iron binding capacity	16

Total	2,52,928
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Department of Gastroenterology :—

(1) Total Number of new patients attended O.P.D.	1,159
(2) Total Number of Patients admitted	..	..	..	..	145
(3) Sigmoidoscopic Swab	..	..	..	..	150
(4) Faecal fat studies	..	..	..	..	175
(5) D'xylose studies	..	..	..	..	45
(6) Augmented Histamin tests	..	..	..	..	30
(7) Lactose tolerance test	..	..	..	..	15
(8) Amylase	..	..	..	..	50
(9) Sigmoidoscopies	..	..	..	..	175
(10) Upper G.I. Endoscopies	..	..	..	..	1,006
(11) Colonoscopies	..	..	..	..	28

Radioisotope Laboratory :

(1) Charcoal T3 uptake studies	..	..	..	..	878
(2) Radio Iodine uptake tests	..	..	..	..	643
(3) Thyroid cans	..	..	..	..	356
(4) Brain Scans	..	..	..	..	1441
(5) Liver and Spleen Scan	..	..	..	..	1210
(6) Kidney scans	..	..	..	..	97
(7) Bone Scans	..	..	..	..	87
(8) I-131 Therapy doses	..	..	..	..	109
(9) Preparation of tracer doses	..	..	..	..	643
(10) Preparation of lyophilised kits of phytate	..	..	..	..	95
(11) Preparation of lyophilised kits of EHDP	..	..	..	..	21
(12) Preparation of lyophilised Kits of GHA	..	..	..	..	45
(13) Endocrine OPD-New Patients	..	..	..	..	1413
Old Patients	..	..	..	..	2403

Bacteriological cultures and antibiotic sensivity tests :

(1) Urine cultures	..	..	..	..	2507 samples
(2) Mild stream urine and catheter samples	..	..	..	..	2416 "
bladder puncturers	..	..	..	..	91 "
(3) Blood cultures	..	..	..	..	61 Pts.
(4) Miscellaneous cultures	..	..	..	..	533 samples
Woound swabs	..	..	..	..	218
Catheter tips	..	..	..	..	188
Peritoneal fluid	..	..	..	..	104
Ascitic fluid	..	..	..	..	23

Immunological investigations :

(1) Detection Australia Antigen and Australia antibodies	..	..	..	..	97 Pts.
(2) Determination of antibody tires in recurrent urinary tract infection	..	..	..	..	56 "
(3) Detction of Immunoglobulins (IgG, IgA, & IgM) complements (C3 & C4).	..	..	..	..	78 "

Drug trials :

(1) TMP (100 mg) trial	..	..	..	..	..
(2) TMP + SMZ trial	..	..	..	..	..
(3) TMP + NF short term trial	..	..	..	..	..
(4) TMP + NF long term trial.	..	..	..	..	..
(5) Natilimicin single dose trial	..	..	..	..	..
(6) Cefazoline trial.	..	..	..	..	..
Coagulogram	..	..	..	..	47
Prothrombonin time	..	..	..	..	771

The Division of Endocrinology and Metabolic Disorders :

The Division gave service to out-patients as under.

	New patients	Old patients
Diabetes Clinic	725	11684
Endocrinology Clinic	1413	2403
Puberty and Growth Clinic	151	161
Total	2,289	14,248

The Division treated 244 patients as inpatients.

The Laboratory of the gave service as shown in the Appendix.

Test	Number
Blood sugar	13116
Urine sugar	2116
Urine albumin	1170
Urine routine	1180
Urine a cetone	177
Urine bile pigments	15
Hemoglobin	1156
E. S. R.	1102
W. B. C. Count	1087
Serum Proteins	927
Blood Urea Nitrogen	950
Serum Cholesterol	1026
Serum Creatinine	165
Creatinine Clearance	73
Acid Load Test	26
Water Load Test	4
Osmolality	101
Barr Body Determent	111
Quantitative Urine Sugar	19
Glycosylated Hb.	60
17 Ketosteroids	5
17 Ketogenic steroide	5
T4 by RIA	14
Total	24605

Dr. J. C. Patel Department of Haematology :

Department continues to offer its valuable services to patients, most of whom are referred by other departments in the hospital or by other hospitals. Research work on tissue effects of iron deficiency is being continued. In October 1983 department was approved by the Bombay University for D. M. Haematology and has been permitted to enrol students. Two post-graduate students wrote their thesis based on the actual work that they carried out in the department.

O. P. D. Patients	5947	New—2773
		Old—3174
Indoor Patients	283	Male—182
		Female—99
		Male children— 2

Investigations

	Nos.
Complete Blood—count	8783
Erythrocytes sedimentation Rate	803
Bone Marrow Aspiration & Biopsy	637
L. E. Cells Test	339
Bone-Marrow Iron Staining	586
Urine Haemosiderin	182
Serum-Iron	1684
Total Iron—Binding Capacity	1684
Red-Blood-Cell. Fragility	1504
Sickling	1498
Foetal Haemoglobin	1498
Haemoglobin Electrophoresis	1498
Sucrose Lysis	360
Clotting Time	415
Bleeding Time	415
Prothrombin Time	431
Clot Retraction	415
Thrombin Time	172
Platelet count	150
Thromboplastin Generation Test	358
Partial Thromboplastin with Kaolin	629
A. H. G. Level	112
Factor XIII	428
Stypven Time	5
Fibrinogen Level	6
Euglobulin Lysis Time	12
Urine—Routine	655
Bilirubin	655
S. G. O. T.	655
S. G. P. T.	655
Serum Protein Total	615
Albumin	615
Serum Protein electrophoresis	225
Serum Alk. Phosphatase	625
Au Antigen	600
Au. Antibody	600
V. D. R. L.	550
Gama—G. T.	225

Department of Cardiology**Intensive Cardiac Care Unit**

Cases admitted Ward 32 ICCU	..	..	..	..	..	961
Pacing · Temporary	..	..	..	..	..	64
Permanent	..	..	..	..	..	21
Pacemaker followups	..	..	..	..	..	140
Echocardiography	..	..	..	..	..	428
Vectorcardiography	..	..	..	..	..	Nil
His Bundle Studies	..	..	..	..	..	27
ECGS. ICCU ..	..	..	..	..	..	3,440
Ward no. 32	..	..	..	..	..	2,880
Treadmill stress test	..	..	..	..	..	154
Cardioversions	..	..	..	..	..	56
Cardiogenic shocks	..	..	..	..	..	76
Oesophageal ECGs	..	..	..	..	..	5
Rehabilitation · Occupational Therapy	..	..	..	..	..	Nil
Physiotheraph	..	..	..	..	..	1829
Isoprenaline & Atropine studies	..	..	..	..	..	55
Arrhythmias		Major	Minor	..	..	50
				..	..	250
Vakil Institute of Cardiology						
Cases admitted	..	..	..	..	..	1699
Echocardiography	..	..	..	..	..	1,446
Treadmill Stress Test	..	..	..	..	..	173
Electrocardiograms	..	..	..	..	..	3,061
Occupational Therapy	..	..	..	..	..	382
Physiotherapy	..	..	..	..	..	284
Cardiac Catheterization	..	..	..	..	..	225
Ciney angio	..	..	..	..	..	10

UROLOGY DEPARTMENT

During this year the Total O. P. D. attendance in the Urology-Andrology O. P. D.'s was 3746 patients.

The Indoor admissions were 817.

Operative work included in all 649 operations. Of these 230 were endoscopic procedures 40 cases were operated under microscope and 7 transplants. The total number of diagnostic scopies performed were 1037.

Video filming of operative procedures and microscopic photography for teaching purposes has been started in a regular basis. The Nocturnal Penile Tumescence Monitor has been put to use on an active basis with more than 35 patients evaluated on this machine.

DEPARTMENT OF PLASTIC SURGERY

(1) Weekly out-patient Clinic held every Thursday in the afternoon	..	850
(2) Follow-up clinic conducted by the Honoraries staff thrice a week	..	1,706
(3) Patients referred from other departments to this department	..	568
(4) The feeding guidance clinic held every Sunday morning for Cleft Lip and palate patients.	..	120
(5) Keloid Clinic for Kenacort Injection held every Thursday morning	..	210
(6) Patients referred from the Casualty department	..	2,026
(7) Indoor patients admitted in Ward No. 16	..	442
(8) Patient Treated in Burns ward	..	138
(9) Operative procedures carried out in P. S. T.	..	723
(10) Emergency procedures carried out in J. M. T.	..	1,282
(11) Outdoor dressings carried out in the department	..	5,771

DEPARTMENT OF CHEST MEDICINE

The load of out-patient and inpatient departments showed an increase in the year 1983.

1661 new cases were registered in chest cilnic and 13280 old cases were attended in addition for regular follow up.

757 patients were admitted for indoor treatment in the year 1983. The number of patients referred for intensive care was 206 as against 227 in 1983

82 patients were put on respirator.

26 cases were operated in this unit in the year 1983. Allergy testing with skin test was done on 90 patients. Work load of Pulmonary Function Laboratory in 1983.

Ward samples	Blood Gas		P. F. T.	
	Art Puncture study	Catheter samples.	Old & Indoor patients	Research patients.
5937	304	2072	842	318

Department of Neurology

This department runs two neurology and two epilepsy out-patients departments per week.

E. E. G. department functions well and has recorded 854 graphs from Jan. to Dec. 1983

E. M. G. Units are picking up the work and total 154 E. M. G.s have been done last year.

Good epilepsy patient follow up is done regularly both from medical and social angle by doctors and medical social worker.

DEPARTMENT OF NEUROSURGERY

The department continues to attract patients from wide draining area ranging from Uttar Pradesh and Chandigarh to Karnataka and Kerala. The availability of highly specialised equipment and the expertise for the performance of procedures such as selective angiography, therapeutic embolisation, microvascular anastomoses and trans-sphenoidal surgery, on sellar and parasellar lesions make this Centre a major neurosurgical referred Unit

Microscopic surgery, in general, has now been carried out almost a routine for some years and the accuracy and safety of complex, delicate operations highly envied.

out-patient service at the R. N. Cooper Hospital :

This service continues to meet a great need. During the year 250 new patients were seen of whom 53 transferred to our K. E. M. Hospital department for investigation and surgery

Investigations during the year 1983 19 : 2068

Operations performed during the year 1983 : 737

DEPARTMENT PAEDIATRIC MEDICAL

Indoor patients	Male child	1680
	Female Child	1074
	Total	2754
Out door patients		7.876
New Borns (Post-natal ward)		
Total live births		3911
Total still births		143
Perinatal mortality, per 1000		70
Speciality O. P. D. attendance:		
—Juvenile Diabetes		27
—Genetic clinic :		605
—Paediatric Chest clinic Asthma.		608
	T. B.	652
—Rheumatic/Nephrology		
	Rheumatic	990
	Renal	216
—Well Baby Clinic—New Patients followed up		2243
—High Risk Infant O. P. D.	New Cases	136
	Old cases	157

Urban Health Centres :

1. Malvani : Unit I
2. Prabhadevi : Unit II
3. Naigaum Urban Slums : Unit III

Urban Health Programme :

1. Malvani slum welfare Centre : Unit I and P. S. M. Dept. consultancy service provided by visiting Paediatrician every Wednesday afternoon.
2. Prabhadevi child Welfare centre Unit II
3. Naigaum child welfare centre Unit III

School Health Clinic

Under this programme, children from Municipal school in the 'F' and 'G' Wards are transported to K. E. M. Hospital for check-up investigations and treatment.

Paediatric Research Laboratories :—

The Lab. has continued to make progress both in research and patients service. 605 patients were examined and evaluated in 1980 majority of these were referrals from other wards, other hospitals and practicing physicians and paediatricians.

Well baby Clinic :	Unit Nos.	New patients	Old patients
	I Dr. N. B. Kumta.	731	2118
	II Dr. M. D. Shah.	459	1330
	III Dr. P. W. Kandoth.	1053	..
Dr. M.D. Shah :			
— Diabetic O. P. D. attendance	..	27	
— T. B. O. P. D. attendance	..	652	
— P. C. C. attendance	..	608	
Prabhadevi maternity hospital. (Unit II)			

	Milk	Dist. E.	Nutrition		Clinic Visit		Home Visit	
			Class N	Class BN	New	Old	New	Old
	3687	798	52	2057	117	748	447	314
	I	II	III	IV	V			
Polio	1233	933	744	634	475			
Triple	1233	933	744					
Booster :	393							
B. C. G.	2947							
Measles :	192							
Vit. A-1	147			Vit. A—Re	785			
Health Talk	123			Ref. to K. E. M.	21			
Deliveries	1935			Sterilisation	459			
M. T. P. (With Loop)	78			D & C	121			
Prophylaxis against Nutri. Anemia	20,669			Rem.	896			
Admission	15			M. T. P. with Sterilisation	3			
Discharge	17							

Naigam Maternity home (Unit III).

Milk attendance 28,565

Clinics .

Home visit

IFV	IR▼	TFV	TRV	Others	IFV	IRV	TFV	TRV	F. P.
230	455	47	429	25	161	213	96	215	30
		I	II	III	IV	V			
Polio		644	466	393	242		202	1Boo :118 2 Boo: 63	
Triple		644	466	393			1Boo:118 2 Boo : 63		
B. C. G.		..	1639		Nutri. Class		..	828	
Health Talk		..	31		Month Attendance		..	846	
Measle vaccination		..	99		Vit. A		..	2513	
Vit. D.		..	71		Brofilacted against PANA in child		..	4530	

DEPARTMENT OF DERMATOLOGY

Statistic of patients treated in the Leprosy Unit :

New patients registered at K. E. M. Hospital	--	--	--	438	
Repeated patients	..	..	..	2479
Referred from A. I. H.	..	..	..	7
Patients from T. B. R.	..	..	..	2129
Patients from N. B. R.	..	..	--	350
Analysis of New patient :	..	..	..	..
		Tuberculoid	Intermediate	Depromatus	Total
Male	..	251	11	8	270
Female	..	117	3	1	121
Children	..	47	47
Total	..	415	14	9	438

Analysis of Old patients :

		Tuberculoid	Intermediate	Lepromatus	Total
Male	..	1249	207	125	1581
Female	..	670	52	34	756
Children	..	142	..	..	142
Total	..	2061	259	159	2479

Bact. Smear done 557

Positive 80

Negative 477

Sweat Function 139

Statement showing the out-patients treated in the department of Mycology during the year 1983.

Total scraping done	..	..	..	..	1430
Cultures done out of which	..	..	..	..	632
T. Corporis	..	..	..	..	53
T. Cruris	..	..	..	..	15
T. Capitis	..	..	..	..	24
R. Barbae	..	..	..	..	5
T. Pedis	..	..	..	..	20
T. Axillaris	..	..	..	..	3
T. Manum	..	..	..	..	13
Mychomycosis	..	..	..	..	22
Monilliasis	..	..	..	..	22
Mycetoma	..	..	..	..	8
Deep mycosis including C. S. F., Biopsy, Pus, Sputum Gastric lavage etc. for culture	..	..	..	..	407
Ophthalmic scraping & cultures	..	..	..	..	40

Diagnoses wise classification of outpatients (S. T. D. cases) treated during the year 1983 :

Chancroid	..	..	..	..	718
Syphilis	..	..	..	..	406
Gonorrhoea	..	..	..	..	232
Others	..	..	..	..	664

V. D. R. L. exam. done during the year 1983 :

Positive	Weekly &ve	Negative	Total
320	74	1748	2142

Sexwise classification of new S. T. D. cases :

Male	Female	Children	Total
1890	110	20	2020

Total (New & Old) S. T. D. cases treated in the year 1983 :

New cases	Old cases	Total
2020	2210	4230

Total Inpatients treated during the year :

Male	Female	Children	Total
261	91	21	373

Total (New & Old) cases treated in the O. P. D. during 1983 :

New cases	Old Cases	Total
13,339	13,713	27,112

MOLECULAR BIOLOGY DEPARTMENT

In the Molecular Biology Department following samples are processed for microbiological investigations routinely; Urine, pus, wound swabs, throat swabs, blood, body fluids like peritoneal fluids, ascitic fluid etc. Nearly 850 different samples were processed for bacteriological examination. The isolates were tested for antibiotic sensitivity to various commonly used antibiotics similarly these isolates were also screened for the presence of transferable drug resistance markers which play an important role in spread of nosocomial infection.

Blood and throat swabs are accepted from various units of this hospital for serodiagnosis of streptococcal infections and culture & AST for streptococci respectively. The isolates are grouped by serological techniques. About 900 samples were processed for serodiagnosis. the techniques included were ASLO test, streptozyme test, AtniDNAase B test, ELLSA test etc.

Samples for acid fast bacilli are accepted from different units of the hospital and are processed by the routine procedures strains of mycobacteria isolated are checked for antibiotic sensitivity testing against drugs like, streptomycin, ethambutol, rifampicin, paraminosalysilic acid, isoniazide, thoacetazone etc. The fluorescent staining method which helps in reducing the time required for screening the AFB smears and also increasing the sensitivity and the reliability of the results was employed for the first time in K. E. M. hospital along with the routine AFB staining.

The epidemiological methods useful in characterising the bacterial isolates, carried out in department are as follows : Phage typing of salmonella paratyphi A, phage typing of Mycobacterium tuberculosis, bacteriocin typing of Pseudomonas aeruginosa, Protasus, Beta hemolytic streptococci.

DEPARTMENT OF PSYCHIATRY

The Department of Psychiatry managed by six honoraries. one lecturer, one tutor and nine residents offers outpatient and inpatient services.

The Department offers various psychiatric treatments like electroconvulsive therapy (ECT) modified insulin therapy, carbondioxide abreactive therapy, behaviour therapy, abreactive therapy, behaviour therapy, psychopharmacotherapy, 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 male child guidance clinic and maintenance therapy of chronic schizophrenics.

No. of patients various services in '1983'—

			No. of Patients	No. of Sessions
1. New patients seen in O. P. D.	..	..	4242	..
2. Follow-up O. P. D. visits	..	..	15369	..
3. Indoor admissions	..	..	1324	..
4. Electroconvulsive therapy (ECT)	..	..	1007	4909
5. Carbon dioxide abreactive therapy ¹¹	..	..	3	8
6. Behaviour Therapy	..	..	90	286
7. Alcohol Group Therapy	..	..	305	1124
8. Child Guidance Clinic	..	..	95	242
9. Sex Education Therapy	..	..	534	1444
10. Occupational Therapy	..	..	1065	11247
		Indoor Cases	..	..
		O. P. D. Cases	..	595
11. Biofeed back therapy	..	..	236	..
12. Electro myography (anxiety cases)	..	..	47	on going
13. E.E.G.	..	8 channel	..	875
	..	16 channel	..	127

14. Workload of Psychiatric Social Worker :—

(a) Collection of Social data	..	..	..	723
(b) Social work — Short term	..	..	..	210
(c) Brief Psychotherapy	..	..	..	254
(d) Family Therapy	..	..	..	52
(e) Marital Counselling	..	..	..	39
(f) Orientation to parents of mentally retarded children and referral to school for M. R.	..	..	..	88
(g) Referral to School for mentally retarded..	..	..	..	54
(h) Rehabilitation by referral to employment agencies	..	..	..	30

15. Psychologist's report :

(a) Rorschach	..	..	..	926
(b) MMPI	..	..	..	506
(c) Intelligence tests (IQ & SQ)	..	..	..	1095
(d) TAT & CAT	..	..	..	121
(e) B. G. and W.M.S.	..	..	..	521
(f) Miscellaneous (TMAS HARS HPRSD HOQ MRS)	..	..	..	317

Treatment programme :

1. Drug Therapy.
2. Electroconvulsive therapy.
3. Modified Insulin therapy...
4. Abreactive therapies.
5. Psychotherapy.
6. Behaviour therapy.
7. Group psychotherapy for sexual problems of males.
8. Child Guidance clinic.
9. Occupational Therapy.
10. Maintenance therapy of Schizophrenia.
11. Lithium therapy clinic.
12. Biofeedback therapy.
13. Walk in clinic.
14. Liaison psychiatry programme.

MEDICAL CHECK-UP CENTRE

The Centre has examined, investigated and treated 209 patients during the year.

DEPARTMENT OF RADIOLOGY

Statement showing the work done in the Department of Radiology from 1-1-183 to 31-12-83.

Procedures	General Radiology Section (No. 10)	Vascular Radiology Section (No. 53)	Radiology Section Department of Neuro- Surgery	Radiology Section Orthopaedic Centre	Total	
1	2	3	4	5	6	
Angioplasty	247	..	..	247
Arteriogram	2	..	..	2
Cartoid	..	640	20	..	..	660
4 Vessal	..	15	2	15	..	32
Peripheral & Visceral	129	..	..	129
Pulmonary	1	..	..	1
Spinal	..	1	1	..	..	2
Vertebral	..	12	1	12	..	25
Arthrogram	6	6
Biopsy lung fluoscopic	5	..	..	5
Bronchogram	50	..	..	50
Cholacystogram. oral	..	173	..	..	..	173
Cholangiogram
intravenous
parcutaneous.
transhepatic	16	..	..	16
Cisternogram Myodil	..	6	..	..	..	6
Cystourethrogram. voiding	..	150	..	..	..	150
Drainage percutaneous.	11	..	..	11
biliary	5	..	..	5
Embolisation
Gastrointestinal series	..	1535	..	..	..	1535
Hepatogram	5	..	..	5
Hysterosalphingogram	..	44	..	..	..	44
Lymphangiogram	13	..	..	13
Membranotomy vena cava	1	..	..	1
Myelogram
Positive contrast	..	181	..	..	85	266
Nephrostomy percutaneous	14	..	..	14
Plain X-rays	..	59981	110	1430	24648	86169
Pneumoencephalogram	..	6	..	..	..	6
Pneumoperitoneum	7	..	..	7
Pyelogram antegrade	21	..	..	21
Pyogram	14	14
Splenoportogram	56	..	..	56
Tomogram
General	..	60	..	..	..	60
Nephro	..	10	..	..	..	10
I. V. P. (Intravenous Urogram venogram) Venogram	..	969	..	..	..	969
adrenal	1	..	..	1
Peripheral	48	..	..	48
Orbital	..	12	1	..	..	13
Renal	1	..	..	1
Vena-cava	19	..	..	19
Ventriculogram Myodil	6	6
Total	..	63795	787	1457	24759	90798

PATHOLOGY DEPARTMENT

Department of Pathology has three Sub-sections :-

1. Clinical Pathology Section
2. Autopsy Section.
3. Surgical Histopathology Section.

Clinical Pathology :

1. Investigations are carried out on out-patients laboratory including orthopaedic centre				Type of Analysis	No. of Samples	Total No. of tests done
Haemograms	36,898	1,21,933
Urin analysis	23,517	67,055
Stool Analysis	13,634	13,634
Sputum	3,662	3,662
Bleeding & Coagulation time	1,350	2,700
Total					79,061	2,08,984

2. Investigations done in inpatients.

Type of Analysis				No. of Samples	Total No. of test done.	
Haemograms.	9725	41413
Urine Analysis	16457	52616
Stool Analysis	8441	9481
Sputum	2661	2661
Total					37284	1,06,171

Clinical Biochemistry Section :

				No. of Samples
(1) Blood sugar.	..	..	..	28089
(2) Blood Urea Nit	..	..	..	18213
(3) G.T.C.	..	..	..	323
(4) S. Creatinine	..	..	..	5728
(5) S. Proteins	..	..	..	5980
(6) S. Bilirubin	..	..	..	6173
(7) S. GOT/SGPT.	..	..	..	11120
(8) S. Calcium ..	..	..	..	1897
(9) S. Phosphorus	..	..	..	1897
(10) S. Alh./Phosphate.	..	..	..	3285
(11) S. Acid Phosphatase.	..	..	..	184
(12) S. Cholesterol.	..	..	..	1422
(13) Uric acid.	..	..	..	367
(14) S. Amylase.	..	..	..	251
(15) C. S. F. Sug./Chlorides (1x2)	..	..	..	1068
(16) CSF Cloridies	..	..	..	1068
(17) Prothrombin Times	..	..	..	1370
(18) Fluid proteins	..	..	..	980
(19) Urine albumin	..	..	..	250
(20) Urine B. J. Proteins	..	..	..	102
(21) S. Electrolytes	..	..	..	1392
(22) Gastric analysis (5 tests x 10 Samples)	..	..	..	364
TOTAL				91523

Emergency Biochemical investigations :

				No. of samples
(1) Blood Sugar	..	..	..	7,112
(2) Blood Urea Nit	..	..	..	8,313
(3) S. Amylase	..	..	..	178
(4) S. Bilirubin	..	..	..	2,205
(5) S. Electrolytes	..	..	..	11,173
(6) CSF clorides.	..	..	..	1,902
(7) CSF Sugar	..	..	..	1,902
(8) Barbiturate level	..	..	..	99
Total				32,884

Fluids and Cytology :

C. S.F.	..	..	..	..	..	..	1,080
Ascitic fluid	..	..	..	..	..	..	558
Pleural fluid	..	..	..	..	..	..	387
Pericardial fluid	..	..	..	..	..	..	36
Pus	..	..	..	..	..	..	14
Sputum	..	..	..	..	..	..	54
Miscellaneous.	..	..	..	..	..	..	60
Total							2,189

Autopsy Section:

Total no. of autopsies performed.	..	..	..	..	..	1,539
Total no. of medico-legal autopsies	..	..	..	..	..	455
No. of P. M. Tissues processed	..	..	..	..	..	16,638
No. of blocks prepared.	..	..	..	..	..	12,867
No. of Special stains done	..	..	..	..	..	734
No. of blocks recut for special stain	..	..	..	..	..	284
Unstain slides prepared	..	..	..	..	..	65
Extra H. & E. slides prepared.	..	..	..	..	..	115

Surgical Pathology :

No. of tissues received.	..	..	..	..	..	7,861
No. of slides prepared and stained	..	..	..	..	..	15,219
No. of special stains & extra slides	..	..	..	..	..	2,297
No. of kidney biopsies done	..	..	..	..	..	141
No. of liver biopsies done	..	..	..	..	..	269
No. of blocks prepare.	..	..	..	..	..	15,219

Neuropathology :

Neurochemistry:						
Blood urea nitrogen & creatinine	..	..	..	..	..	1,132
Cerebrospinal fluid for routine examination.	..	..	..	..	..	740
Liver function tests (SGPT),SGOT, Total protein albumin, bilirubin).	..	..	..	..	..	667
Serum cholesterol	..	..	..	..	..	250
Prothrombin Time	..	..	..	..	..	25
Serum creatinine Kinase	..	..	..	..	..	350
Creatinine clearance studie	..	..	..	..	..	25
Serum ceruloplasmin	..	..	..	..	..	10

Muscle Biopsy :

Paraffin section and Histochemistry (Routine Adenosine triphosphatase At Pase PH 9,4 Reduced Nicotinmalde adenine dinucleoitide, Phosphorylase modified Gomori Trichome, Periodic Acid Schiff (PAS), Oil red), Sudam Black B	..	..	..	..	..	41
Muscle glycogenquantitition.	..	..	..	..	..	2
Muscle acid maltase	..	..	..	..	..	2

Muscle Diseases—Immunological studies :

(T & B cell quantitation, serum immune complexes, serum complement profile).	..	..	..	..	..	57
Muscle indrect immunofluresence.	..	..	..	..	..	50

Histopathology :

	Total No. of cases	Blocks prepared	Slides prepared	Unstained slides prepared
Surgical Biopsies	412	589	589+Sp. Stains	1,500
Brain specimen from sutopsy	335	1675 +	1675 +Sp. Stains.	
External biopsy	11	5	25 +Sp. stains.	
Smears from biosy tissue for urgent diagnosis	..	40 cases.		

DEPARTMENT OF MICROBIOLOGY

Bacteriology : Workload of the department.

Samples	Nos.
(1) No. of AFB samples	1,395
(2) Blood culture	1,115
(3) No. of subcultures	2,963
No. of ABS (Blood)	400
(4) No. of Pus samples	6,526
No. of ABS.	3,632
(5) C. S. F.	3,373
No. of ABS.	10
(6) No. of Sputum	1,422
No. of Sputum ABS	1,310
(7) P. M. Samples	169
(8) No. of stool	512
ABS	512
(9) Urine samples	5,874
No. of Colony counts	4,200
ABS	3,074
(10) Swabs processed from various operations theatres.	1,868
(11) Sterility checking of I. V. solutions bottles from Pharmacy	1,014
(12) Sterility of amoules	80
(13) Swabs processed for sterility checking in various wards.	77

Anarobic Section :

Pus	158
Wound swab.	134
Tracheal, Throat Nesal swabs	358
Sputum	458
Theatre swabs	98
Vag. and Cervical swabs	289
Cerebro spinal fluid	79
Body fluids (Ascitic abdominal tap. Pleuraleffusion).	78
Urine	72
Stool	49
Blood culture	4
Gas gangerene	72

Total .. 1,779

Serology Section :

V.D.R.L. Test.	5,783
C.S.F. V.D.R.L. Test	1,308
Widal Test	990
R. A. Test	982
Paul Bunnel Test	77
Brucella Test	77
Weil Fleix	8
Immunoglobulins	260
ATP & Feto Proteins	29
NBT—Test	8
Casonis Test	7
T—Cell	52
CMV (Urine)	10

PHARMACY DEPARTMENT

(A) Total number of transfusion fluid bottles	2,89,785 bottles.
(B) Total number of Injection (Vails)	4,995 Nos.

Central Sterile Supply Services :

(I) Number of drums sterilized	33,223 Nos.
(II) Number of trays sterilized	33,723 Nos.
(III) Number of bleeding sets prepared & Sterilised.	8,550 Nos.
(IV) Number of Plastic saline sets prepared & Sterilized	67,249 Nos.

New Preparations introduced :

- (1) N/4 saline in 100m. transfusion bottle for Pediatric ward.
- (2) N/2 saline in 100m. transfusion bottles for Padiatric Ward.
- (3) Indomethacin 0.5% w/v for Dr. Maskati's unit
- (4) 1%, 2%, 3%, 4%, & 5% Phenol in Glycerin.
- (5) 3% Phenol in Arachis oil.
- (6) 3% Phenol in water.

Compulsory academic training.

Students obtained training from dispensary	23 Nos.
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DEPARTMENT OF PHARMACOLOGY

Teaching and Training programme :

(1) **Undergraduate Programme :** Besides teaching IInd M.B.B.S. students, this department participates in teaching pharmacology and therapeutics to occupational therapy and physiotherapy students and nurses.

(2) **Post graduate programme :** The department offers a training programme for M.B.B.S. and B. Sc. students, leading to MD/Ph. D in Pharmacology and M. Sc. in Applied Biology degrees. It also offers facilities for training in Clinical Pharmacology and conducts 6 weeks, training course sponsored by Indian Council of Medical Research. The number of candidates registered for various degrees during the year were :

M. D. (Pharmacology)	— 7
Ph. D. (Pharmacology)	— 2
S. Sc. (Applied Biology)	— 8

Results of undergraduate and postgraduate examination :

A total of 146 students appeared for IInd M.B.B.S. examination in Pharmacology in April 1983 and 133 students passed.

At the IInd M.B.B.S. examination held in October 1983, 32 students appeared and 26 students passed Pharmacology Dr. Nirmala Rege and Dr. Sunial Chaudhary obtained M. D. (Pharmacology) degree in November 1983, of these 6 secured distinction.

DEPARTMENT OF PEDIATRIC SURGERY

During the Year :

(1) The number of In-patients treated	— 3340 Ward
	120 ICU Direct admission
(2) The number of operations—Major	— 1080
Minor	— 1873
(3) The number of out-patients looked after	— 338

THE K. F. M. HOSPITAL AND SETH G. S. MEDICAL COLLEGE STAFF SOCIETY.

During the entire year Dr. C. K. Deshpande, Dean was President. The number of members on the roll at the beginning of year was 177.9 members retired due to superannuation during the year under report.

During the year there were 8 monthly meetings.

Nurses : Nursing Establishment is having 995 scheduled and 107 Non-scheduled posts, out of which 42 posts are vacant. Approximate expences per Nurses per month is Rs. 903.50.

Total No. of General Nursing Students : 354

Total No. of Midwifery students. : 70

Examination	Period	Appeared	Passed	Percentage
General Nursing Part—I	February 83	32	30	90%
General Nursing Part—I	July 83	79	70	81%
General Nursing Part—II	January 83	57	47	80.9%
General Nurs. ffg Part—II	July 83	49	41	80.4%
Midwifery	February 83	75	68	92%
	August 83	55	53	96%

Nurses Welfare Society :

The corpus of the fund Rs. 49,603 out of which Rs. 16,000 is kept in Government security and Rs. 33,603 kept in fix deposit in the Bank interest on the amount is utilised for providing activities to the nurses such as variety entertainment programme, prize distributions sports, picnics, send off functions for retired members, academic prizes according to the wishes of the donor and also giving loans to the nurses, during their difficulties.

The batches of Paediatric short Term course each of 3 months duration were started from September 1981 onwards and are still continued. Two staff nurses Smt. N. Rajgopal and Smt S. Bhoale went for Sister Tutor's course to Delhi.

**K. E. M. HOSPITAL AND SETH G. S. MEDICAL COLLEGE EMPLOYEES
CO-OPERATIVE CREDIT SOCIETY**

(1) Members	..	..	..	..	..	2,247
(2) Share capital Reserves	..	..	..	..	..	1,121
(3) Compulsory Deposits	..	..	..	..	..	3,268
(4) Investments	..	..	..	..	..	4,00
(5) Advances	..	..	..	..	..	4,256
(6) Working Capital	..	..	..	..	..	4,981
(7) Dividend	..	..	..	..	..	9 %
(8) Classification of Audit	..	..	..	..	..	'A'

Poor Box Charity Fund :

A sum of Rs. 25,67,626.23 was received by way of donations, 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. 20,87,142.00 was spent out of the Poor Box Charity Fund in the year as against Rs. 13,333,020.71 during the previous year. The amount was spent on costly drugs, blood transfusion, surgical appliances, travelling expenses spectacles etc. for poor and deserving patients of the hospital.

Food Handler's Scheme : 2489 persons were directed for examination by H. O.'s Department from 1st January 1983 to 31st December 1983 out of which only 374 persons attended for exam. 15 persons did not give their stool, blood or both for Pathological exam. In all 311 fit and 48 unfit certificates were issued during the year under report.

Deann,
*K. E. M. Hospital & Seth G. S. Medical
College*

APPENDIX—I

**Statement showing the Distribution of Beds according to classification of
Departments, Sex and Units.**

Department	Head of the Units	Male	Female	Children	Un- classified	Total
1	2	3	4	5	6	7
Medical	Dr. (Smt.) V. N. Acharya	20	12	..	..	32
	Dr. F. D. Dastur	20	12	..	..	32
	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
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. and Metab. Disorder.	Dr. S. D. Bhandarkar	10	6	3	..	19
Surgical	Dr. R. A. Bhalerao	24	6	..	..	30
	Dr. A. B. Samsi	24	6	..	..	30
	Dr. R. D. Bapat	24	6	..	..	30
	Dr. C. V. Patel	24	6	..	..	30
	Dr. A. B. Samsi/S. G. Shenoy	24	6	..	..	30
	Dr. S. D. Deodhar	24	6	..	..	30
G. I. C. (Surg.)	Dr. R. A. Bhalerao	8	2	2	..	12
G. I. C. (Med.)	Dr. S. R. Naik	10	2	..	..	12
Pphthalmi	Dr. B. T. Maskati	18	9	3	..	30
	Dr. S. D. Adrianwalla	18	9	3	..	30
Gynaec	Dr. V. N. Purandare	..	14	..	..	14
	Dr. (Miss) N. D. Motashaw.	..	14	..	..	14
	Dr. M. R. Narvekar	..	14	..	..	14
	Dr. (Smt.) S. J. Joglekar	..	14	..	..	14
Obstetric	Dr. V. N. Purandare	..	44	..	..	44
	Dr. (Miss) N. D. Motashaw	..	44	..	..	44
	Dr. M. R. Narvekar	..	44	..	..	44
	Dr. (Smt.) S. J. Joglekar	..	44	..	..	44

		1	2	3	4	5	6	7
Skin/Veneral	Dr. R. J. Fernandez	..	16	10	6	..	..	32
Isolation	..	..	4	2	..	..	..	6
Orthopaedic	Dr. R. M. Bhansali	..	30	20	10	..	..	60
	Dr. L. N. Vora	..	30	20	10	..	..	60
	Dr. A. V. Bavdekar	..	30	20	10	..	..	60
	Dr. R. S. Dhir	..	30	20	10	..	..	60
Aural	Dr. K. L. Shah	..	8	6	10	6	..	30
	Dr. P. P. Karnik	..	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. V. P. Mondkar	..	22	6	4	..	..	32
Paed. Med.	Dr. M. D. Shah	..	..	..	30	2	..	32
	Dr. N. B. Kumta	..	..	..	30	2	..	32
	Dr. (Mrs.) P. W. Kandoth	..	..	..	30	2	..	32
Plastic Surg. & Burns.	Dr. K. S. Goleria	..	16	14	10	12	..	52
Cardio/Vascular & Thoracic Surg.	Dr. G. B. Parulekar	..	18	11	3	..	..	32
	Dr. S. S. Bhattacharya	..	18	11	3	..	..	32
Cardiology	Dr. I. J. Pinto	..	16	5	4	..	..	25
	Dr. A. S. Vengaskar	..	16	5	4	..	..	25
Chest Clinic	Dr. S. R. Kamat	..	15	12	3	..	..	30
Paed. Surg.	Dr. R. K. Gandhi	..	..	..	40	..	..	40
Urology	Dr. D. S. Pardanani	..	16	9	25	..	..	30
Drug Trial	.. Ciba	..	..	..	..	10	..	10
	Cipla	..	..	..	..	10	..	10
	Unichem	..	..	..	..	10	..	10
	Total	..	709	581	265	60	..	1615

N. B.—Surgical beds are inclusive of 6 beds for Endocrinology and Metabolic Disorders 1 bed each under each Unit.

APPENDIX No. 1/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 war
1	2	3	4	5
I	Padiatric Medical	Dr. M. D. Shah	.. 30	69
		Dr. N. B. Kumta	.. 30	
II	Paediatric Medical Paed. Surg. Psychiatric Psychiatric Neurology Div. of Endocrinology Met. disorders.	Dr. P. W. Kandoth	.. 30	60
		Dr. R. K. Gandhi	.. 15	
		Dr. D. R. Doongaji	.. 4	
		Dr. L. P. Shah	.. 4	
		Dr. V. P. Mondkar	.. 4	
		Dr. S. D. Bhandarkar	.. 3	
III	Gastroenterology Aural Aural Paed. Surgical Urology	Dr. R. A. Bhalerao	.. 2	49
		Dr. K. L. Shah	.. 10	
		Dr. P. P. Karnik	.. 9	
		Dr. R. K. Gandhi	.. 25	
IV	Medical Medical Medical Div. of End. & Metabolic. Psychiatric Gastroenterities	Dr. V. N. Acharya	.. 12	50
		Dr. G. H. Tilve	.. 11	
		Dr. P. D. Anjarai	.. 11	
		Dr. S. D. Bhandarkar	.. 6	
		Dr. L. P. Shah	.. 8	
IV-A	Medical Medical Medical Psychiatric Neurology Haematology	Dr. F. D. Dastur	.. 12	50
		Dr. S. G. Dalvi	.. 11	
		Dr. C. P. Dalvi	.. 11	
		Dr. D. R. Doongaji	.. 8	
		Dr. V. P. Mondkar	.. 6	
		Dr. B. C. Mehta	.. 2	
V	Surgical Surgical	Dr. R. D. Bapat	.. 24	48
		Dr. C. V. Patel	.. 24	
VI	Surgical Surgical Urology	Dr. A. B. Samsi	.. 20	48
		Dr. A. B. Samsi S. G. Shenoy	.. 20	
		Dr. D. S. Pardanani	.. 8	
VII	Dr. Surgical Surgical Aural Aural	Dr. R. A. Bhalerao	.. 19	54
		Dr. S. D. Deodhar	.. 19	
		Dr. K. L. Shah	.. 8	
		Dr. P. P. Karnik	.. 8	
VIII	Surgical Surgical Surgical Surgical Surgical Surgical Aural Aural Urology	Dr. R. A. Bhalerao	.. 6	54
		Dr. A. B. Samsi	.. 6	
		Dr. R. D. Bapat	.. 6	
		Dr. C. V. Patel	.. 6	
		Dr. A. B. Samsi S. G. Shenoy	.. 6	
		Dr. S. D. Deodhar	.. 6	
		Dr. K. L. Shah	.. 6	
		Dr. P. P. Karnik	.. 7	
		Dr. D. S. Pardanani	.. 5	
IX	Medical Medical Haematology	Dr. S. G. Dalvi	.. 20	50
		Dr. P. D. Anjarai	.. 20	
		Dr. B. C. Mehta	.. 0	
			.. 0	
X	Psychiatric Psychiatric Neuro Surgery Neurology	Dr. L. P. Shah	.. 7	54
		Dr. D. R. Doongaji	.. 7	
		Dr. S. K. Pandya	.. 18	
		Dr. V. P. Mondkar	.. 22	
XI	Medical Medical Div. of End. & Metab.	Dr. F. D. Dastur	.. 20	50
		Dr. G. H. Tilve	.. 20	
		Dr. S. D. Bhandarkar	.. 10	
XII	Medical Medical Gastroenterities	Dr. V. N. Acharya	.. 20	50
		Dr. C. P. Dalvi	.. 20	
		Dr. S. R. Naik	.. 10	

APPENDIX -I/A (Contd.)

1	2	3	4	5	
XIII	Ophthalmic	Dr. B. T. Maskati	..	30	
XIII-A	Ophthalmic	Dr. S. D. Adrianwalla	..	30	60
XIV	Obstretic	Dr. V. N. Purandare	..	44	
XIV-A	Obstretic	Dr. (Miss) N. D. Motashaw	..	44	
L.W.D.	Obst.	Dr. (Smt.) S. J. Joglekar	..	44	182
W.W.D.	Obst.	Dr. M. R. Narvekar	..	44	
P.O.W.	Prematurity	Dr. M. D. Shah	..	2	
P.P.S.		Dr. N. B. Kumta	..	2	
		Dr. P. W. Kandoth	..	2	
XV	Gynaec	Dr. V. N. Purandare	..	14	
XVA	Gyn.	Dr. (Miss) N. D. Motashaw	..	14	
	Gyn.	Dr. (Smt.) S. J. Joglekar	..	14	56
	Gyn.	Dr. M. R. Narvekar	..	14	
XVI	Plastic Surgery and				
XVI-A	Burns	Dr. K. S. Golerai	..	52	52
XVII	Isolation		..	06	38
XVIII	Skin and Veneral	Dr. R. J. Fernandez	..	32	
XIX	Psychiatric	Dr. L. P. Shah	..	11	22
	Psychiatric	Dr. D. R. Doongaji	..	11	
XX	Surgical	Dr. A. B. Samsi	..	4	
		Dr. A. B. Samsi/S. G. Shenoy	..	4	10
		Dr. R. A. Bhalerao	..	2	
XXI	Aural	Dr. K. L. Shah	..	6	12
	Aural	Dr. P. P. Karnik	..	6	
XXII	Tetanus	Dr. F. D. Dastur	..	24	24
XXIII	Gastroenterology	Dr. R. A. Bhalerao	..	8	
	Thoracic Surg.	Dr. G. B. Parulkar	..	4	16
	Thoracic Surg.	Dr. S. S. Bhattacharya	..	4	
XXIV	Drug Trial	Ciba	..	10	
XXIV-A		Dipla	..	10	30
		Unichem	..	10	
XXV	Orthopaedic	Dr. R. M. Bhansali	..	30	40
		Dr. A. V. Bavdekar	..	10	
XXVI	Orthopaedic	Dr. R. M. Bhansali	..	30	40
		Dr. A. V. Bavdekar	..	10	
XXVII	Orthopaedic	Dr. A. V. Bavdekar	..	20	40
		Dr. R. S. Dhir	..	20	
XXVIII	Orthopaedic	Dr. A. V. Bavdekar	..	20	40
		Dr. R. S. Dhir	..	20	
XXIX	Orthopaedic	Dr. L. N. Vora	..	30	40
		Dr. R. S. Dhir	..	10	
XXX	Orthopaedic	Dr. L. N. Vora	..	30	40
		Dr. R. S. Dhir	..	10	
XXXI	Thoracic Surgery	Dr. G. B. Parulkar	..	28	56
		Dr. S. S. Bhattacharya	..	28	
XXXII	Cardiology	Dr. I. J. Pinto	..	25	55
	Chest Clinic	Dr. S. R. Kamath	..	30	
XXXIII	Neuro-Surgery	Dr. S. K. Pandya	..	18	18
XXXIV	A. K. D.	Dr. V. N. Acharya	..	18	18
XXXV	Cardiology	Dr. A. S. Vengasarkar	..	25	25
L.I.C.	Urology	Dr. D. S. Pardani	..	14	14
M.S.W.	Surgical	Dr. R. A. Bhalerao	..	5	10
		Dr. S. D. Dcodhar	..	5	
Total			..		1615-

APPENDIX II

Statement of In-patients treated, discharged and deaths according to Departments, Sex, & Age.

Department	Sex	In the Hospital at the Mid-night of 31-12-82	Admitted during the year 1983	Total treated	Discharged		Died	In the Hospital at the Mid-night of 31-12-82
					Cured	otherwise		
1	2	3	4	5	6	7	8	9
MEDICAL	Male	200	8,190	8,390	6,061	836	1,322	171
	Female	139	4,047	4,186	2,828	654	607	97
	Male Child	2	136	138	70	20	44	4
	Female Child	3	88	91	50	18	19	4
SURGICAL	Male	143	8,235	8,378	6,176	1535	522	145
	Female	37	2,230	2,267	1,215	797	217	38
	Male Child	..	..	..	..	..	..	..
	Female Child	..	..	..	..	..	..	..
OPHTHALMIC	Male	34	1,303	1,037	790	220	1	26
	Female	23	604	627	524	90	..	13
	Male Child	2	70	72	45	27	..	..
	Female Child	..	40	40	22	18	..	..
GYNAEC	Female	56	2,538	2,644	2,457	114	6	67
	Female Child	..	1	1	1	..	..	..
SKIN & VENERAL	Male	16	274	290	152	117	4	17
	Female	4	94	98	51	39	3	5
	Male Child	..	12	12	9	3	..	..
	Female Child	..	5	5	4	..	..	1
AURAL	Male	15	1031	1046	720	302	7	17
	Female	7	718	725	591	125	2	7
	Male Child	5	298	303	255	45	1	2
	Female Child	4	305	309	260	46	2	1
ORTHOPAEDIC	Male	189	2,398	2,587	1,508	770	78	231
	Female	125	909	1,034	596	303	25	110
	Male Child	51	492	543	376	122	2	43
	Female Child	10	223	233	132	85	..	16
PSYCHIATRIC	Male	37	943	980	551	382	2	45
	Female	10	353	363	182	15	2	14
	Male Child	1	20	21	12	9	..	..
	Female Child	..	8	8	4	3	..	1
NEURO-SURGERY	Male	17	317	334	157	99	59	10
	Female	11	172	183	96	65	15	7
	Male Child	4	110	114	59	35	14	6
	Female Child	2	44	46	25	13	6	2
NEUROLOGY	Male	13	195	208	101	83	14	19
	Female	4	114	118	60	45	7	6
	Male Child	..	46	46	27	13	3	3
	Female Child	..	17	17	11	6	..	..
PAED. MEDICAL	Male Child	37	1,766	1,803	980	423	356	44
	Female Child	25	1,317	1,341	734	335	256	16
OBST.	Female	96	6,776	6,872	6,571	152	25	124
	Male Child	..	..	..	..	..	..	..
	Female Child	..	..	..	..	..	..	..
Dept. OF ENDO.	Male	..	120	120	57	36	9	18
CRINOLOGY	Female	..	9	91	41	34	10	6
& METAB.	Male Child	..	3	3	3	..	..	..
DISORDER	Female Child	..	3	3	3	3	3	..

APPENDIX II

Statement of In-patients treated, discharged and deaths according to Departments, Sex, & Age.

Department	Sex	In the Hospital at the Mid-night of 31-12-82	Admitted during the year 1983	Total treated	Discharged		Died	In the Hospital at the Mid-night of 31-12-83
					Cured	other-wise		
1	2	3	4	5	6	7	8	9
PLASTIC SURG.	Male	15	211	226	92	120	2	12
	Female	7	156	163	34	76	48	5
	Male Child	1	64	65	36	22	2	5
	Female Child	1	42	43	20	14	1	8
THORACIC SURG	Male	22	527	549	195	275	45	34
	Female	26	393	419	162	202	32	23
	Male Child	5	88	93	27	48	16	2
	Female Child	2	59	61	18	29	7	7
PAED. SURG.	Male Child	23	1,566	1,589	1090	375	93	31
	Female Child	8	693	701	432	203	50	16
CARDIOLOGY	Male	32	493	525	314	138	45	28
	Female	10	265	275	170	65	26	14
	Male Child	9	130	139	93	32	9	5
	Female Child	3	94	97	65	21	7	4
CHEST-CLINIC	Male	14	389	403	140	180	64	19
	Female	12	279	291	117	130	33	11
	Male Child	..	10	10	5	2	2	1
	Female Child	..	6	6	3	1	1	1
UROLOGY	Male	14	404	418	222	165	14	17
	Female	2	62	64	34	26	2	2
	Male Child	..	10	10	10	..	..	..
	Female Child	..	..	..	..	..	..	..
HAEMATOLOGY	Male	15	132	147	41	86	14	6
	Female	4	49	53	21	17	9	6
	Male Child	..	2	2	2	..	..	..
	Female Child	..	..	..	..	..	..	..
PHARMACOLOGY	Male	14	126	140	120	15	..	5
	Female	1	21	22	18	3	..	1
	Male Child	..	..	..	..	..	..	..
	Female Child	..	..	1	1	1	..	..
GASTROENTEROLOGY	Male	..	100	100	63	23	5	9
	Female	..	44	44	26	12	3	3
	Male Child	..	..	..	..	..	..	..
	Female Child	..	..	1	1	1	..	..
TOTAL	Male	790	25,088	25,878	17,460	5,382	2,207	829
	Female	574	19,965	20,539	15,794	3,114	1,072	559
	Male Child	140	4,823	4,963	3,096	1,179	542	146
	Female Child	57	2,947	3,004	1,784	794	349	77
GRAND TOTAL		1,561	52,823	54,384	38,134	10,469	4,170	1,611

APPENDIX III

Statement of out-patients New O. P. D. Casualty according to the Department and Sex during the year 1983.

Department 1	Casualty					New O.P.D. Cases				
	Male 2	Female 3	M/Child 4	F/Child 5	Total 6	Male 7	Female 8	M/Child 9	F/Child 10	Total 11
A—Medical	2,382	990	16	13	3,401	19,974	10,909	8	4	30,895
B—Surgical	7,876	1,571	227	139	9,813	15,934	6,535	49	27	22,545
C—Ophthalmic	380	31	14	5	430	8,438	4,593	1103	701	14,835
D—Gynaec	..	43	..	..	43	..	8,504	..	..	8,504
E—Dental	30	5	2	..	37	4,429	3,007	764	543	8,743
F—Skin	21	7	..	..	28	10,747	4,327	2,408	1,799	19,281
G—Aural	228	62	12	7	309	7,711	4,780	1,927	1,561	15,979
H—Orthopaedic	2,082	357	116	50	2,605	16,485	7,319	2,634	1,467	27,905
I—Psychiatric	6	5	..	..	11	2,724	1,329	256	194	4,503
J—Neuro Surgery	7	..	..	..	7	1,277	625	367	211	2,480
K—Neurology	..	1	..	..	1	556	316	106	84	1,062
L—Paediatric Med.	..	..	322	177	499	..	..	4,669	3,400	8,069
M—Obstetric	..	47	..	..	47	..	4,906	..	..	4,906
N—Dispensary	..	..	..	..	..	6	3	..	..	9
O—Diabetic	..	..	..	..	..	469	267	17	1	754
P—Plastic Surg.	690	95	34	22	841	287	184	95	58	624
Q—Thoracic Surg.	..	..	..	..	..	1,215	878	294	187	2,574
R—Paed. Surg.	..	..	304	180	493	..	..	530	294	824
S—G.I.C.	..	..	..	..	..	186	72	8	12	278
T—Cardiology	..	..	..	..	..	1,915	1,161	358	260	3,694
U—Endocrinology	..	..	..	..	..	219	335	24	34	612
W—Chest-Clinic	..	..	..	..	..	1,035	521	75	52	1,683
X—Epilepsy	..	..	..	..	..	512	265	907	121	1,105
Y—Urology	..	..	..	..	..	509	127	16	6	658
Z—Municipal Staff	..	..	..	..	..	1	3	1	..	5
2—Arthritis Clinic	..	..	..	..	..	160	158	5	1	324
3—Sports Clinic	..	..	..	..	..	386	34	..	2	422
4—Haematology	..	..	..	..	..	12	8	..	..	20
5—Casualty	..	..	..	..	..	51,905	18,588	9,129	5,294	84,916
6—Pneumoconosis	..	..	..	..	..	..	..	..	..	..
7—Airpollution	..	..	..	..	..	..	..	..	..	..
Grand Total	13,702	3,214	1,047	602	18,565	1,47,092	79,754	25,050	16,313	2,68,209

APPENDIX IV

Details of average Cost per In-patient and per Out-patients

Particular	1982-83		1983-84	
	In-patient	Out-patient	In-patient	Out-patient
I—Establishment	48.71	25.45	50.14	20.82
II—Contingencies	5.40	1.92	3.64	1.85
III—Equipment	1.67	0.76	1.08	0.52
IV—Drug & Medicine	17.18	11.74	16.07	11.86
V—Dict	5.46	..	5.34	..
VI—Stores	1.09	11.06	0.40	12.47
VII—Repairs and Maint...	6.07	2.03	6.04	8.09
Total	85.58	52.96	82.71	55.61

APPENDIX V

Results of Examinations

Name of the Examination	April 1983		October 1983	
	Appeared	Passed	Appeared	Passed
1st M.B.B.S.	23	17	152	139
2nd M.B.B.S.	148	133	29	23
3rd M.B.B.S.	44	37	205	157
F.Y.O.T.	37	29	8	4
S.Y.O.T.	29	27	13	8
T.Y.O.T.	1	1	26	26
F.Y.P.T.	39	38	1	1
S.Y.P.T.	35	12	22	21
T.Y.P.T.	2	..	32	32
M.Sc. (Occupational Therapy)	2	2	..	..
M.Sc. Physical Therapy	2	2	..	..
M.D. (Medicine)	14	7	14	8
M.D. (Obst. & Gyn.)	10	7	15	11
M.D. (Pharmacology) ... ..	..	..	2	2
M.D. (Paediatric)	9	5	13	8
M.D. (T.B. & Chest)	2	1	4	2
M.D. (Skin diseases)	1	..	2	2
M.D. (Anaesthesia)	2	1	5	3
M.D. (Prev. & Soc. Med.)	3	2	1	1
M.D. (Radiology)	3	1	4	3
M.D. (Psychological Med.)	2	1	3	2
M.D. (Human Physiology) ... ..	..	..	..	..
M.D. (Neurology)	1	1	1	..
M.D. (Cardiology)	3	1	3	2
M.D. (Microbiology) ... ..	..	..	1	1
M.D. (Pathology) ... ..	..	..	3	3
M.S. (Gen. Surgery)	9	5	13	6
M.S. (Orthopaedics)	8	3	14	3
M.S. (E.N.T.)	1	1	4	4
M.S. (Ophthalmology)	2	2	2	..
M.S. (Human Anatomy) ... ..	..	..	..	..
M.Ch. (Neuro Surgery) ... ..	..	..	..	..
M.Ch. (Thoracic Surgery)	1	1	4	3
M.Ch. (Plastic Surgery)	1	..	2	2
M.Ch. (Paed. Surgery) ... ..	..	..	1	1
M.Ch. (Urology)	1	1	1	..
D.A.	12	10	4	4
D.V.D.	1	..	2	2
D.P.H. (part-I)	1	..	4	2
D.P.H. (Part-II)	2	1	1	..
D.P.M.	6	6	8	2
D.M.R.D. (Part-I)	4	3	6	6
D.M.R.D. (Part-II)	1	1	5	5
D.M.L.T.	10	6	3	1
M.Sc. (Bioch.) by part-I	11	7	..	..
M.Sc. (Bioch.) by part-II	11	9	1	..
M.Sc. (Applied Biology)	1	1	3	3
M.Sc. (Bioch.) by Research ... ..	..	..	..	..
M.S.c. (Microbiology) by Research	1	1	1	1
Ph.D. (Micro)	1	1	2	2
Ph. D. (Biochemistry)	3	3	2	2

APPENDIX—VI

RESEARCH

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE :

Research Project by Dr. K. P. Kolhatkar :

(1) Examination of water samples for bacteriology in Diagnostic Centre Samples collected from patients (consumers) house and control sample at F/S ward office 'Testing for potability of water.

(2) Evaluation and effectiveness of Measles vaccine to children above 9 months and their follow-up—5 years study by Dr. Deshpande.

Research Activities—Dr. Kulkarni R. N. :

(1) Study of the effects of the health care services provided at the under 5 clinic of the Naigaon Maternity Home on the growth and development of children attending the clinic.

(2) Study of correlation between socio-economic and health status of selected antenatal cases (residing at Naigaon area and registered at Naigaon Maternity Home) and outcome of pregnancy and subsequent growth development of infants.

Extra-curricular Activities :

(1) Dr. Kashalikar S. J. has written 'Preface' to the book "Tank Man, Hechi Dhan" written by Dr. Mrs. Kolhatkar K.

DEPARTMENT OF MEDICINE -

Use of Netilmicin in multiple drug resistant Urinary Tract Infections.—Dr. Allan Almeida.

The on going projects being conducted includes drug trials (1/5) :

- (1) Cefazolin in Urinary Tract Infections.
- (2) Pseudoglobalin in Pseudomonas Urinary Infection.
- (3) Atenolol in Hypertension.
- (4) Use of Bumetanide in Refractory edema.
- (5) Use of Sulfinpyrazone in Vascular access procedures.
- (6) TMP & NF combinations in patients with recurrent UTI with high antibody titres.

Other research :

- (1) Cell-mediated immunity in recurrent UTI
- (2) Drug resistant studies in Klebsiella Urinary Infection.

Paediatric Research Laboratory :

The Lab. has continued to make progress both in researches and patients service. 605 patients were examined and evaluated in 1980, majority of these were referrals from other wards, other hospitals and practising physicians and pediatricians.

Research projects comprising "Study of Neurodegenerative disorders" and "Study of cases of Oculocutaneous Albinism" were extended for another year.

The cytogenetic side made good progress with appointment and training of 2 J. S. Os. Full fledged-G-banding and Karyotype reporting is now in progress.

The first prenatal diagnosis attempted by in January 1983 was successful upto the point of analysing the enzyme Hexsaminidase on uncultured cells in mother with a previous infant with Tay Sachs disease. The cultured cell analysis was not possible as contamination ensued and the current incubator in use is not the one with recommended specifications. The year old indent for a new CO₂ incubator has been renewed in the subsequent budget.

Research Projects :

(1) Appointed Co-investigator for I.C.M.R. project on "Efficiency of Short course chemotherapy regimens in the treatment of pulmonary tuberculosis in children" —Project started in February 1983.

(2) Initiated and concluded a research project on "follow-up of patients with neonatal tetanus for neurodevelopmental outcome" a retrospective study" in conjunction with Dr. F. D. Dastur, Prof. of Medicine.

DEPARTMENT OF NEUROSURGERY :

(1) Dr. Anil Desai, as Emeritus, Professor, continues his studies on Neuromuscular diseases.

(2) Dr. R. D. Nagpal investigating all patients. With cerebrovascular disease referred our departments, especially with a view to microvascular surgery. He receives support for these studies from the Indian Medical Research Society through the kind courtesy of Dr. N. H. Wadia.

(3) Pituitary tumours continue to interest us greatly. The availability of radio-immuno-assays for hormone estimation, in patients has helped obtain a better understanding of the patient's endocrine status. We have just seen our first patient with a pituitary micro-adenoma. The collaboration with the Institute for Research in Reproduction ceased with Dr. Rama Vaidya's resignation from the Institute and the collapse of the endocrinology Unit there.

(4) The setback in developing balloon catheter techniques and therapeutic embolisation has been described above. We hope that we shall soon get our new image intensifier and resume work in this area.

(5) Dr. Gajendrasinh at the Jaslok Hospital has perfected the technique for cleansing and sterilising cadaver bone for use as graft. We are continuing to work with him on this and now have a small stock of bone grafts ready for use.

Dr. M. H. Keswani and Mrs. Patil of the Burns Research Unit at the Wadia Hospital have been of great help in developing the technique for obtaining sterile lyophilised dura. Mr. Patil perfected the entire process for lyophilisation of the cadaveric dura supplied by us and seals the dura in plastic bags which are then sterilised. Earlier we used gamma irradiation for sterilisation and are now trying out ethylene oxide.

(6) Dr. Telles Mazarello, registrar, is undertaking a study of patients with tuberculous, meningitis referred to our department. We hope to learn a little more about this ruinous disease from his study.

DEPARTMENT OF PSYCHIATRY :

Research Projects in Dr. L. P. Shah's Unit :

- (1) Clinical Trial of Alprozolam in Anxiety Neurosis (UpJohn).
- (2) Clinical Trial of Alprozolam in Depression (Up John)
- (3) Comparison of Different treatment modalities in the treatment of Anxiety Neurosis (Research Society).
- (4) Biochemical study of mental illnesses (Research Society)
- (5) Relevance of Socio-demographic variables in Mental illnesses (ICMR)
- (6) Classification of mental illnesses (World Psychiatric Association).
- (7) Study of children of schizophrenic and non-schizophrenic, parents (Research Society).
- (8) Study of Yoga Therapy in patients suffering from Neurosis (Collaboration with Yoga Institute, Santacruz).
- (9) Study of Anti-depressant drugs, behavior therapy and Counselling in patients suffering from depression (Res. Society).
- (10) A study of the Relapsing Alcoholic.
- (11) Experience with suicide intention Scale.
- (12) Correlation between serum level and oral dosage of chlorpromazine.
- (13) Study of Chromosomal Aberrations in Association with Psychotropic drugs (in collaboration with IRR).
- (14) Assessment of mental morbidity in a Municipal Primary school (Collaboration with P. S. M. Deptt., K. E. M. Hospitals).
- (15) Reevaluation of ECT in mental illnesses. (Collaboration with W.H.O.),
- (16) Study of Law v/s high dosage of chlorpromazine in schizophrenia (collaboration with W.H.O.)

MOLECULAR BIOLOGY DEPARTMENT .

Research Enquiries :

- (1) Incidence of Urinary tract infection in Diabetic patients.
- (2) Effect of combination of drugs on resistant strains of pseudomonas aeruginosa.
- (3) Study of viral encephalitis in children in Bombay.
- (4) Role of Gram negative bacteria in Hospital infections.
- (5) Early diagnosis of tuberculosis by using SAFA (Soluble antigen fluorescent antibody test).
- (3) Isolation and identification of Vibrio parahemolyticus from India shrimps.

DEPARTMENT OF ENDOCRINOLOGY :

The following projects were continued from the previous year.

- (a) "Diabetes in the Tropics" under the Burroughs Wellcome Grant (Dr. Bhandarkar together with Prof. R. S. Satoskar Head Dept. of Pharmacology)
- (b) "Plasma I.R.I. in planning Treatment of Diabetes under a grant from the Society for the help of Diabetics (Dr. V. J. Ratnam and Dr. S. D. Bhandarkar).
- (c) "Lipoproteins in Diabetics" (Dr. V. J. Ratnam together with Dr. (Mrs.) Thaskar of the Department of Biochemistry).
- (d) "Evaluation of Renal Function in Psychiatric Patients on Lithium Carbonate" (Dr. S. D. Bhandarkar together with Prof. D. R. Doongaji, Head, Dept. of Psychiatric).
- (e) "Renal Function in Diabetics with Albuminuria" (Dr. Nishit Shah & Dr. S. D. Bhandarkar).

(f) "Prevalence of Mitral valve prolapse in Thyrotoxic patients (Dr. B. T. Kudva and Dr. S. D. Bhandarkar together with Dr. (Miss) Neelam Shah and Dr. A. S. Vengasarkar of the Dept. of Cardiology) under a grant from K. E. M. Hospital & Seth G.S.M. college Research Society.

(g) "Comparative evaluation of the Drug Interaction of Phenylbutozone and Ibuprofen with Chlorpropamide in Diabetics" (Dr. S. J. Shah and Dr. S. D. Bhandarkar together with Dr. R. S. Satoskar, Head, Dept. of Pharmacology).

(h) Phase I study of a new oral hypoglycemic agent (CG 113744 D) (Ciba-Geigy Research Centre) (Prof. R. S. Satoskar, Dr. A. B. Vaidya of Ciba Geigy Research Centre and Dr. S. Bhandarkar.

(i) Antipyrine Metabolism in Thyroid patients (Prof. R. S. Satoskar and Dr. (Mrs.) Kshirsagar of Dept. of Pharmacology and Dr. S. D. Bhandarkar & Dr. B. T. Kudva).

APPENDIX VII

PUBLICATIONS

DEPARTMENT OF PHYSIOLOGY.

(a) A paper on "A simple Method of Distinguishing between Inflammatory and Neoplastic Elevation of Erythrocyte Sedimentation Rate" by Kala S. Kulkarni, Shashikala M. Kendurkar and S. D. Bhandarkar was published in Journal of Postgraduate Medicine (1983, 29 (3), 165-168

(b) A paper on "Age and Symptomatology of Menopause in Indian Women" by Jyoti A. Bharadwaj, Shashikala M. Kendurkar and Pratibha R. Vaidya was published in the Journal of Postgraduate Medicine 1983, 29(4), 218-222.

(c) A paper on "Brain Development and Malnutrition a cellular approach by Mrs. Kumudini Deo, was published in "Proceeding of 6th International Conference of Women Engineers and Scientists" in September 1983.

DEPARTMENT OF PAEDIATRICS

(1) "Sibling with Larsen's Syndrome" Indian Pediatrics. 20.5, 375-377, 1983.

(2) "Sandhoffs" disease, GM2 Gangliosidosis Type 2—Ind. Pediatrics 20, 2 :134-137.

(3) "Trisomy 18—Edward's Syndrome"—A case report of 3 cases J. Post graduate Medicine (1983), 29(2), 129-132

(4) "Comptomelic Dwarfism Syndrome" (a case report) J. Post graduate Medicine (1983), 29 (4), 268-270. By—Dr. B. A. Bharucha.

Paper published by Dr. M. D. Shah in the year 1983:

(1) Niemann Pick disease Type B with oculoneural involvement.
Indian Paediatrics, Vol-XX, No. 7, July 1983. PP 521-522.

Material submitted for publication in 1983.

(1) Chapter on "Lower respiratory tract disorders" in a textbook of Paediatrics to be published by Indian Academy of Paediatrics.

(2) A chapter on 'Pulmonary function testing in Children' in text book of Paediatrics to be published by Indian Academy Paediatrics.

(3) Cryoglobulinemia A case report in Indian Paediatrics, Official Journal of IAP. Published by Dr. M. K. Jain.

(1) Correlation between serotypes, enterotoxin production and presence of colonization factor Antigen (CFA) in E-Coli isolates from Acute diarrhea in children. Jr. of Post-graduate Medicine—April 1983.

(2) Evaluation of Clinical criteria for the management of acute diarrhea in infants & Children Indian Pediatrics 1983.

(3) Niemann-Pick disease a brief case report. Indian Pediatrics 1983.

(4) A study of Non-epidemic diarrhea in newborns.—Accepted for publication, Indian Pediatrics.

Papers read during 1983 by Dr. V. V. Kulkarni.

(1) Niemann-Pick disease (Case report) Ind. Ped. 1983.

Paed. Unit III :

1. Rheumatic fever. Clinical profile of 339 cases of Rheumatic fever with long term follow up.

Dr. M. K. Joshi, Dr. P. W. Kandoth

Indian Pediatrics Vol. 20 November 83-849-853

Dr. R. J. Barve Dr. J. R. Kamat

2. Enzyme Linked immunosorbent assay for mycobacterial antigen. Vinita Bal, Dr. R. S. Kamat, Dr. J. R. Kamat, Dr. P. W. Kandoth. Indian Journal of Medical Research 78, bet 1983 to 477-483.

Department of Neurosurgery :

Dr. S. K. Pandya :

(1) Presidents of the Neurological Society of India. (Biographical essays on Dr. S. K. S. Mani, Baldev Singh, K. V. Mathai, A. D. Desai, G. Arjundas, K. Jagannathan, T. K. Ghosh J. Abraham. Historical Section. Continuing Medical Education Programme Part V. Neurological Society of India, Madurai, 1983.

(2) Hydranencephaly—a review continuing Medical Education Programme Part-I pages 205-216, Neurological Society of India, Madurai, 1983.

Dr. R. D. Nagpal :

(1) Dural sinus and cerebral venous thrombosis. Neurosurgical Review 1983, vol. 6, 155-160.

Dr. A. P. Karapurkar :

(1) Neurosurgery in Indian. Neurosurgical Review 1983, Vol. 6, 85-92.

Department of Psychiatry.

(1) Some problems in the conduct of psychotropic drug trials—A Review. —Dr. D. R. Doongaji, M. D. Parikh. Journal of Postgraduate Medicine 29(2), 67-74 (1983).

(2) Clinical Evaluation of Centbutindole —As an antipsychotic Agent. —Dr. D. R. Doongaji A. S. Sheth, T. Paul, R. M. Parikh, S. A. Vahora, J. S. Apte, N. K. Desai, A. K. Upadhyaya, R. S. Satoskar).

Indian Journal of Medical Research, 78, 126-133 (July 1983).

(3) Metoclopramide in Gilles de la Tourette's Syndrome (A case report) (A. B. Desai, D. R. Doongaji, R. S. Satoskar) Journal of Postgraduate Medicine, 29(3), 181-183 (1983)

Dr. L. P. Shah—Unit

(1) Lithium in Agression : Indian Journal of Psychiatry 1983—V. N. Bagadia, P. D. Lakdawala, L. P. Shah, N. K. Desai, V. K. Mundra.

(2) Drug Surveillance Programme in Psychiatry. Indian Journal of Psychiatry, Oct. 1983. L. P. Shah, K. S. Ayyar, B. S. Agarwal, V. N. Bagadia, U. K. Sheth,—Paul, K. Gupta, Santhanam.

(3) Electroconvulsive therapy chlorpromazine in schizophrenia. Journal of Association of Physicians of India. Dr. V. N. Bagadia, R. R. Abhyankar, P. V. Pradhan, L. P. Shah

(4) Electroconvulsive therapy & Imipramine in Depression. Psychopharmacology Bulletin, 1983. V. N. Bagadia, R. R. Abhyankar, P. V. Pradhan, L. P. Shah.

(5) Electroconvulsive therapy & Cognitive Change. Psychopharmacology Bulletin, Oct. 1983, Dr. V. N. Bagadia R. R. Abhyankar, J. Doshi, L. P. Shah.

(6) Treatment of 26 cases of male sexual dysfunction by bahavious modification. Indian J, of Psych. 25, 29-33, 1983.

Department of Endocrinology :

(1) Gadgil S. D., Vaidya A. B., Rajgopalan, T. G. Talwalkar, P. K. Desai, N. D. Gupta, Suma, Paul, Teresa, Satoskar R. S. & Bhandarkar S. D. Intravenous glucose tolerance test following oral tolbutamide administration. A possible model for the evaluation of a new hypoglycemic agent. Journal of postgraduate Medicine (1983) 29 : 82.

(2) Kulkarni Kala S., Kendurkar. Shashikala M. & Bhandarkar S. D. : A simple method of distinguishing between inflammatory and neoplastic elevation of erythrocyte sedimentation rate. Journal of Postgraduate Medicine vol. 29, 165, 1983.

(3) Nerurkar S. V., Ratnam Vimla J., Taskar Saroj P. & Bhandarkar S. D. Lipid composition of plasma lipo & proteins in treated diabetics, Journal of postgraduate Medicine Vol. 29, 201, 1983.

(4) Rais, N., Bhandarkar S. D., Vahora S. & Mehta J. M.; Thyroxine—induced depressive psychosis. Journal of Postgraduate Medicine, 29, 184, 1983.

(5) Rais N., Kalra P., Bhandarkar, S. D. & Satoskar R. S.: Familial thyroid disease; Grave's-disease and non-toxic goitre. Journal of Postgraduate Medicine 29, 253, 1983.

(6) Retnam Vimla J., Chichgar J. A., Patkar L. A., Chikhalikar A. A. and Golwala A. F.: Myzedema and pericardial effusion with cardiac temponade. Journal of Postgraduate Medicine Vol. 29, 188, 1983.

(7) Retnam Vimla J., Nerurkar S. V., Gupta Meena H., Bhandarkar S. D. & Taskar Saroj P.: Plasma Lipids and Lipoproteins in treated diabetics; Journal of Postgraduate Medicine Vol. 29, 1983.

(8) Shah S. J., Fonseca V., Rais N., Sayeed Abeeda & Bhandarkar S. D., : Effect of Propranolol on electrocardiogram in hypothyroidism. Journal of Postgraduate Medicine Vol. 29, 160, 1983.

Department of Microbiology

(i) Concentration of Acid Test Bacilli by Ether Flootation Technique.—Dr. Mohan & Dr. G. G. Bhawe.

(ii) Detection of Amoeba Antigen by Enzyme Linzyme Linked Immunosorbent Assay.—Dr. G. G. Bhawe & Neelam Wagle.

Both the paper were well appreciated and the 2nd paper was given best prize. Dr. Ajita Mehta and Dr. Karnum & Mr. Shetty C. V. attended National Conference of IAPM held at Nagpur in Jan. 1984. Following papers were presented.

(i) Jejunal Microflora —Dr. Ravi Marnum

(ii) Anaerobic Infections and its management in Tuberculosis patients.—Mr. Shetty C. V.

(iii) 'Aerobic and Anaerobic Bacteriology in E. N. T. Patients —Miss Jyostna Talwankar.

(iv) 'Aerobic and Anaerobic Bacteriology in Subcutaneous Abscess. Dr. A. P. Mehta. —

(v) Dr. G. G. Bhawe & Dr. Mathur attended the National Symposium of Zoonosis held at Bombay Dr. G. G. Bhawe chaired the Session of Viral Zoonosis.

Following papers were presented.

(i) Comparison of IHA & ELISA Tests for the diagnosis of Toxoplasmosis.—Neelam W. Wagle Dr. C. K. Deshpande & Dr. G. G. Bhawe.

(ii) Comparative Evaluation of Casoni's Test and CIEP Test for the Diagnosis of Hydatid Disease. —Dr. M. Mathur Dr. G. G. Bhawe

Both Research Project are undertaken for the year Oct. 83 to Sept. 84.

APPENDIX—VIII

Seminar's Conference Associations & Papers read.

Department of Physiology

Mr. Asarani Sanjav Giridhar secured Gold Medal in Physiology in the above examination. Miss Anuja Dokras secured Highest number of marks in female candidates appeared for the above examination.

(a) Dr. (Mrs.) Kendurkar S. M. was invited to participate in the Seminar on Research Strategy in Ayurved. She gave a talk on the Mechanisms of Gastric motility. The Seminar was held on 12th Feb. 1983 in Bombay.

(b) A paper on "Role of Mn in ouabain Induced Cardiac Arrhythmias" was presented in International Conference on "Elements in Health and Diseases" in February 1983 at New Delhi. The paper is written by Dr. Mogre, Dr. Mrs. S. M. Kendurkar, Dr. Dharani, Dr. (Mrs) Bharadwaj & Dr. Kashalikar.

(c) Dr. (Mrs) Kendurkar S. M. was invited to give talk in 'Symposium' on 'Nerve Injury' arranged by the Department of Orthopaedic Surgery of K. E. M. Hospital. She gave talk on "Degeneration & Regeneration in the peripheral Nerve injuries" on 16th August 1983.

(d) Dr. (Mrs) Kumudini Deo was invited to participate in the symposium on 'Skin and Beauty' at S. N. D. T. University. She gave a talk on "Structure and functions of Skin" in the month of August 1983 in the above symposium.

(e) Dr. Kashalikar S. J. attended Annual conference of Association of Physiologist & Pharmacologist of India at Delhi in December 1983. He presented his paper on "Repelling Activity in Neuronal Loop; An Important Determinant in organisation of Neurons in Central Nervous System."

(f) Dr. S. J. Kashalikar was invited in the Month of November 1983 to give a series of Three Lectures on "Regulation of Posture" for the staff members and Postgraduate students of Neurology and Neurosurgery of K. E. M. Hospital in Bombay.

Extra-caricular Activities

(1) Dr. Kashalikar S. J. has written "Preface" to the book "Tan, Man, Hechi Dhan" written by Dr. (Mrs.) Kolhtakar S. K.

(2) Dr. Kashalikar S. J. gave talk on "Supersticious Belives" in Vasai under the auspices of Jeevandarshan Kendra in the month of October 1983.

(3) Dr. S. J. Kashalikar has selected in the Advisory Board of 'Aurogya Dakshata Mandal' Pune for the year 1983-84.

Social Service Department :

Social workers organized, convened and attended seminars and presented papers. Miss B. Gandhi attended the seminar on the "Development of Talents of the Physically Handicapped." Miss V. Goswami organized and convened a seminar on "Paraplegics, their trials, tribulations and rehabilitation at the K. E. M. Hospital & read a paper on "Rehabilitation in traumati paraplegics-a case study of 48 cases. Miss Goswami also participated in a seminar on "Sexuality in the First Decade."

Department of Medicine**A. K. D.**

(A) 40th Bombay Medical Congress—Dr. Bharat V. Shah presented a paper on —Urinary Tract Infection in Diabetic subjects. This paper was awarded 'Best Paper' Prize.

(B) —Annual meeting of Indian Society of Nephrology.

(1) Dr. Bharat V. Shah—Tutor Actute Renal failure in a Paediatric population.

(2) Dr. Umesh Khanna (Tutor)—Lipid profile in Nephrotic Syndrome.

(3) Smt. V. N. Acharya, Prof. & Head—Increasing bacterial resistance of Urinary pathogens—a ditemmai.

Department of Plastic Surgery

Dr. K. S. Gleria, Hon. Prof. & Head.

(A) Attended the VIIIth International Congress of Plastic Surgery at Montereal, Canada in the month of June 1983 & visited the following Academic Centres

(i) Sick Childrens' Hospital at Toranto to see Cranio-Facial Surgery. During his stay, he gave a Short Talk to the staff members & Postgraduate of the department.

(ii) He visited the Medical School of the University Hospital of Philadelphia.

(iii) Visited the Shriners Burns Hospital at Cincinnati and gave a talk on Post Burns deformaties.

(iv) He visited the Mayo Clinic, Rochester, Minnesota and was invited to give 2 talks to the Members of Faculty & Post-graduate members.

(v) He visited the University Hospital at Maxico, and participated there in their teaching Programme.

(B) Participated in the Annual Conference of the Association of Surgeons of India at Madras in December 1983.

(C) Attended the International Atomic Energy Agency sponcered Advisory Group meeting "Radiation Sterilisation of Tissue Grafting and Tissue Banking Asia and Far East" at Nehru Plantorium Centre, Bombay from 5-9, Decembrer 1983.

Dr. C. V. Mehendale, Hon. Assoc. Prof. & Hon. Assoc. Plastic Surgeon

Attended the International Atomic Energy Agency sponcered Advisor Group Meeting on 'Radiation Sterilisation of Tissue Grafting and Tissue Banking in Asia and Far East' at Nehru Planatarium Centre, Bombay from 5-9, December 1983.

Dr. S. R. Tambwekar, Hon. Assoc. Prof. & Hon. Assoc. Plastic Surgeon—

Attended the International Atomic Energy Agency sponcered Advisory Group Meeting on 'Radiation Sterilisation of Tissue grafting and Tissue Banking in Asia and Far East' at Nehru Planatarium Centre, Bombay from 5-9, December 1983,

Department of Pediatrics**Special Events :****Visitors & Guests/Workshops :**

(1) Prof. Rodney Harris and Dr. (Mrs.) Hilary Harris visited the Department and Paediatric Research Laboratory in February 1983. Prof. of Medical Genetics, University of Manchesters, U. K. , Dr. Harris was shown all the activities of the Department & the P. R. L. in particular, was shown a wide array of clinical cases in the genetic syndrome and inborn errors of metabolism speotrum. Dr. Harris spent four hours in the laboratory and wards. Since he was on a mission through British Council to visit teaching hospitals with Genetic Deptment. Dr. Harris filed a report commending our Genetic Division of very glowing Terms and recommended an Academic Link Interchange Scheme for 1984-85 between two clinical & lab. staff members of P. R. L. and then British counterparts.

(2) Dr. Brian Wharton, Pediatrician and Gastroenterologist from Sorrento Hospital Birmingham, U. K. visited the Department on November 22-23, 1983 and conducted a two day workshop on the subject of Pediatric Gastroenterology and nutrition. The highlight of this workshop were papers presented by recent postgraduates based on their thesis for M. D. on topics relevant to the subject of the Workshop, the sessions being chaired by Dr. Wharton followed by open discussion. All the teaching hospital departments participated in this workshop organised by our department and held at Seminar Hall. Dr. Wharton delivered 2 lectures entitled "Food and the Fetus" and "The Gut in Malnutrition."

(3) Dr. David Hall, Pediatrician & Neurologist from St. George Hospital, London, visited the department in December 8-9th, 1983. A workshop on "Cerebral Palsy" was held on 2 days with the co-operation and cosponsorship of Spastic Society of India. Speakers included Pediatricians and paramedical personnel from Spastics society on various topics including Obstetric, perinatal, diagnostic, rehabilitative aspects of the disease. Dr. Hall himself chaired these sessions, conducted lecture demonstrations with video films and lectured on "Minimal Brain Dysfunction." The workshop was a great success as the main purpose was the establishment of guidelines for the setting up of a C. P. clinic in a general hospital set up, and a panel discussion was held comprising Dr. David Hall, Dr. N. B. Kumta, Prof M. M. Shahane (O. T.), Mrs. Thatte (Psychologist) & Miss More (Speech therapist).

Dr. Simin F. Irani :

(1) Appointed by W. H. O. as the course Director to conduct the Neonatology Workshop at Aurangabad—Feb. 83.

(2) Appointed as the member of the Governing Body of Neonatology Forum.—Sept. 83.

(3) Invited by W. H. O. to participate in Neonatal Tetanus Workshop & participate in project formation—Dec. 83.

(4) Conducted I.C. M.R. Research Project in Maternal Mortality and Neonatal mortality.

(5) Chairman for the Neonatology Session at the XXth National conference of Pediatrics, Poona—Nov. 83.

(6) Participated in C. M. E. Programme at the XXth National Conference at Poona & spoke on 'Neonatal Care at District Level'—Nov. 83.

(7) Chairman for the session on "Low Birth Weight Babies" at the Neonatology forum meet at Indore—Dec. 83.

(8) On the session on Neurodevelopment of an infant acted as a critique and spoke on the Development of Infant under Indian circumstance—Dec. 83.

(9) Invited by I. A. P. Solapur Branch and delivered talk on 'Respiratory Distress in New-born and Thermoregulation—Oct. 83.

(10) Article on Diarrhoea in Infant—Indian Pediatrics,

Dr. R. D. Khare : Paper read.

Mucopolysaccharidosis : Feasibilities and Limitations in the diagnosis at the 20th All India Conference of the Indian Academy of Pediatrics held at Poona.

Co-organiser for Workshops held in K. E. M. Hospital on—

(1) Nutritional Disorders and Pediatrics Gastroenterology conducted by Dr. Brian Wharton on 22nd & 23rd Nov. 83.

(2) Cerebral Palsy conducted by Dr. David Hall on 8th & 9th Dec. 83.

Dr. B. A. Bharucha :

Attended XXth National Conference of the Indian Academy of Pediatrics—Nov. 83 —Paper presented on 'Hepatic Glycogenoses—A Biochemical approach to differential diagnosis."

Dr. M. D. Shah : .

(1) Experience in the long term Management of Bronchical asthma in Children.' M. D. Shah, Vidya Kulkarni, Preeti Parel, M. V. Ba'sekar, Sandhya Gupta. The paper was read at the XXth Annual Conference of IAP 'XXth Annual conference of IAP in Nov. 1983.

(2) "A study of Pneumonias in children with the special aim of determining the role of mycoplasma infections and the diagnostic utility of lung aspiration." M. D. Shah, Varsha Joshi etc. Paper read at the XXth Annual Conference of IAP Nov. 1983.

Scientific Programme :

(1) Lecture given on "Clinical genetics in general practice" in 12th Annual Conference of Indian Medical Association Bombay branch on 27th March 1983.

(2) Lecture given on 'Newer development in the drug therapy of epilepsy' at a symposium organised by General Practitioners Association.

Dr. M. K. Jain—

- (1) Seminar of child care under the joint auspices of UNICEF & Patan Jain Mandal at Bombay Feb. 1983.
- (2) Seminar on Neonatology : Indian Academy of Pediatrics, Sholapur Branch, Oct. 1983.
- (3) Workshop on 'Diarrhea' and Malnutrition' under the Joint auspices of IAP and K. E. M. Hospital—Nov. 1983.
- (4) 20th National Congress of Pediatrics at Pune Nov. 1983. Chaired a Scientific session at the conference.

Dr. Papers Presented—

- (1) Study of Jejunal microflora : staff Socity K. E. M. Hospital, Jan. 1983.
- (2) Biochemical changes in Vit. A-Deficiency. Workshop on 'diarrhea and malnutrition' of IAP at K. E. M. Hospital, Bombay Nov. 1983.
- (3) Fecal leucocytes in Acute diarrhea of infants and children : paper was selected for S. T. Achar award competition at IAP Pune-Nov. 1983.

Dr. V.V. Kulkarni—**I. IInd National Conference of diseases of chest**

- (1) Pulmonary function Tests in Bronchial asthma.
- (2) Pulmonary function Tests in Bronchiectasis.

II. XX National Conference of Pediatrics

- (1) Long term Management of Bronchial Asthma in Children.
- (2) Study of pneumonias in children with special reference to Mycopl. Pneumonia.

Postgraduate performance in Exam. Dr. M. V. Balsekar

- (1) D. C. H. : Shanti Sheth Prize for highest number of marks in clinical subjects & Gold Medal.
- (2) M. D. First Attempt & 3rd Rank in University.

Dr. Preeti Patel—

- (1) Attended XX National Conference of Pediatrics at Poona in Nov. 1983. Read a paper entitled 'Fecal Leucocytes in Acute Diarrhoea of infants & children' which selected for S. T. Achar Award competition.
- (2) One of the authors for a case report of Niemen Picks Disease published in Indian Pediatrics—1983.

Dr. Joshi—Invited to present a paper on Rheumatic fever at the D. G. H. S., WHO, ICMR sponsored All Indian Symposium on 'Rheumatic fever and Rhemumatic Heart Disease complen in the country, present and future,' held in Delhi on 30th and 31st December 1983.

Dr. Kandoth—Invited to participate in a National workshop on 'Facilities of child Health care available at different levels', held at Ahmedabad by the Indian Academy of Pediatrics. Ahmedabad branch.

Dr. Jaishree Kamath—Presented a paper entitled 'cell mediated immunity in post measles-cases' at the 20th National conference of IAP at Pune in Nov. 1983.

Paper presented at X th Annual conference of ACBI held at Cuttack in Dec. 83. 'Blood glucose levels in Newborn'-Dr. B. Y. Khambatta, Dr. N. J. Mehta, Dr. D. R. Bhosle, Dr. P. W. Kandoth.

Department of E. N. T.**Dr. M. V. Kirtane, Prof. in E.N.T.**

- (1) First Indian to be accepted as a member of the Barany Society Sweden.
- (2) Appointed as the Editor of the International Neuro-otological and Equilibrimetric Society.
- (3) Invited as Guest Lecturer by the U. P. Branch of Association of Otolaryngologists of India.
- (4) Invited as Guest Lecturer by the Karnataka Branch of Association of Otolaryngologists of India.
- (5) Participated as a faculty member in the Workshop on Neuro-otology in West Germany.
- (6) Conducted 3rd Neuro-Otological Workshop in the Dept of E. N. T.
- (7) Invited to participate XI. NES (International) Conference in Bad Kissingen, West Germany.
- (8) A paper on 'Ossiculoplasty-a new prosthesis' to be published in the May Issue of Journal of Laryngology & Otology.
- (9) A paper on 'Transnasal Vidian Nerve' accepted for publication in Journal of Laryngology & Otology.

Dr. K. L. Shah, Hon. Assc. Prof.

Elect. Elected as a President of Association of Otorhinolaryngologists of India.

Dr. S. B. Ogale, Reader in E. N. T.

- (1) Presented a paper on 'Glycerol test in Endolymphatic Hydrops' in the Annual Conference of A. O. I. (Bombay Branch).
- (2) Presented a paper on Interesting case report in the Annual Conference of A. O. I. held at Ahmedabad.
- (3) Research study on 'Submucous fibrosis of oral cavity.'
- (4) Conducted 1st Transnasal Vidian Nerve Caustery Workshop in Oct. 1983.

Dr. Anand K. Shah, Lecturer :

- (1) Visited ENT Clinic in Tubingen, W. Germany for 3 months and House Ear Institute, Los Angeles for 2 months.
- (2) British Commonwealth Scholarship to attend VI British Annual Conference at Bristol in July 1983.)
- (3) Best paper award at the Zonal Conference of A. O. I.

Dr. Prabodh P. Karnik, Registrar . :

- (1) Awarded the Late Seth Gagalbhai Nathubhai Prize for 1983 for passing M. S. Degree Exam. with highest Proficiency.
- (2) First in merit in the above mentioned exam. and was awarded distinction.
- (3) Awarded the Dr. Manubhai Mehta prize by the College of Physician and Surgeon Bombay for being 1st in merit in the Diploma in Otorhinolaryngology exam. of April, 1983.
- (4) Awarded late Homo Gandhi Research Scholarship.
- (5) Attended Rhinoplasty Workshop in New Delhi.
- (6) Awarded Ethicon Travel Fellowship by Association of Otolaryngologists of India.

Dr. S. C. Rao, Registrar :

Read a paper on 'Myringoplasty-underlay VS overlay-A review of 70 cases.'

Department of Neurosurgery :

(a) We are extremely fortunate in having Professor Jules Hardy visit us on 21st Feb. as a Commonwealth visiting Professor. He was kind enough to discuss our problems with trans-sphenoid surgery and delivered lectures on Surgical Management of acromegaly, Surgical treatment of cushing's disease and Surgical management of Craniopharyngiomas and other parasellar lesions.

Dr. Anil P. Karapurkar visited various centres in the U. S. A. through the courtesy of the Shri Shantilal and Smt. Shantaben Shivilal Shah Trust. He attended a microsurgical course conducted by Prof. A. L. Rhoton at the Theodore Gildred Microsurgical Education Centre of the University of Florida at Gainesville. The course consisted of lectures, demonstrations, animal and cadaveric dissections; Anastomosis of cadaveric arteries and carotid artery and jugular vein with 10/90 nylon with the aid of the microscope was studied. Transseptal, transsphenoidal operations in the cadaver were also performed. Finally he learnt dry and wet temporal bone dissection for exposure of the internal auditory meati and canals for total excision of an acoustic neuroma with preservation of the facial, acoustic and vestibular nerves. As yet we have never been able to preserve either of these nerves. This should be possible in future. Two weeks were spent at the University of Chicago in Prof. Mullan's department. He discussed different aspects of the intra and perioperative management of aneurysms. Operation on an aneurysm of the internal carotid artery and an unusual extradural operation for a recurrent chorodoma were witnessed. The use of laser for excision of a middle fossa meningioma was also witnessed. The laser is an extremely useful tool, especially for shaving tumours off important structures like the carotid artery, or the various cranial nerves, problems in using laser were discussed. (We are making efforts to obtain a unit for our department). In New York, at the Columbia Presbyterian Institute of Neurology, Prof. Bennett Stein demonstrated some operations for cerebral arteriovenous malformations and discussions were held with other members of the staff. At Houston, the Neurophysiology Laboratory of Prof. Dafory was visited. Their studies on the physiology of the pituitary gland and hypothalamus are of great interest to our department. Dr. Karapurkar has brought back with him several reprints embodying their findings.

(b) Dr. S. K. Pandya and R. D. Nagpal discussed, respectively, the surgical management of tuberculosis of the central nervous system and the surgery of ischemic strokes at the Navsari Medical Union on 30th January.

(c) Dr. R. D. Nagpal discussed the surgical management of nerve injuries and the role of microsurgery at the Symposium on Nerve Injuries held as part of the M. Ch. Orthopaedics course at the K. E. M. Hospital on 16th August. The symposium was held by the Department of Orthopaedics in our hospital.

(d) Dr. A. P. Karapurkar and S. Goyal presented a paper on Subdural effusions and empyema and their management at the Seminar on Infections of Central Nervous System in Children held on 10 & 11 Sept. at the Bombay Hospital. The Seminar was held by the Neurological Society of India and the M. R. C., Bombay Hospital.

(e) Dr. S. K. Pandya presented a paper on Hydrocephalus at the Symposium on Neurological Problems in India at the B. J. Medical College on 17,18 September. The Symposium was held by the Poona Medical Foundation.

(f) Dr. S. K. Pandya discussed surgically treatable causes of paraplegia and their treatment at a Seminar on Paraplegics-Their trials, tribulations and rehabilitation held at the K. E. M. Hospital on 1st October. The Seminar was held by the Paraplegic Foundation.

(g) Drs. S. K. Pandya and A. P. Karapurkar discussed recent investigative modalities in neurosurgery at the C. M. E. programme for general practitioners held at the Seth G. S. Medical College on 9 October. The programme was held by the Indian Medical Association Bombay branch.

(h) Drs. Ranjit D. Nagpal, Dr. B. Deval and A. Bhanghe attended the Workshop conducted by Dr. Charles Drake and his colleagues at the All India Institute of Medical Sciences, New Delhi between 12th and 16th December.

(i) Dr. Anil D. Desai attended the Seminar held at the Sri Chitra Medical Centre, Trivendram from 12-16 December and presented a paper on the clinical features of atlantoaxial dislocations.

(j) Drs. Anil D. Desai, R. D. Nagpal and Telles Mazarello attended the Annual Conference of the Neurological Society of India held in Madurai from 17 to 20 December. On behalf of Dr. S. K. Pandya, Dr. Nagpal presented a review of hydranencephaly at the C.M.E. Programme.

(k) Dr. Ashok Bange visited the Department of Neurosurgery, at the All India Institute of Medical Sciences, New Delhi and Postgraduate Institute of Medical Education and Research, Chandigarh as a Travelling Scholar of the Neurological Society of India.

(l) Dr. Anil D. Desai visited the Madras Medical College and Hospital and Post-graduate Institute of Medical Education and Research as examiner for D. M. Neurology degree and Ph. D. Biochemistry. Dr. S. K. Pandya visited the All India Institute of Medical Sciences, New Delhi and Postgraduate Institute of Medical Education and Research, Chandigarh as examiner for the M. Ch. Neurosurgery degree.

DEPARTMENT OF PSYCHIATRY :

Dr. P. V. Pradhan :

1. He was invited to participate in the National Workshop on Undergraduate Medical Education in Mental Health sponsored by W.H.O., held at the Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry.

2. He was invited to participate in a Seminar on 'Mental Health Camps' held during the 14th Annual Conference of the West Zone of the Indian Psychiatric Society at Maroli, Gujarat. He talked on the "Vital Role of Mental Health Camps with Special reference to Rural Mental Health."

3. He was invited to give a lecture on 'Newer trends in the management of male sexual dysfunction' in the Continuing Medical Education Programme at the time of Annual Conference of the Indian Psychiatric Society to be held at Ranchi, January 1984.

4. He gave a talk on "Vertigo-Psychiatrist's View-point" at the 2nd Nemotology Workshop held by the Deptt. of Otorhinolaryngology in the K. E. M. Hospital in March 1983.

5. He actively participated in the Organization of the 33rd Annual Conference of the Indian Psychiatric Society as Chairman of the Continuing Medical Education Committee, which was held on January 1983, Bombay.

Paper Read—Dr. D. R. Doongaji's unit.

Clinical and Psychophysiological correlates of responders and nonresponder Schizophrenics. Read at National Conference in Clinical Psychology at Mysore in December 1983.

Dr. L. P. Shah's Unit.

(1) Care of the Alcoholic—A multidisciplinary approach paper read at the staff Society meeting G. S. Medical College and K. E. M. Hospital.

(2) Children of Schizophrenic parents—paper read at the 13th Annual Conference of I.P.S. (West Zone branch) November 1983.

(3) Psychological Morbidity Associated with Textile Mill Strike in Bombay—paper read at the 35th Annual Conference of I.P.S. January 1983.

(4) Experience in the Use of Suicide Intention Scale. Paper read at the 35th Annual Conference of I.P.S. January 1983.

(5) Psychiatric Morbidity of patients attending General Medical O.P.D. paper read at the 13th Annual Conference of I.P.S. (West Zone) November 1983.

STAFF SOCIETY :

During the year P3—Presentation of papers were read :

Name of the Staff	Date	Topic
Dr. Ananta Dhar, Ajit Mehta, M. K. Jain, P. Dhar (Deptt. of Microbiology and Paediatrics)	15-1-1983	Study of Microflora in Jejunal Aspirates.
Dr. S. D. Deodhar, H. J. Jammihal, Navin, Patel, D. Wagh.	.. 12-2-1983	Injuries following Polio riots.
Dr. R. S. Dhir, A. A. Rao, N. A. Antao, B. R. Kelkar.	.. 12-3-1983	Natural History of prolapsed lumbar Intervertebra Disc.
Dr. L. P. Shah, P. V. Pradhan, P. D. Lakdawala.	.. 24-9-1983	Case of Alcoholic multi Disciplinary Approach.
Dr. Mehendale, Hon. Associ. Prof., Plastic Surgery.	.. 8-10-1983	Ankylosis of Temporomandibular joint. A new approach.
Dr. B. C. Mehta, Hon. Prof. Hematology	.. 19-11-1983	Effects of Iron Deficiencies, An Iceberg Phenomenon.
Prof. Dr. S. G. Kinare, Jaya Subramaniam and M. S. Ajinkya.	.. 10-12-1983	Pulmonary Hypertension due to Plexogenic Pulmonary Arteriopathy.

Guest Lectures :—

The following Guest Lectures were held during the year :

- 9-8-1983 Dr. Ellen Jo Baron from American Academy of Microbiology University of California U.S.A.
Sub. : Current practice in Hospital Clinical Microbiology in U.S.A.
- 17-8-1983 Dr. P. J. Delwaide of Hospital de Baviere. Institute De Medicine of University of Liege Belgium.
Sub. : Testing of Spinal cord function in Man.
- 3-11-1983 Dr. Hugh Roberts F., R.C.S. from Bristol U.S.A.
Sub. : Total knee joint Replacement.

DEPARTMENT OF PEDIATRIC SURGERY :**During the year :**

- (i) The No. of In-patients treated —3340 Ward
— 120 ICU-Direct Admission.
- (ii) The No. of Operation carried out-Major —1080
Minor —1873
- (iii) The No. of Out-patients looked after . — 338

The Department took part in the Annual Conference of the Indian Academy of Pediatrics held at Poona and also the Annual Conference of the Association of Surgeons of India in December. Also participated in the Triennial Congress of the World Federation of Associations of Pediatric Surgeons at Belgrade (Yugoslavia) in September.

SCIENTIFIC PRESENTATIONS :**Dr. R. K. Gandhi :**

- (i) Dr. R. G. Ginde Memorial Oration at the meeting of the International College of Surgeons at Kathmandu.
- (ii) Chaired a Plenary session on 'Future of Pediatric Surgery' at the meeting of the World Federation of Associations of Pediatric Surgeon at Belgrade.
- (iii) Dr. Shantilal Seth Salaskar Oration of the Maharashtra Chapter of I.M.A. at the Annual Conference.
- (iv) Elected President of the College of Physicians and Surgeons, Bombay.
- (v) Elected Member of the Executive Committee of M.C.I.
- (vi) Elected as Dean of the Faculty of Medicine of the University of Bombay.
- (vii) Moderated a Session on updating of Pediatrics at the Annual Conference of the Indian Academy of Pediatrics at Poona.

Dr. (Mrs.) S. S. Deshmukh :

- (i) Gave a talk on 'Tumours in Children' at Nagpur.
- (ii) Gave a talk on 'Common Pediatric Surgical Problems.'
- (iii) Re-elected as General secretary of Indian Academy of Pediatrics.
- (iv) Elected as Secretary of Bombay Chapter of A.S.I.
- (v) Participated in Annual Conference of Academy of Pediatrics C.M.E. Programme.
- (vi) Invited as a Guest Lecturer at Nagpur.
- (vii) Participated in the Symposium on Immunisation.

Dr. S. S. Borwankar :

Elected as Executive Board Member of Bombay Chapter of A.S.I.

DEPARTMENT OF MICROBIOLOGY :**Activities :**

Dr. (Mrs.) G. G. Bhave attended the Workshop of research & diagnostic method for Amoebiasis of Maulana Azad, Medical College New Delhi in March 1983.

Following Research Projects are undertaken for the year October 1983 to Sept. 1984 :—

- (1) Zymodeme studies of Entamoeba Histolytica Dr. G. G. Bhave.
- (2) Indirect Haemagglutination Test and Quinacrine Fluorescence for Rapid Diagnosis of Human Malaria—Dr. J. G. Kulkarni.
- (3) Bacteriological study of Y. Enterocolitica.
- (4) Efficacy of Formaline as an Antiseptic for wound healing, in collaboration with Dr. A. B. Samsi—Dept. of Surgery.

DEPARTMENT OF PHARMACOLOGY :

(1) XVI Annual conference of Indian Pharmacological Society held at Ajmer in December 1983.

Paper presented :

- (i) Anticonvulsant action of Tantu Pashan in Animals—S. S. Nayampalli, S. S. Dalvi.
- (ii) Hypoglycemic Activity of 'Phaki' a mixture of indigenous compounds S. S. Ainapure, U. R. Sawant, P. S. Baid, S. S. Maste and A. B. Varde.

(2) IX Maharashtra Pharmacological conference held at Aurangabad in August 1983.

(3) Annual conference of Indian Toxicological Society held at Pune in November 1983.

(4) Medinfo 1983 held at Amsterdam in August 1983 —

Paper presented—

(i) Data bank on instruments for management control in public hospital in a developing country.—S. M. Karandikar, S. Dahanukar and C. K. Dēshpande.

(5) International conference on Drug information held at Washington D. C. in July 1983.

Paper presented :

(i) Drug information an attempt in a developing country. N. A. Kshirsagar, S. M. Karandikar, S. A. Dahanukar, K. C. Gupta, S. S. Ainapure, N. N. Athanikar.

(6) IInd World conference on clinical Pharmacology and therapeutics held at Washington D. C. in July August 1983.

Papers presented :

(i) Evaluation of Piper longum in childhood asthma.
S. Dahanukar. S. M. Karandikar and M. Desai.

(7) A 3 day workshop on 'Information system in health care' was organised by the Department staff members in collaboration with British Council.

(i) Meeting on Immunological Aspects of Reproduction in Mammals at School of Agriculture Sutton Bonington Loughborough (UK) and WHO Task Force meeting on Immunological Aspects of Contraception .

(ii) SAC meeting at NIN, Hyderabad.

(iii) XVth Annual Conference of SNM India, at Jaipur, delivered
Dr. Bhabha Memorial Oration.

(iv) Member Traditional Medicine research committee ICMR.

(v) Member organising committee for symposium on 'Recent advances in Protozoan Diseases' November 28-29, 1983. Bombay, India.

Prof. S. M. Karandikar :—

Organized a three day workshop in 'Information systems in Health care' at G. S. Medical college in collaboration with the British Council of India. was given a research grant from Bombay Municipal Corporation for doing a project on 'Data Bank of Instruments at G. S. Medical College and K. E. M. Hospital.

Dr. (Mrs.) S. A. Dahanukar :

(i) Delivered a lecture on Tradional system of medicine. In India; Iestari Foundation-Djakarata, Indonesia & Southsia Institute, Heidelberg, W. Germany.

(ii) Attended International Symposium on 'A' continuing Focus on Herbal Medicine' a Washington D. C.

(iii) Attended a seminar on 'Aging and drugs that influence noradernergic system in man' at NIH Bethesda USA.

(iv) Awarded IDMA Best Research paper for year 1982-83 for the paper entitled 'Cytoprotective effect of Terminilia chebula and Asparagus recemosus on gastric mucosa'. (S. Dahanukar, S. G. Date and S. M. Karandikar.)

Dr. (Mrs.) N. A. Kshirsagar :

(i) Attended 'Liquid chromatography training course at Zug. from 27th June to July 1, 1983.

(ii) Attended—'Trands in instrument analysis . organised by Indian Chemical Bombay April 1983.

(iii) Attended 25th meeting of American Association for Clinical Chemistry at New York. July 1983.

Papers Published :

1. Samsi A. B., Bhalerao R. A., Shah S. G., Mody B. B.; Paul T & Satoskar R. S. Evaluation of centbucridine as a local anesthetic agent. *Anesth. and Analg.* 62 : 109-111, 1983.

(2) Gadgil S. D., Vaidya A.B., Rajagopalan T. G., Talwalkar P. K., Desai N. D. Gupta S., Paul T., Satoskar R. S. and Bhandarkar S. D. : Intravenous glucose tolerance test following oral tolbutamide administration—A possible model for the evaluation of a new hypoglycemic agent : 3. *Postgrad. Med.* 29 : 82-88, 1983.

3. Dasgupta D., Garasia M., Gupta K. C. and Satoskar R. S. : A reandomised double-blind study of centbucridine and lignocains for subarachnoid block. *Ind. J. Med. Res.* : 77:512-516, 1983.

4. Desai A. B., Doongaji D. R., and Satoskar R. S. : Metaclopramide in Gilles dela Tourstee's syndrome. *J. Postgrad. Med.* 29 : 181-183 1983.

5. Vacharajani G. N., Parikh N., Paul T & Satoskar R. S. : A comparative study of Cent bucidine and lidocaine in dental extraction. *Ind. J. Clin. Pharm. Res.* 3 : 251-255, 1983.

6. Doongaji D. R. Sheth A. J. Parikh R. M. Paul T. Vahora S. A., Apte J. S., Desai N. K., Upadhaya A. K. and Satoskar R. S. : Clinical evaluation of centbutindole as an anti-psychotic agent. *Ind. J. Med. Res.* 78 : 126-133 1983.
7. Kshirsagar N. A. Paul T. & Satoskar R. S. : A Drug interaction between clonidine and enphenamic acid. *JAPI.* 31 : No. 12, 805-807, 1983.
8. Shah L. P. Ayyar K. S. Agarwal B. R. Pradhan P. V. Bagadia V. N. Gupta K. C., Paul T., Santhanam H. and Sheth U. K. : Drug surveillance programme in Psychiatry adverse drug reactions. *Ind. J. Psychiatry.* 25 : 229-234, 1983.
9. Kshirsagar N. A. : Antiplatelet agent in prevention of myocardial infarction. *Ind. Heart. J.* 35 : 60, 1983.
10. Edmund W. J., De Maar, Kshirsagar N. A. & I. Darmansjah. : An Asian perspective on drug and related Health Care Information. *Drug Information Journal (USA)* 17 : 263, 1983.
11. Dahanukar S. A., Kapadia Anuradha and Karandikar S. M. : Influence of Trikatu powder on Rifampicin bioavailability. *Ind. Drug* 29 : No. 10, 402-404, 1983.
12. Dahanukar S. A., Sharma Suhasini and Karandikar S. M. : Evaluation of anti-inflammatory potentials of guggal. *Ind. Drugs.* 20, No. 10, 405-408, 1983.
13. Dahanukar S. A. and Karandikar S.M. : Rethinking on research in Ayurvedic medicines. *Ind. Drugs.* 20, No. 4, 177-182. 1983.
14. Dahanukar S. A., Date S. G. and Karandikar S.M. : Cytoprotective effect of Terminalia Chebula and Asparagus recemosus on gastric mucosa. *Ind. Drugs.* 20, No.11, 1983.

APPENDIX—IX.

New Projects : DEPARTMENT OF PSYCHIATRICS :

1. Centbutindol vs Trifluoperazine : A double blind controlstudy in Schizophrenic patients.
2. Double-blind evaluation of Penfluridol with a standard longacting neuroleptic (Intramuscular) in chronic schizophrenia.
3. Centpropazine in depressive illness : An open study.

APPENDIX— X

List of Operations performed in the Cardio Vascular & Thoracic Operation Theatre :

1	O. M. C.	..	..	..	..	..	221
2	M. V. Plasty	..	..	..	..	..	9
3	C. M. C., A. V. R.	..	..	..	..	..	30
4	C. M. C.	..	..	..	..	..	126
5	M. V. R.	..	..	..	..	..	100
6	A. V. R.	..	..	..	..	..	43
7	AO Valvotomy	..	..	..	..	..
8	A. V. R./M. V. R.	..	..	..	..	..	19
9	L. A. Myxoma	..	..	..	..	..	3
10	Pulmonary Valvotomy	..	..	..	..	..	10
11	T Valvotomy	..	..	..	..	..	3
12	Tripl Valvotomy	..	..	..	..	..	2
13	A. S. D.	..	..	..	..	..	130
14	V. S. D.	..	..	..	..	..	28
15	Falot	..	..	..	..	..	21
16	A. V. Canal	..	..	..	..	..	1
17	Coarct	..	..	..	..	..	7
18	Semming's	..	..	..	..	..	2
19	B. T. Shunt	..	..	..	..	..	21
20	P. D. A.	..	..	..	..	..	46
21	Lung	..	..	..	..	..	28
22	Thymectomy	..	..	..	..	..	4
23	A. V. Fistula	..	..	..	..	..	11
24	Embolectomy	..	..	..	..	..	48
25	C. A. B. G.	..	..	..	..	..	7
26	Vascular	..	..	..	..	..	29
27	Font	..	..	..	..	..	1
28	Sympathectomy	..	..	..	..	..	7
29	Mediasternal Biopcy	..	..	..	..	..	2
30	Pericardiaectomy	..	..	..	..	..	10
31	Pericardial Drainage	..	..	..	..	..	12
32	Nephrectomy	..	..	..	..	..	1
33	Amputation	..	..	..	..	..	2
34	Cervical Rib excision	..	..	..	..	..	2
35	Cartilaze Excision	..	..	..	..	..	1
Total No. of operations							962
Open Heart Operations							510

APPENDIX—XI

Serial No.	Description of Activity	Unit of Measurement (Daily Average)		Actual	Budget	Revised	Budget
		O. P. D.	Indoor	1982-83 Patients	Estimate 1983-84 Patients	Estimate 1983-84 Patients	Estimate 1984-85 Patients
1	2	3	4	5	6	7	8
1	Medicine Deptt.	89	40	45,592	53,000	42,670	50,000
2	Surgery Deptt.	63	30	33,071	40,000	32,138	40,000
3	Obst. and Gynaec.	38	26	23,806	30,000	24,522	30,000
4	Paediatric.	26	19	14,360	20,000	13,766	16,000
5	Premature Baby Ward	..	..	182	500	450	300
6	Radiology	..	200	72,830	2,50,000	2,00,000	2,00,000
7	Path. & Bact. (Inve.)	..	..	2,36,211	4,00,000	4,00,000	35,00,00
8	Casualty.	262	..	83,381	1,00,000	83,274	1,00,000
9	Orthopaedic	70	10	33,414	40,000	32,114	40,000
10	E. N. T.	52	6	19,079	25,000	18,422	25,000
11	Ophthalmic	39	5	17,457	24,000	16,113	20,000
12	Skin & Ven. Deptt.	96	2	20,766	28,000	19,481	25,000
13	Gastro Enterology	4	2	121	500	458	1,000
14	Neurology	5	2	1,453	2,000	1,509	2,000
15	Urology	8	2	1,173	1,700	1,868	2,000
16	Blood Bank (Donors)	..	35	12,000	14,000	13,500	14,000
17	Speech Department	Reflected in Ear, Nose, Throat Department.					
18	Psychology	9	3	6,694	8,500	5,837	7,000
19	Biochemistry Deptt. (Tests).	227	..	82,646	1,50,000	1,00,000	1,00,000
20	Pharmacy Deptt.						
	I. V. Bottles	930	..	2,77,620	3,00,000	3,00,000	3,00,000
	Saline Set	238	..	69,925	75,000	75,000	75,000
	Bleeding Set	58	..	12,000	22,000	15,000	15,000
21	Intensive Care Unit.	10	6	5,206	6,300	6,000	5,000
22	Dental Clinic	20	..	10,009	15,000	8,644	12,000
23	Neuro Surgery	7	2	2,579	4,000	3,129	4,000
24	Plastic Surgery	10	2	1,022	1,500	1,085	1,500
25	Thorasic Surgery	9	4	3,265	3,800	3,408	4,000
26	Cardiology	31	4	4,111	4,500	4,633	5,000
27	Asthama	..	..	Reflected in Chest Unit			
28	Diabetic	..	..	Reflected in Endocrinology			
29	Haematology	2	2	257	500	149	500
30	Endocrinology	4	1	1,992	3,000	1,682	2,500
31	Artificial Kidney Department.	1	..	305	450	425	450
32	Dispensary Service	2	..	122	1,000	100	500
33	Epilepsy Clinic	11	..	996	1,500	1,068	1,500
34	Chest Clinic	14	5	2,402	2,800	2,297	2,600
35	Arthritis Clinic	8	..	315	500	332	500
36	Vascular Clinic	Reflected in Thorasic Surgery Department.					
37	Immunization Centre	15	..	2,218	2,760	2,289	2,500
38	Observation of T. B. cases	Reflected in Medicine Department.					
39	Audiology Department	Reflected in E. N. T. Department.					
40	Mobile Health Unit	No such unit is existence in this institution.					
41	Occupational Therapy.	..	..	1,82,502	15,500	15,500	2,00,000
42	Physio Therapy	..	..	22,280	27,000	23,000	23,000
43	Sports Clinic	8	..	373	500	416	500
44	Evening Dispensary Mun. Staff.	4	..	12	100	154	500

Bai Yamunabai L. Nair Charitable Hospital & Topiwala National Medical College

HIGH LIGHT :—**Hospitals :—**

(1) Total expenditure including liabilities	...	...	Rs.	43,74,606.00
(2) Donations received	...	...	Rs.	2,14,726.45
(3) Amount collected from boxes	...	...	Rs.	7,154.52
(4) Amount spent from the fund for the poor patients	...	...	Rs.	10,96,172.47

Indoor Patients :—

Beds	... 850	In-patients	...	37,815.00
Daily average number of patients	...	...	...	988.65
Highest number of Admission on a single day	...	...	...	201
Highest number of Inpatients on a single day	...	...	...	1,116
Number of patients discharged during the year, including 932 brought from the previous year	...	...	...	29,875
Cured	...	...	...	17,516
Otherwise	...	...	...	12,359
Average stay of patient	...	...	...	10.5 days.
Average cost per in-patient...	...	...	...	Rs. 74.50
Average cost per out-patient	...	...	...	Rs. 15.10

Deaths :—

Within 24 hours of admission	...	...	...	694
After 24 hours but within 72 hours of admission	197
Exceeding 3 days	1,123
			Total	2,014

Operations :—

Indoor patients	12,629
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Autopsies :—

Post-mortem done	1,045
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Deliveries :—

(1) Confinements	3,252
(2) Deliveries	2,704
(3) Maternal deaths	3
(4) Medical termination of pregnancy	617
(5) Sterilization (Female)	...	...	...	653
(6) Sterilization (Male)	...	...	...	74
(7) Baby deaths	...	...	...	Full term 39 Premature 90
(8) Baby still-births	...	...	...	Full term 66 Premature 54

Out Patient Department :—

(1) O. P. D. New Attendance	...	...	...	1,94,379
(2) O. P. D. old Attendance.	...	...	...	7,79,632
(3) Daily average O. P. D. new attendance	...	...	...	633.16
(4) Casualty attendance	...	...	...	19,589
(5) Daily O. P. D. attendance (Old + New)	...	...	...	3,172.67
(6) Highest No. of attendance on a single day	...	...	...	3,517
				97,4011

Court Cases Attended by R. M. O.s :—

(1) Presidency Magistrate's Court	...	...	...	530
(2) Sessions Court	...	...	...	142
(3) Motor Accident Tribunal	...	...	...	72

Paying Bed Scheme :—

The paying bed scheme has started functioning from 18-7-1977 in the side section of Ward 17 for female patients and Ward 20 and 21 for male patients 314 patients had taken the advantage of the paying beds during the year 1983

INTENSIVE PAEDIATRIC CARE UNIT :

An Intensive Paediatric Care Unit started functioning from 1-8-1977 in a special & separate section of the Paediatric ward. The Intensive Paediatric Care Unit admit acutely ill children in need of continuous observation. It is equipped with all the monitoring and resuscitative equipment. A Registrar and a Staff Nurse are posted for round the clock duty. Mortality rate has been declining after the commissioning of this specialised unit. During the year 1983, 365 children were admitted in the unit.

MEDICAL ACUTE CARE UNIT :

The Department of Medicine established a separate Medical Acute Care Unit with 12 beds which started functioning from March 1978 onwards. These beds are housed in a single ward with pooled in equipment which includes Respirators, B. 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. 804 patients were treated in this section.

**B. Y. L. NAIR CHARITABLE HOSPITAL
AND
TOPIWALA NATIONAL MEDICAL COLLEGE**

Bai Yamunabai L. Nair Charitable Hospital continued to render Medical Relief to the sick and Topiwala National Medical College imparted Medical Education to the students, as usual.

Dr. B. R. Kalke, M.B. (Bom.), S., F.C.P.S., F., I.C., A. and Ph.d. (U.S.A.) and Dr. K.K. Gulati, B.Sc. (Hons.), M.B.B.S., D.A., C.P.S., D.A., C.I.H., D.P.H., F.R.I.P.H.H. (Lond.) held the posts of Dean and Asstt. Dean respectively during the year.

Dr. (Smt.) P. G. Hiranandani, M.B.B.S. and Dr. (Smt.) N. Dixit, M.D. held the post of Sr. Asstt. Medical Officer.

Shri S. P. Ghaste held the post of Ward Officer from 10-2-1983.

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, Pediatrics, Anaesthesiology, E.N.T., Orthopaedics, 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, Hematology, Endocrinology, Rheumatology and Collagen Diseases, Neo-natology, Pediatric Surgery, Head and Neck Surgery and the department of Neuro-science, this is approved by W.H.O. for research and training in strokes 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, Glaucoma and Squints Anaesthesia Assessment and a School Clinic.

Special units for hospitalised patients have been developed like Intensive Care Unit and Medical Acute Care Unit. There is a Special Family Planning Centre, Health Check up Centre and a most modern Speech Therapy and Audiology Clinic and department which is also a training school affiliated to the University of Bombay. 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 programmes 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 a full equipped blood bank which functions on voluntary donations of blood by relatives of patients and members of the public.

DEPARTMENT OF SEXUAL MEDICINE :—

This department was established in December 1981 and conducts an Out-patient's Clinic once a week. Patients with Sexual dysfunctions are treated at this clinic. The Clinic has been Shifted to L. T. M. G. Hospital from March 1984 Onwards

ULTRASONOGRAPHY :—

This unit was established in December 1981 with Ultrasonography equipment with video and biopsy facility costing Rs. 14 lacs. This unit carries out imaging of organs like liver, gall bladder, spleen and also studies of the foetus.

ARTIFICIAL KIDNEY DEPARTMENT :—

This department started functioning in January 1982 with 4 machines. 5 live kidney transplantation were done during the year 1983-84.

MENTAL HEALTH CASE 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 envelopes making, purse making, assembling forms of R.T.O. etc.

HEALTH CENTRE :-

Two new health centres have been set up at Shivaji Nagar, Govandi and Shahaji Nagar, Cheetah Camp. The average attendance at these centres is 300 patients per day.

NATIONAL CENTRE OF NEUROSCIENCE :-

At the National Centre of Neuroscience, a C.T. Scan has been installed by construction of additional space, installation of a lift and specialised airconditioning units. At this place, a Guest House for visiting W.H.O. experts has also been constructed. This scheme was started from 9-5-1983.

DEPARTMENT OF CARDIOLOGY :-

In the department of Cardiology, 2 Dimensional Echo Cardiography Machines have also been installed during the year and are working satisfactorily.

A new lift block with 6 lifts has now been constructed as a part of Nair Hospital Building. These 6 lifts, in addition to the 4 already existing in the building, will greatly facilitate movement of staff, patients, public and hospital material.

E.N.T. THEATRE :-

The E.N.T. Theatre has also been renovated providing one more theatre for carrying out highly sophisticated operations. A special T.V. room has been constructed adjoining this theatre so that the operative work can be seen by students on a colour T.V. screen by sitting in this room.

HYPERBARIC CHAMBER :-

Hyperbaric Chamber at Kasturba Hospital has started functioning from 5-11-1983 and has already treated over 120 patients.

TEACHING CENTRE AND PAEDIATRIC CENTRE :

Conversion of Kamathipura Maternity Home into a teaching centre Presently obstetric and Gynaecology Department of Nair Hospital and T. N. M. C. has been shifted to Kamathipura Hospital to enable the repair of the building to be carried out. Three additional units in Obstetrics and the Gynaecology will be started in Kamathipura Hospital after the present units are shifted back after completion of repairs.

EXPANSION PROGRAMME :

Due to repair of the Annexe Building the following wards are shifted to the following hospitals :-

Orthopaedic Male & Female Ward	Kasturba Hospital.
Gynaec. & Obst. Wards. :	Kamathipura Maternity Home.
Skin & Ophthalmic Wards.	Dr. Bhajekar Hospital.
T. B. Ward.	T. B. Hospital, Sewri.

The 2nd and 3rd floors of the old twin hospital building are proposed to be dismantled or gr. floors are to be utilised for O.P.D. etc. later on. In the meantime a Gr. floor new building is being constructed at Patel Compound which will accommodate all the wards now shifted to other places. It is expected that this new building will be ready to use by August/September 1985.

TRAINING CENTRE :-

The hospital provides facility to medical and dental students from the Topiwala National Medical College and Nair Hospital Dental College. Training of nurses also done at these institutes.

CHARGING OF FEES TO O.P.D. AND INDOOR PATIENTS AT THE MUNICIPAL HOSPITAL :-

The Standing Committee under item No. 1733 of 2nd March 1982 has approved M.C.'s proposal for levy of charging of O.P.D. and Indoor papers for patients attending Municipal General Hospital. As per C.A.'s circular No. CA/RG/95 of 2nd March 1982 this scheme is to be implemented from 1st April 1982. The staff at the Registration Counter receive Rs. 2 per O.P.D. case paper from the patients coming for treatment in O.P.D. O.P.D. case paper would be valid for 15 days only. After 15 days the patient has to pay Rs. 2 for renewing the case paper.

As regards Indoor patients an admission fee of Rs. 5 is to be collected at the time of admitting the patient. Each paper is valid for 10 days only. If however the doctor attending on the patient, advises that the patient is required to be kept in the hospital beyond 10 days and the Dean, Assistant Dean or A.M.O. of the hospital on considering the advise prescribed such a stay beyond 10 days the same old form will be continued beyond 10 days and no additional fees would be levied. In the absence of such certificate from the doctor attending on the patient, a fee of Rs. 5 per day of stay in the hospital beyond 10 days is levied and recovered.

PAYING WARD

The present charges of Rs. 12 per patient per day for paying beds (Side Room) have been increased to Rs. 30 per patient per day. Similarly, present charges of Rs. 6 per patient per day in paying wards at Sion and other hospitals have been increased to Rs. 15 per patient per day. Besides, these patients will also be charged at Rs. 60 for minor operation and Rs. 120 for major operation. They will also be liable to pay Rs. 10 per X-ray plate for X-ray investigation and Rs. 10 for Pathological/Bacteriological BMR Test each and for E.C.G. or encephalogram. These fees are to be paid in the offices of the hospitals as at present.

The Municipal employees and their nearest dependent family members are to be given treatment free of above levies for case paper etc. The Municipal employees, however, will have to produce his identify card or a proof from the head of the department about his employment in municipal service.

1. DEPARTMENT OF MEDICINE :—

The department of Medicine consists of 4 full-time and 2 part-time units. There are other specialised units like Gastroenterology, Cardiology which are full-fledged speciality units. Other specialities with limited number of beds are Nephrology, Rheumatology, Haematology, Diabetic, Thyroid, Hypertension and Asthma. The department has a Medical Acute Care Unit, which continues to give excellent patient care.

The department has an active undergraduate and post-graduate training programme. In December, 1983, Dr. V. V. Shanbhag retired as Head of the Department and Dr. V.,R. Joshi has taken over from him. Dr. A. L. D.Sourza Hon. Physician retired on 31st December 1983. Dr. D. V. Deshpande and Dr. S. D. Mehtalia have taken the two units.

2. DEPARTMENT OF SURGERY :—

The department of General Surgery is now being developed by acquiring sophisticated instruments such as working elements for cutting urethral stricture and prostatic surgery. G. E. endoscopes plus Photographs attachment, Lecturescope and Teaching accessories for endoscope is ordered. Meetings of the General Units were held quite frequently to discuss and solve the problems in the proper manner. Under-graduate and post-graduate teaching programme as well as clinical meetings were conducted as per schedule. Clinicals as well as lecture programme of the dental students was also conducted properly.

ENDOSCOPIC PROCEDURES :

Diagnostic	: Weekly twice oesophago, gastro, duodenoscopies.
E. R. C. P.	
Therapeutic	: 1. Oesophageal variceal injections. 2. Endoscopic sphincterotomies. 3. Endoscopic basketing for extraction of Round worm which obstructed the CBD.
Ultra sonography	: Routine diagnostic for all liver, kidney, pancreatic and any other swellings. Ultrasonically controlled antigrade pyelography.
Therapeutic	: Ultrasonically controlled percutaneous nephrostomy in hydronephrosis.

3. DEPARTMENT OF GYNAEC AND OBSTETRIC :—

Department of Gynaec and Obstetric consists of 3 units, one full-time and two units under Hon. Professor and Asstt. Professor. Each unit functions twice a week.

4. DEPARTMENT OF PEDIATRICS :—

The Department of Pediatrics continued to work with one full-time unit and one part-time unit.

I.—INDOOR SERVICES :—

A	Pediatrics Ward : Bed strength	...	51
	Total admission	...	3148
	Total deaths	...	293
B	Intensive pediatric care unit : Bed strength		6
	Total admission	...	365
	Total deaths	...	154
C	Neonatal Ward : Bed strength	...	55
	Total deliveries	...	2951
	Total Deaths	...	46
E	Premature Nursery : Bed strength	...	6
	Total admission	...	160
	Total deaths	...	61

Sick Neonates transferred from peripheral maternity homes—63. Out of these 20 babies

OUT PATIENT DEPARTMENT SERVICES :

Paediatric O. P. D. : is conducted on all working days of the week.

Total new cases. .. 18,969

Special Care O. P. D. : is conducted thrice a week for the patients needing long term follow up.

Total patients visits .. 283

Neonatal O. P. D. and Premature follow up O. P. D. : twice a week.

No. of babies followed up .. 768

Old babies visits. .. 1469

Recreation Therapy Centre : All the ambulatory patients from the Paediatric ward are sent to recreation therapy centre where they are given play materials and books appropriate for their age.

Total No. attended .. 2043

School Clinic : Works for 5 days in a week.

	New cases	Old cases	Total
Primary	.. 2,617	16,612	19,229
Secondary	.. 473	1,317	1,790

Child Guidance Clinic : conducted on all the days of the week.

New cases	.. 391
Old cases	.. 575
Total	.. 966

Peripheral maternity Homes :

Clinic Attendance.	1549
Immunization : Triple & Polio	2715
Milk distribution 50 to 55 daily.	
Home visit —1st 1111 2nd — 1749	

(2) Victoria Paediatric Centre :

Clinic attendance	391
Home visits.	196
Immunisation : Triple	2460
polio	2647
Milk distribution—38-40 babies daily.	

(3) Kamathipura Maternity Home :

Total babies checked up	1204
Immunization . Triple	1748
Polio	1851

(4) Immamwada Maternity Home :

Total attendance	14314
Immunization— Triple	1716
Polio	1716
B. C. G.	743
Measles	72

Homes visits. 396

(5) Mahim Maternity Home :

Total No of patients (Deliveries)	2041
Total No. of children attending under 6 clinics.	64
Immunisation Triple	2409
Polio	3184

Kasturba Hospital :

Dr. (Mrs.) P. M. Pai, Professor and Head, Department of Paediatrics continues to visit Kasturba Hospital twice a week.

Diagnostic Centre :

Diagnostic Centre at Soutter Street has been closed down and the grant will be utilised for Nair Hospital.

TEACHING ACTIVITIES :**Undergraduate Students :**

Lecture series and clinical posting in the ward. Intergrated teaching of maternal and child health has been regularly conducted as a block teaching of one week.

Postgraduate Teaching :

Clinics, weekly death conference, monthly seminar, Intercollegiate meeting.

Nursing Students : Series of 30 lectures twice a year.

B. Sc. (A. S. T.) Students : Series of 40 lectures per year.

Student Social Workers, M. A. (applied Psychology) students have attended training sessions at Child Guidance Clinic.

5. DEPARTMENT OF ANAESTHESIOLOGY :—

The department is running the anaesthesia, resuscitation and Pain Services at the B. Y. L. Nair Ch. Hospital, Nair Dental College, E. N. T. Hospital (Fort), Bhajekar Hospital, Bhabha Hospital (Kurla), Bhabha Hospital (Bandra), Santacruz General Hospital Rajawadi Hospital, and Kasturba Hospital.

The number of Anaesthesia this year at the B.Y.L. Nair Ch. Hospital are as follows :—

Cardiac Surgery	.. 183	Neuro Surgery	.. 276
General Surgery	.. 2387	E.N.T.	.. 1320
Gynaec.	.. 2400	Orthopaedic	.. 1767
Ophthalmic	.. 125	Radiology	.. 145
Cardiac Cath	.. 281	E.C.T.	.. 7115
Recovery Ward	.. 4855	Anaesthesia Assesment Clinic	.. 438
		Total	.. 21292

The department is also running a blood gas analysis (650 estimations) and Pulmonary Function tests. The post operative, MACU and ICU ventilator services are also rendered.

6. DEPARTMENT OF NEUROLOGY :—

The O. P. D. functions twice a week on Tuesday and Thursday.

(1) Total O. P. D. patients : (Male—697, Female—298)	.. ..	995
(2) Total Indoor patients : (Male—267, Female—91)	.. ..	358
(3) Referred cases (Male—191, Female—67)	.. ..	258
(4) Carotid Angiograms.	.. ..	71
(5) Myelograms.	.. ..	24
(6) Electro encephalograms.	.. ..	14
(7) C. T. Scans	.. ..	86
(8) Arch aortograms.	.. ..	1
(9) Jugular venograms.	.. ..	1
(10) Orbital venograms.	.. ..	2
(11) Epilepsy Clinic	.. ..	76
		New cases in 1983
		Total cases till the end of 1983
(12) Transfer Cases.	.. ..	14
		Transfer in
		Transfer out
(13) Total deaths.	.. ..	9

Visitors : Nil.

C. T. Scan as a paid facility was inaugurated on 9-5-1983 by Chief Minister of Maharashtra Shri Vasantdada Patil. So many C. T.—Scans have been done during 1983-84. Indoor patients are charged Rs. 400 while outdoor patients are charged Rs. 750 for standard tests and Rs. 750 for special test. Patients referred from B. M. C. Hospitals are given the preference; however non B. M. C. patients are accommodated whenever possible. By date 24-2-1984 revenue of Rs. 7,56,840.00 is collected by way of CT-Scan charges. Except for B. P. T. Hospital patients as well as B. M. C. employees in service, all patients are charged as per corporation resolution No. 27.

7. DEPARTMENT OF NEUROSURGERY :—

The O.P.D. functions twice a week Tuesday and Thursday.

O. P. D. Attendance :—

New	..	..	..	..	..	..	536
Follow up	..	..	..	..	..	..	1573

Indoor admission : 515.

Operation work :

(a) Craniotomy	(I) Supratentorial.	..	..	..	..	83
	(II) Infratentorial.	..	..	..	..	14
(b) Spine	(I) Cervical.	..	..	..	..	26
	(II) Dorsal.	..	..	..	..	9
	(III) Meningocele.	..	..	..	..	9
	(IV) Lumbar.	..	..	..	..	20
(d) Depressed fractures.	..	..	..	..	..	20
(c) Shunts.	..	..	..	..	..	60
(e) Burr-hole.	..	..	..	..	..	93
(f) Transthoracic.	..	..	..	..	..	4
(g) Stereotactic surgery.	..	..	..	..	..	3
(h) Craniovertebral anomalies—	..	..	..	..	..	3
(i) Trigeminal Rhizotomy—	..	..	..	..	..	10
(j) Miscellaneous.	..	..	..	..	..	26

E. E. G. Test : 986

Echoencephalography : 50

R. F. Thermocoagulation : 100.

8. DEPARTMENT OF GASTROENTEROLOGY (Medical) :—

The O.P.D. functions twice a week. During the year 655 out-patients and 670 Indoor patients have attended. 2120 patients were asked to attend for regular followup.

Routine Investigations :—

C.B.C.	..	815	E.S.R.	..	825
Urine	..	807	Stool	..	1106

Biochemical Investigations :—

Liver Function Test	521	Serum Bilirubin	..	521
S.G.O.T./S.G.P.T.	.. 531	Serum Protein	..	641
Serum Electrolyte	275	Serum Amylase + Ascitic Fluid	..	65
Serum Uric Acid	.. 4	Serum Cholesterol	..	65
Serum Calcium/Phosphorus	15	Serum Creatinine	..	352
B.S.P.	.. 158	C.S.F.	..	4
Acid Phosphatase	.. 2	Fibrinogen	..	2
P.T./P.T.	.. 250	Blood Sugar	..	400
B.U.N.	.. 404	G.T.C.	..	7
Alkaline Phosphatase	362			

Special Investigations :—

Schilling Test	..	31	Faecal Fat	..	45
D-xylose Absorption	..	37	Hepatitis-B Antigen	..	110
Protein Electrophoresis	..	30	Augmented Histamine Test	..	127
Serum Gastin Collection		60			

Endoscopies:—

Sigmoidoscopy	470	Oesophago-Gastro-Dudoensoscopy	633
Peritoneoscopy	148	Colonoscopy	54
E.R.C.P. (Scope was under repair.	18		
Returned after repair on			
31-10-1983).			

Biopsies :—

Oesophagus	..	70	Gastric	..	130
Duodenum	..	10	Jejunum	..	20
Colon & Rectum	..	50	Peritoneum	..	55
Liver	..	160			

9. CARDIOVASCULAR AND THORACIC SURGERY :—**O. P. D. Attendance :—**

The Department of Cardio-vascular & Thoracic Surgery is running three out-door clinics every week i.e. on every Monday, Thursday and Friday. On an average in outdoor clinics about 4 to 5 new patients and about 30 to 40 old patients are seen; as many indoor and out-door patients are referred from other departments of this hospital as well as from other peripheral hospitals including Kasturba Hospital, Rajawadi, Bandra Bhabha and Jagjivanram Hospital. The referrals are for various Cardiac, Thoracic & Vascular problems. The total Number of Patients attending O. P. D. during the year 1983. was approximately 2000. The Department of Cardiovascular & Thoracic Surgery have four Operation days every week for cardiac cases.

In 1983, following operative work was done in the department of Cardio-vascular and Thoracic Surgery. Total 471 operations were carried out with breakdown as follows :—

I. TOTAL NO. OF HEART OPERATIONS	..	..	148
A. Open Heart	..	..	76
1. Congenital	..	..	32
(a) Cyanotic	..	..	5
(b) Acyanotic	..	..	27
2. Acquired	..	..	44
(a) Single Valve replacement	..	..	34
(b) Double Valve replacement	..	..	9
(c) C.A.B.G.	..	..	1
B. Closed Heart	..	..	72
1. Mitral Commissurotomy	..	..	49
2. Shunt Procedures	..	..	3
3. P. D. A. & Coarctation of Aorta	..	..	5
4. Pericardiectomy	..	..	12
5. Implantation of pacemaker	..	..	3
II. Thoracic Operations.	..	..	211
A. Lung Surgery	..	..	15
1. Pneumonectomy	..	1	
3. Lobectomy	..	5	
2. Decortication	..	3	
4. Rib Resection	..	2	
5. Thoracoplasty	..	1	
6. Chest Injuries	..	2	
7. Open lung biopsy.	..	1	
B. Oesophageal Surgery	..	..	2
C. Intercostal Drainage.	..	..	90
D. Bronchoscopy.	..	..	104
III. Vascular Operations.	..	..	31
A. Grafting and Anastomosis	..	..	15
B. Embolectomy	..	..	16
IV. Miscellaneous Operations	..	..	81
A. Scalene Node Biopsy,	..	..
B. Re-exploration,	..	..
C. Sec. Suturing,	..	..
D. Oesophagoscopy.	..	..
E. Lumbar Sympathectomy.	..	..
Heart operations.	..	..	148
Thoracic Operations.	..	..	211
Vascular Operations.	..	..	31
Miscellaneous.	..	..	81
Total :	..	..	471

A prototype of new prosthetic valve is being made. The experimental work on the same will start soon. A New bubble oxygenator has also been designed in the department and Shri Gurjar is actively working on it.

10. DEPARTMENT OF CARDIOLOGY :—

Statement showing the number of Electrocardiograms taken during the year 1983 according to disease-wise.

Diseases	Total	Diseases	Total
Coronary Thrombosis	1356	Hypertension	1096
Mitral Diseases	492	Auricular Fibrillation	84
C. C. F.	120	Cor Pulmonale	400
Angina Pectoris	52	Aortic Stenosis	88
Rheumatic Disease	230	Anaemia	64
Myocarditis	56	Pericarditis	80
A. S. D.	92	V. S. D.	76
P. D. A.	8	Fallot's Tetralogy	24
Heart Block	346	Diabetes	220
Pulmonary Stenosis	32	I. H. D.	1240
Normal	4556	Pain in chest	246
Miscellaneous	3494	Dextrocardia	..
		Total	14452

Other investigations are done in year 1983 :

	No. of patients.
(1) M. mode and 2D	435
(2) Cardiac Cathererisations including Coronary Angiogram. ..	675
(3) Treadmill Excercise Test.	45
Master test.	50
(4) Vector Cardiogram.	25
(5) Phenocardiogram. .. .. .	..
(6) Oximate blood test.	675
	(around 7-8 samples per patient).

11. RENAL MEDICAL UNIT :

The department of Nephrology looks after a vast variety of clinical problems including acute and chronic renal failure and their complications, hypertension, nephrotics, a variety of nephritides, calculus diseases, kidney tumors, obstructive uropathies, acute drug toxicities and fluid electrolyte disturbances.

It has capacity to admit upto 26 patients directly under its care—which includes beds for peritoneal dialysis in M. A. C. U., beds for He modialysis in A. K. D., a bed for transplanted patient which can when unoccupied be used to monitor critically ill patient and beds in the gd general wards 16, 18 and 23. It runs its O. P. Ds. on Saturdays and Wednesdays and a hypertension clinic in association with Department of Cardiology on Tuesday. Besides these regular clinics from time to time it has conducted drug trials on antihypertensive drugs and diuretics.

In synopsis number of patients attended to and procedures carried out are listed below:

Total No. of patients attended to	313
No of Hemodialysis.	922
	(on 64 patients).
No. of Peritoneal dialysis. .. .. .	..95
No. of renal biopsies .. .. .	..48
No. of transplant.	4

Inspite of large number of patients requiring Endstage renal management (evident from the number of Peritoneal and hemodialysis carried out) due to lack of suitable donors transplant pogramme has been held in abeyance.

12. ASTHMA AND OBSTRUCTIVE AIRWAY DISEASES CLINIC :

Asthma and Obstructive Airway Diseases Clinic is conducted on every Monday. In this O. P. D. 3-4 new cases and 40-50 old cases of asthmatic patients are seen per week. Special investigations are carried out for these patients. These include Pulmonary function tests using Bronchodilator Excercise tests Allergy testing and Blood gas analysis.

13. DIABETIC CLINIC :

Diabetic Clinic was started in the year 1971. Since then 3,500 patients have been registered. There are three O. P. D. days as follows :—

	Regular	Follow Up.
Monday ..	8.00 a.m. onwards	1.30 p.m. onwards.
Wednesday ..	9.30 a.m. onwards.	
Thursday ..	8.30 a.m. onwards.	1.30 p.m. onwards.

During regular O. P. Ds. 8-10 fresh cases are registered. About 150-200 patients per week come for follow up. Regular rounds for the Diabetic patients all over the hospital are taken every Tuesday and Friday. The number of referred patients from other specialities are 20-25 per week. Apart from this, we have 8-10 problem cases of Diabetes admitted in ward for management every week.

Special attention is paid to patients of Tuberculosis with Diabetes and juvenile Diabetes. Patients under going surgery are managed before, during and after operation. Diet advise is given individually to each patient.

When the new patient is registered he is given individual advice regarding diet and also educated on the subject of Diabetes. Every 6 months the registered patients are reviewed for the course of D. M. and development of complications. Those who do not come for follow up by themselves are send cards.

14. 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 along with blood counts. In addition, electrophoresis of protein, lipidogram and estimation of barbiturates, ammonia, VMA etc., are carried out for the whole hospital. Since this year few immunological investigations are carried out for patients attending Rheumatology and Immunology clinic which include immunoglobuline C R P, Complements R. A. test ANA, Multiple Myeloma detection (both blood and urine), Cryoglobulin detection etc. In all 47, 293 tests were carried out in the Laboratory in 1983.

Post-graduate students for M. Sc. degree of Bombay University also carry out their work in different specialities. Specialised tests being carried out are glycosylated haemoglobin in diabetic patients, HDL, LDL and VLDL fractions of cholesterol and triglycerides in diabetes, immuno, chemical studies in blood and synovial fluid in Rheumatoid Arthritis and Collagen Vascular Diseases and studies on blood gases and pulmonary function tests in cases of allergic asthma. One student appearing for M. D. had completed dissertation on levels of IgM in mother's and cord blood. Another student of M.D.S. carried out immunoglobulins in serum and saliva in cases of sub mucus fibrosis.

15. PLASTIC SURGERY :

Plastic Surgery O.P.D. was conducted every Wednesday and Friday and a total of 635 new cases were seen. In addition, about 100 patients were seen every week for followup treatment. Full documentation and records were maintained in all cases.

During the year about 550 cases were admitted for surgery and 415 operations were performed as also 150 emergency plastic particularly involving the face and hands.

Clinical meetings of the Bombay Plastic Surgeons' Group were held under the auspices of the Department of Plastic Surgery and Clinical Seminars were conducted on the occasion of visits of foreign dignitaries.

An Intensive audio-visual and clinical instructional course on Plastic Surgery of interest to all post-graduate Surgical Students was conducted by Dr. S. M. Mahalaxmivala which was attended by post-graduates from all hospitals and teaching colleges in the city.

15. ENDOCRINOLOGY DEPARTMENT :

O. P. D. Days :-

Mondays and Fridays mornings 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 a. m. to 12-00 noon every day.

Total No. of patients seen	...	2315
New: 636 (Male—269 & Female—367).	Old	...
		1679

Total No. of patients sample collected :-			
Urine—252.	Blood—1036.	Semen	...
			317

Total No. of Laboratory tests during the year :-

Creatinine	...	296	Urinary 17 Ketogenicsteroids	...	38
Urinary 17 Ketosteroids	...	38	Urinary Pregnanediol	...	28
Urinary Estroene	...	152	Pregnanetriol	...	40
Urinary Pregnancy tests	...	90			

Blood :

1. Radioimmunoassay for F. S. H.	...	1388
2. Radioimmunoassay for L H	...	1588
3. Radioimmunoassay for Prolactin.	...	1866
4. Radioimmunoassay for testosterone	...	330
5. Radioimmunoassay for G H	...	376
6. Radioimmunoassay for T. S. H.	...	252
7. Radioimmunoassay for T3	.. ..	400
8. Radioimmunoassay for T4	.. ..	400
9. Radioimmunoassay for Blood Lipid Cholesterol	.. ..	60

Triglycerides

Blood sugar

10. Plasma Cortisol

11. Sex Chromatin

Blood

Semen Analysis	317	Glycero Phosphorylcholine (gpc)	27
Fructose	15	Histopathology	62
Endometrium ovaries.	29	Tests.	28
Epididymal Biopsies.	5		

Animal House performance :-

1. Maintenance and Breeding of Rodent Colony.			
2. Use of rats and mice for Bioassays:	Rats	...	250
3. Animals supplied to other departments :	Rats	..	205

17. AUDIOLOGY AND SPEECH THERAPY SCHOOL

Academic :

7 students were admitted in F. Y. B. Sc. (A. S. T.) class.

Result of B. Sc. (A. S. T.) students is as follows :

Class	No. appeared for Exam.	No. declared Pass	% Result
F. Y. B. Sc.	10	7	10
S. Y. B. Sc.	10	9	100
T. Y. B. Sc.	9	8	80

Dr. J. Boyes, Ph. D. Dept. of Neurology—Neurologinguistics Kilinic gave a lecture on Aphasia Evaluation on 3-3-1983.

Clinical :

3126 number of cases were seen.

During the year 1983 hearing aids were issued free of cost to needy patients under Indo-Danish Project.

270 number of ear moulds were issued to the patients.

The poor patients are also being supplied with cords and cells free of cost so that they can use hearing aids to the maximum extent.

Report of Classes of Deaf :

Classes for Deaf are working at Nana Chowk, (three classes) two at Agripada and one at Matunga. This year two more classes were started one at Vile-parle (October) and the other one is at Mahalaxmi.

This year 19 students were integrated in the Normal School. 13 students are studying in Std. II and 8 students are in the I std. Larson D'Silva stood second in the annual exam. 1983 in the normal school. 26 new students were admitted. At present the total No. of students are 70.

Our students took part in various games and competitions organized by Lions Club of Juhu and Wadala School for Deaf and other institution for Deaf. Some of our students won the prizes including first prizes.

Our school celebrated various functions and also annual social gathering—sports competitions and educational trip at Goregaon to see the Milk Dairy.

Medical check up of all the students was done at Nair Hospital.

Teachers attended various workshops and Seminars on Educational of Deaf organised by All India Association of Teachers of the Deaf and the National Institute for Hearing Handicapped etc., in Bombay.

17. PREVENTIVE AND SOCIAL MEDICINE :—

Services :—

In the Community : Comprehensive health Care to Slum Communities.

In the department Comprehensive health care was given to the Municipal Sweeper Community of Arthur Road.

The Schedule of services rendered was 2 times a week.

The record of clinic attendance for the period from January 1983 to December 1983 was as follows :—

Community	No. of clinic Session held.	No. of first visit.	No. of revisits.	Total.
Arthur Road	61	13	976	989

In addition to follow up care at the clinic a proportion of patients were referred to hospitals outpatients departments for consultations and investigations.

(b) B. C. G. Vaccination

B. C. G. Vaccination was carried out. 1450 neonates and 1889 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 1983.

	Shivaji Nagar	Shahaji Nagar
1. Total No. of patients treated	71,613	22,156
2. Total No. of children treated at underfive clinics.	2084	1,243
3. No. of T. B. patients detected and treated.	302	107
4. Antenatal mothers registered.	238	32
5. Dental check up:	864	435
6. Immunizations :		
Polio	4,738	1,081
Triple	3,452	1,306
D. T.	105	13
B. C. G.	833	392
Measles.	5	2
T. Toxoid.	3,178	628

II. SCHOOL HEALTH SERVICES :

Medical inspection of school children belonging to standard 1st to VIIIth at Cheetah Camp School was continued. 2036 children were examined. 1158 students were immunised with Polio and D. T. Vaccine.

III. NUTRITION PROGRAMME FOR MUNICIPAL SCHOOL CHILDREN :

Supplementary nutrition programme for primary children at Baiganwadi Municipal School was continued during the year 1983. On average 1582 children per day were given nutrition supplements under this programme.

IV. BALKALYAN KENDRA :

2226 patients were examined and treated in the year 1983. 124 children were given polio vaccine, 105 were given D. T. vaccine, 126 children were given tetanus toxoid and 3 were given D. P. T. Vaccine.

V. HOME PROGRAMME :

Under this programme comprehensive health care services were given to 2 communities.

2531 patients were examined and treated. 303 children were given polio vaccine, 231 triple vaccine, 13 were given D. T. and 132 patients were given tetanus toxoid.

VI. Under Five Clinics :—

Community	Groups	No. under observation	Total No. of visits	Average visits Infant or child.
Cheetah Camp.	Infants	540	2600	4.07
	Children	208	425	2.08
Deonar.	Infants	308	1332	4.3
	Children	243	990	3.7
Arthur Road.	Infants	25	130	5.2
	Children	112	210	2.4

VII. Social Services :**Community Visits :**

Cheetah Camp	..	..	..	..	..	..	1678
Deonar	..	..	..	..	..	..	2335
Arthur Road	..	..	..	..	..	..	250

Collateral contact

Communities :-	..	..	..	..	..	..	470
Health talks	..	..	..	..	..	..	321

Deonar :

1) Nutritional aid to children.	..	..	..	..	..	..	150
2) Economic aid in terms of cash, and kind.	..	..	..	..	..	..	90
3) Clothes.	..	..	..	..	..	..	200
4) Referral and follow up in hospitals.	..	..	..	..	..	..	998
5) Case work.	..	..	..	..	..	..	88
6) Groups of women are being organised for group activities and health talk sessions.	..	..	..	..	..	..	20
7. Balwadis are being run by the community under our guidance.	..	..	..	..	..	..	2
8. A Balwadi is being conducted with the help of Methodist Church.	..	..	..	..	..	..	40 children.
9. Sewing classes for adolescent girls.	..	..	..	..	..	..	15
10. Income generating scheme were implemented.	..	..	..	..	..	..	..

Arthur Road Community :

1. Nutritional aid to patients.	..	..	..	..	..	..	430
2. Case work.	..	..	..	..	..	..	35
3. School fees.	..	..	..	..	..	..	25
4. Health Education meeting.	..	..	..	..	..	..	10
5. Employment given.	..	..	..	..	..	..	29
6. Rehabilitation for physically handicapped as deaf, blind, polio and marital discord and family disputes etc.	..	..	..	..	..	..	30
7. Economic aid in cash and kind.	..	..	..	..	..	..	105
8. Material aid as ration, cloth appliances etc.	..	..	..	..	..	..	278

Cheetah Camp :

1. Nutrition aid to adult and their families.	..	..	..	..	..	..	220
2. Economic aid in terms of cash ratio.	..	..	..	..	..	..	370
3. Clothes, school fees, books etc.	..	..	..	..	..	..	180
4. Referrals and follow up in hospital,	..	..	..	..	..	..	95
5. Case work.	..	..	..	..	..	..	78
6. Health education task given to mothers.	..	..	..	..	..	..	31
7. Sewing classes for adolescent girls.	..	..	..	..	..	..	20 girls.
8. Health education film shows are organised in the community.	..	..	..	..	..	..	..
9. Sponsorship programme for needy school going children.	..	..	..	..	..	..	..
10. Vignyan Yatra programmes arranged in the community to remove the superstitions.	..	..	..	..	..	..	..

Group activities for adolescent girls and boys started in the centre.

Nutrition programmes under MCH category has been started with the help of Catholic Relief Society in two communities at Deonar and Cheetah Camp for 200 beneficiaries. Cooking demonstration for community women has been adopted as a regular feature.

Special Activities :

1. A slide show on "Nahanachi Kahani" prepared by St. Xavier's Institute of communications was screened at the interdepartmental meeting held on 22nd February 1983.

- (2) A street play on Tuberculosis was of organised on 22nd February 1983 in the [campus of Nair Hospital.
- (3) W. H. O. Day celebrations.
 (a) A health exhibition on maternal and child health was organised at Shivajinagar urban health centre.
 (b) A seminar on 'Health for all the count down has begun' was organised Interns participated in the seminar.
 (c) M. M. R. of all the T. B. contacts was organised at the centre.
- (4) A well baby show was organised on 15th September 1983 at Deonar urban health centre.
- (5) A guest lecture by the member from Alcoholic Anonymous group was organised on 27th September 1983.
- (6) A guest lecture by Dr. R.K. Anand was organised on "Prevention of Childhood diarrhoea.

19. THYROID CLINIC :

Thyroid Clinic is conducted on Monday and follow up on Thursday. The attendance in Thyroid Clinic is as under :—

New patients.	..	..	..	..	514
Follow up and reports.	..	..	..	..	1100
Semen Examination :					
Total No. of patients.	..	..	..	..	500

20. SCHOOL CLINIC :

The Clinic worked in three services viz. Pediatric, Ophthalmic and Aural from Monday to Friday. Attendance of school children was as follows :—

Services	New	Old	Refer	Total
Pediatric	2,080	10,665	...	12,745
Ophthalmic	358	2006	124	2,364
Aural	255	1940	152	2,195
Total	2,693	14611	276	17,304

21] DEPARTMENT OF OPHTHALMOLOGY (EYE BANK) :

Eye Bank : 15 Keratoplasty operations were performed during year 1983.

	Male	Female	M/ch.	F/ch.	Total
New cases.	15	8	2	..	25
Admissions.	11	4	..	..	15
Operations.	11	4	..	..	15

Special Clinics :

(1) Squint Clinic—Tuesday, at 2.00 p.m. to 5.00 p.m.

(2) Glaucoma Clinic — Thursday, at 2.00 p.m. to 5.00 p.m.

Glaucoma Clinic :

During the year 1983, 205 patients attended the Glaucoma Clinic. 51 cases were operated out of 91 new cases. 114 were old cases for follow-up.

Squint Clinic :

During the year 1983, 160 patients attended the Squint Clinic. 23 cases were operated out of 123 new cases. 37 were old cases for follow-up.

22. GENITO URINARY SURGERY DEPARTMENT :—

The following operations were performed in the department of Genito Urinary Surgery during the year 1983 :—

(1)	Cystoscopy	..	..	..	..	..	50
(2)	Cystoscopy with TUR for prostate enlargement	..	..	..	..	..	29
(3)	Nephrolithotomy	..	..	..	..	..	1
(4)	Pyelolithotomy	..	..	..	..	..	9
(5)	Ureterolithotomy	..	..	..	..	..	3
(6)	Nephrectomy	..	..	..	..	..	2
(7)	V. V. A.	..	..	..	..	..	4
(8)	V E A	..	..	..	..	..	2
(9)	High ligation of Varicocele	..	..	..	..	..	10
(10)	Orchidectomy	..	..	..	..	..	12
(11)	Frayer's Prostatectomy	..	..	..	..	..	0
(12)	Urethroplasty	..	..	..	..	..	3
(13)	Millin's Prostatectomy	..	..	..	..	..	4
(14)	Meatoplasty	..	..	..	..	..	2
(15)	Cystoscopy with Internal Urethrotomy	..	..	..	..	..	9
(16)	Cystoscopy with ascending pyelography	..	..	..	..	..	11
(17)	Circumcision	..	..	..	..	..	90
(18)	Cystoscopy with fulguration of papilloma	..	..	..	..	..	3
(19)	Vasectomy	..	..	..	..	..	2
(20)	Testicular biopsy	..	..	..	..	..	8
(21)	Cystoscopy with Cystolithotomy	..	..	..	..	..	6
(22)	Urethral dilatation	..	..	..	..	..	12
(23)	Suprapubic Cystolithotomy	..	..	..	..	..	4
(24)	Cystoscopy with Dormia Basketing.	..	..	..	..	..	2
(25)	Hypospadias correction.	..	..	..	..	..	2
(26)	Pyeloplasty.	..	..	..	..	..	1
(27)	Suprapubic Cystostomy.	..	..	..	..	..	3
(28)	Exploration of Scrotum.	..	..	..	..	..	2
(29)	Total Cystoprostatectomy with ileal loop.	..	..	..	..	..	1
(30)	Other Major and Minor operations.	..	..	..	..	..	125

2 . DERMATOLOGY AND VENEREOLOGY :—

The department functions all the days except Sundays from 8.00 a. m. onwards.

O. P. D. Attendance—**A.—Infection—**

	New	Old
(a) Skin infections	36,587	29,385
(b) V. D. Cases	19,952	10,432
(c) Total Infections	56,539	39,817
(d) Non-Infections	20,975	16,742
(e) Ratio of Infection—Non Infection.		2 : 1
(f) Maximum Attendance of one day		549
(g) Total Attendance.	77,514	56,559
(h) Grand total of the year 1983	1,34,073	

Inpatients—**B.—Investigations—**

	Total	Abnormal
(a) Biopsies	1,285	All
(b) V. D. R. L.	7,986	5,062
(c) Dark ground Illumination	3,761	1,341
(d) Smear for Gonococci	5,703	4,986
(e) Smear for Donovanosis	592	197
(f) Smear for Chancroid	205	..
(g) Smear for Leprosy	835	362
(h) Scales for Fungus	10,739	9,383
(i) Urine	1,802	875
(j) Stool	631	186
(k) Blood Count	752	390
(l) E. S. R.	893	259

Photographs— 9,402

C.—Therapy—

(a) Superficial—X-Ray	2
(b) Electro Dessication	2,075
(c) Chemical Cautery	1,763
(d) Phodopylline	1,931
(e) Intrale sional Steroid... ..	1,461

D.—Medical Education :

Lectures and Clinics.

Lectures Delivered by Guest Speakers :

- (1) Dr. E. Wyatt—Skin and Eye.
- (2) Prof. Vickers—Systemic disorders and skin.

24. DEPARTMENT OF PAEDIATRIC SURGERY :

The Pediatric Surgical Unit presently consists of Dr. A. B. Mathure, Dr. D. J. Mohla, Paediatric Surgical Registrar, General Surgery Tutor, General Surgery Registrar and two house surgeons.

The unit is not yet separated, and the daily Paediatric Surgical emergencies [are carried out by all the above. We have had a good success rate in treating various conditions.

Total No. of operation.	196
Emergency operations.	35
Emergency Major operations.	18
Major Surgery Routine.	50
Bronchoscopies.	20
Emergency Bronchoscopies	4
Colotomies.	7
Operation for Hirschsprung's disease.	4
Anderson-hyne's operation.	3
Hepatectomy for Hepatoma.	1
Mesentric Cyst.	1
Intussusception.	2
Diaphragmatics hernia.	2
Repair of T. O. Fistula.	1
V. A. Shunt.	2
Meningocele.	2
Pyloromyotomy.	2
Operation of Hypospadias.	4
Surgery for P. U. Valve.	4
Sacral Pull Through	3
Pyelolithotomy.	2
Cholecystectomy	

and other Major surgeries.

25. GASTROENTEROLOGY SURGICAL SERVICE :

The Gastro-enterology Surgical Service is conducted on Mondays from 9.00 a. m. on wards.

26. DEPARTMENT OF PSYCHIATRY.

There are two units in the Department of Psychiatric. A part-time unit headed by Dr. A. P. Patkar. A full-time unit headed by Dr. (Mrs.) H S. Dhavale.

The staff members are participating actively in the extracurricular activities related to the work of the department. The undergradauates and postgraduate teaching programmes for medical students as well as the teaching programmes for the nurses, speech therapy students are conducted on regular basis.

The School Mental Health Clinic continues to get good response from teachers of Municipal as well as private Schools. Lectures organized and conducted for parents and teachers and regular School visits are held.

Out patient attendance :

Total No. of old cases attending for follow up : 4,800 per month.

Total No. of old cases seen in 1983 :— 57,600.

New patients seen in the year 1983 :— 5,039.

Indoor patients :

	Male	Female	Total.
Total admissions. ..	971	562	1533
Total E. C. T.	6938
Total C. S.	30
Alcoholism.	105
Deaths.	3

Smt. Pernima A. Bhinde :

Clinical Psychologist's Annual Report for the year 1983 :—

Total No. of cases seen—736.

- (1) Guidance and supervision of S. N. D. T. Psychology (Part-II) students from January 1983 to the month of May 1983.
- (2) Demonstration of Testing Material to M. B. B. S. students and P. G. students.
- (3) Visited Bharat Bijlee Co. for I. Q. evaluation of their employees' children.
- (4) Visited Govandi Municipal School for I. Q. evaluation of the School children.
- (5) Worked in the Research Project (Psychosomatic disorders in Gynaec.) and did personality evaluation of cases referred from skin and V. D. O. P. D.
- (6) Counselling and Psychotherapy to the patients.

Miss Meera Bhuta :

(1) No. of cases referred in the O. P. D. ..	..	..	440
(2) No. of follow-up cases. ..	..	..	750
(3) No. of discharge patients for instructions. ..	..	..	500
(4) Medicines given. ..	..	..	25
(5) Donation. ..	..	..	Rs. 500
(6) Material aid Uniforms and rations. ..	..	..	20
(7) Home visits. ..	..	..	8
(8) Employment. ..	..	..	5

Rehabilitation of ward patients. Research project on patients who are alleged to attempt suicide. Arranged an Entertainment programme for Psychiatry patients.

27 MEDICAL SOCIAL WORKER :

Old cases carried over. .. ..	..	..	..	2315
New cases referred in 1983. .. ..	..	..	..	4122
Referral from other Institutions. .. ..	..	..	..	90
Total No. of cases handled in 1982. .. ..	..	..	..	7338
1. No. of home visits, Institutional visits and collateral contacts made. ..	..	..	..	2170
2. No. of follow-up letters and letters sent to donors, charitable and welfare organizations. .. ..	..	..	..	2112
3. Case work services given. .. ..	..	..	..	2344
4. Material aid given. .. ..	..	..	..	6895
(a) Appliances as belts, callipers, cruches etc. .. ..	..	..	..	1202
(i) Wheel Chairs. .. ..	..	..	..	16
(ii) Triwheelers. .. ..	..	..	..	18
(iii) Glasses. .. ..	..	..	..	772
(b) Costly and nonscheduled drugs. .. ..	..	..	..	4522
(c) (i) Food. .. ..	..	..	..	721
(ii) Ration. .. ..	..	..	..	552
(iii) Supplimentary nutritional aid. .. ..	..	..	..	561

(d) Clothes.	2107
(e) Library books given to patients for indoor and outdoor.	455
(f) School fees, uniforms, text books for patients children and young school going patients.	585
(g) Travelling expenses.	516
(h) Employment for	
(i) Patients.	125
(ii) Patients family members.	132
(i) Accommodations.	112
(j) Institutionalization.	137

During this year approximately following donations arranged in cash and kind :—

Rs. 1,55,000 in the form of drugs.

Rs. 75,000 for the appliances.

Rs. 1,28,000 for the patients undergoing cardiac surgeries.

Rs. 1,20,500 for the cancer patients in cash and kind.

All these work looked after by four full time and one part-time Medical Social Worker.

Report of the Workshop for the Rehabilitation of Handicapped.

This Project started in 1981. It was the year of Handicapped. It was inaugurated by Honorable Municipal Commissioner Shri D. M. Sukthankar. The benefit is given to the disables who are taking treatment from B. Y. L. Nair Charitable Hospital. The main objective is rehabilitation of these disables with the collaboration from various charitable organisations and private industries. Job training facilities are given in Tailoring, assembling, packing, and numbering on hospital registers etc. The remuneration is paid for the same by industries and hospitals. This year two disables are completely rehabilitated and they are their own. During this year 15 disables have taken advantage of this project.

Free lunch facility is arranged through donation.

Two Punching machines and one Sewing Machine with beading attachment bought through donation which are very helpful for disables to earn their bread. Rixin material brought through donation which was helpful to make purses. It was useful for disables to earn separate money on the same. All the expenses are managed from the donations required for welfare project.

The 2nd Anniversary of the Workshop was celebrated this year on 15th December 1983 under the kind blessings of Honourable Shri Pravin P. Kamdar, D. M. C. (I). About 50 disables participated in the function. Tokens were given to all disables personally by Deputy Municipal Commissioner(I). Lunch and tokens were arranged by donors. All the donors who are kind enough to help this project also took part in this function held in Work and Training Centre, B. Y. L. Nair Ch. Hospital. There was sale of articles made by disables on the same day.

Report of the New Project of the Rehabilitation of Alcoholics :

New project started on World Health Day (7th April 1983) is a Rehabilitation of Alcoholics. There are many employees and patients who are alcoholics, suffering from various health complaints and problems with families as well as in work. We wish to understand their problems and motivate them to give up drinking. From this point of view this project has been started with the collaboration of Psychiatric Department and Alcoholic Anonymous Group. A. A.'s meetings are arranged on every Saturday between 10.30 to 11.30 a. m. A.A.'s members are very punctual and they take keen interest. This is a group therapy. The employees and patients are attending meetings regularly and taking benefit of this project. It has been observed that few alcoholics have stopped drinking and are able to lead a normal life with their family members.

28 OCCUPATIONAL THERAPY DEPARTMENT :

The following are the figures for the year 1983 of workload and the work analysis.

Total No. of patients for 1983.	1092
Total No. of attendance of patients.	79404
New Patients (O. P. D.)	1560
New Patients (Indoor)	3494
Total No. of patients (OPD+Indoor)	1092
Total No. of splints prepared.	821

P. V. C. & D. C. U.

These sections are working as usual in addition; work is taken from outside.

Miscellaneous :

Head of Occupational Therapy Department, Shri A. S. Khullodkar was appointed as examiner for undergraduate as well as postgraduate examination in Occupational Therapy held by Bombay University, and Nagpur University Lectures for Medical and Speech therapy students as well as post-graduate students were given as a routine.

Experimental Research project has been undertaken by this department, with collaboration of Queens Land University, Australia.

Sports :

Sports activities were conducted by this department.

Work load :

The work load of patients in all sections as well as printing work load is increased than last year.

29 PHYSIO THERAPY DEPARTMENT :

The following are the figures for the year 1983, of workload and the work analysis.

Total No. of patients treated	11973
Total No. of patients (attendance)	143084
New patients (O. P. D.)	2892
New patients (Indoor).	3880

Miscellaneous :

Head of Physiotherapy Department Smt. S. S. Idgunji, was appointed as examiner for 2nd year B. Sc. Physiotherapy & Post graduate course in Physiotherapy. Lectures for medical and speech therapy students as well as post graduate students in Physiotherapy were given as a routine.

Sports :

Sports for paraplegics were organised by paraplegic foundation at 'Shivaji Park' in December 1983. The department had taken a team of 18 patients from hospital. The department has proud to say that 6 of them won awards. The paraplegics were given regular training for sports.

30. DEPARTMENT OF TUBERCULOSIS & CHEST DISEASES :

No. of patients attending our O.P.D. during 1983 :—

Chest Cases	1378
T. B. New Cases	2900
Old cases for follow-up	4300

No. of Indoor admission during the year :— 651.

Laboratory Work Done :—

Sputum examination	8450
Urine examination	207
Stool examination	152
Blood examination	254

Pulmonary function tests : 318

The department has started doing Cultures and antibiotic sensitivity tests for AFBS.

31. RHEUMATOLOGY AND IMMUNOLOGY CLINIC :

Rheumatology and Immunology Clinic are conducted on Friday and Saturday. In the year 1983, 309 patients were registered. Special laboratory tests are carried for arthritis patients These include, ANA using fluorescent staining, RF by latex agglutination Protein electrophoresis, Immunoglobulins, CRP, C3, and cryoglobulins.

32 PHARMACY DEPARTMENT :**(1) Dispensary :**

This year dispensary has dispensed 3,89,963 case papers out door and 351 case papers at indoor.

No. of stock items supplied to O. P. D. Wards and theatres is 21440.

Total quantity of stock prepared for indoor and out door patients are given below :—

(a) Quantity of stock solution prepared.	21415.25	lit.
(b) No. of packets made	181040	packs.
(c) No. of powders wrapped in packets	33718	"
(d) No. of O.P.D prescriptions dispensed where account is kept.	7208	
(e) Prescriptions where special drugs is issued and account is kept.	95643	
(f) Simple syrup. in litres	781.440	lits.
(g) Quantity of stock mixture prepared.	16474.25	lits.

2. Central Sterile Supply Service :

Total No. of drums and dressings sterilized during the year 1983 are 9323

3. Manufacturing of Pharmaceuticals :

(a) Total market cost of the preparations.	..	..	Rs.	11,79,344.45
(b) Total Preparation cost ..	..	..	Rs.	7,46,095.01
(This includes the cost of chemicals, breakage, consumable articles, machine repairs, & Depreciation, electric consumption, cleaning fluids, general articles, Analytical Testing and average staff salary supervision and over head charges etc.).				
(c) Saving effected in the year 1983 i.e.	Rs. 4,33,249.00	..	Rs.	4,33,249.14

The consolidated manufacturing figures and the saving effected are given below :—

(1) Transfusion bottles (1 lit.) ..	..	..	..	5165
(2) Transfusion bottles (540 ml.) ..	..	..	..	142701
(3) Transfusion bottles (375 ml.) ..	..	..	..	3532
(4) Vials assorted ..	..	..	..	172 vaccumbottles. 15034
(5) Ampules ..	..	..	..	90
(6) Eye ointment packets ..	..	..	..	250 Pkts.
(7) Ointment for external use ..	..	..	..	2819 Kg.
(8) Powders ..	..	..	..	240 Kg.
(9) Sterile talcum powder ..	..	..	..	59 trays.
(10) Lotion and Liniments ..	..	..	..	1102.50 lits.
(11) Soap preparations (Castor oil liquid soap) ..	..	..	..	401 Lits.
(12) Oral Rehydration mixture ..	..	..	..	1750 Pkts.
(13) Sterile vaseline Gauze Trays. ..	..	..	..	160 trays.
(14) Distilled water in (10 lit.) Car boy ..	..	..	..	401 lit.
(15) Distilled water in (5 Lit.) flasks ..	..	..	..	319 lit

4. QUALITY CONTROL :—

All the medicines and the dressing materials purchased by the Hospital Stores and the objects manufactured by this department are tested for their quality.

A total No. of 35 different types of products splitted up in 1270 No. of Batches manufactured by pharmacy department were tested during processing and at finished product stage. A total No. of 12787 tests were performed on the same.

A total number of 456 different kinds of products splitted up in 2388 number of batches, purchased from outside were tested and a total number of 26067 tests were performed on the same.

All the sterilizers at Nair Hospital and Bhajekar Hospital were tested fortnightly throughout the year by performing live culture tube sterilizations and sterility tests for their effective working.

103 items were tested urgently and the results given within one hour to meet the urgent requirement of the stores for immediate supply to the patients.

All the above work if got done from Haffkine Institution would have costed Rs. 4,15,315.00

5. Glass blowing section :

Following articles are prepared by the Glass blower in the year 1983.

Serial No.	Name of the articles.	Quantity.
(1)	Murphy's drips.	200
(2)	Bleeding set tubes for Blood Bank.	450
(3)	Sample tubes for Analytical, Manufacturing section.	222
(4)	Glass tubing for renal drainage small.	300
(5)	Saline set big tubes.	2030
(6)	Saline set small tubes.	2100
(7)	Thorasio Drainage set tube small.	550
(8)	Oxygen canulae.	24
(9)	Pipettes and pasture pipettes for medicine.	26
(10)	Pipettes and pasture pipettes for Endocrinology.	200

Needle Sharpening : -

6527 total No. of hypodermic needles resharpened and brought in use which have been condemned otherwise.

Repair work :

(1) Saline sets big tubes. 730

6. Maintenance Section

This section looks after the maintenance and repair work of all machineries of Pharmacy and minor repair work of the sterilizers of wards and theatres and Bhajekar Hospital.

Major jobs done is numbering to 822 during year 1983 which includes the replacement of heaters and other spare parts, removal of leakages and other minor repairs work.

7. Education. :

Following students from different College undergone the practical training of 750 hours in Pharmacy department in 1983.

1.	S. N. D. T. Women's University, Santacruz (W), Bombay.	2
2.	K. M. Kundanani College of Pharmacy Ulhasnagar.	4
3.	Government College of Pharmacy, Pune.	1
4.	Government College of Pharmacy, Malegaon.	6
5.	Government College of Pharmacy, Belgaon.	3

Special :

- (1) S. N. D. T. Women's University invited Smt. S.S. Pandit on the Committee in Pharmacy for the course offered at the Premilila Vithaldas Polytechnic.
- (2) Smt. S. S. Pandit attended I. S. I. meeting held in Bombay as expert invitees for the Hospital Sterilizer.

33. E. N. T. DEPARTMENT :

Department of E. N. T. consists of one Full-time unit under Dr. A. G. Pusalkar, Prof. and Head of E. N. T. and Head & Neck Department and also Head of Audiology and Speech Therapy School and one Part-time 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 1983.

O. P. D. Services :

The total No. of patients attended E. N. T. O. P. D. during the year 1983 were 13754. 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 1983 were 2225.

Daily ward rounds are taken.

E. N. G. Clinic :

Every Wednesday and Friday vertigo cases, follow-up patients etc., were seen and caloric test was also conducted whenever necessary.

School Clinic :

Work for 6 days in a week.

Peripheral Activities :**(a) E. N. T. Hospital :**

Dr. A. G. Pusalkar, Prof. & Head of E. N. T. & Head and Neck Department and Head of A. S. T. School continues to visit E. N. T. Hospital of every Tuesday. Dr. N. L. Hiranandani, Hon. E. N. T. Surgeon & 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 & Hon. Prof. of E. N. T. continues to visit Bombay Hospital twice a week.

Teaching Activities :

(a) Under graduate students : Lecture series and clinical terms.

(b) Post graduate Students :

At present 9 post-graduate students are attached to the department. The post-graduate teachers of the department guide, prepare the post-graduate students in their thesis work for M. S. Examination in E. N. T. of Bombay University. 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 participate.

(c) Speech Therapy Students :

Lecturers in E. N. T. are held for the B. Sc. (A. S. T.) students of our college.

Academic Courses :

Ind advanced course in Head and Neck Surgery from 14th February to 17th February 1983 was conducted under the the auspices of Golden Jubilee Research Foundation by the Department of E. N. T. Many leading E. N. T. surgeons and Residents from all over India participated.

4th Annual Conference of Maharashtra State was organised on 29th October 1983 at B. Y. L. Nair Ch. Hospital. Scientific Sessions, Pannel discussions and quiz programme were the high lights of the same.

Visits by Eminent People :

- (1) Dr. E. Steinbach from West Germany visited the department and delivered a lecture on "Genesis of Cholesteatoma". He also demonstrated certain surgeries.
- (2) Dr. U. Prasad from Malaisiya visited the department and delivered a lecture on "Carcinoma Nasopharynx."
- (3) Dr. Coleman from England visited the department and delivered a lecture on "Bacteriology and management of C. S. O. M."
- (4) Dr. Oswal from U. K. visited the department and delivered a lecture on "Laser in E. N. T."

Extra Activities :

Dr. A. G. PUSALKAR Prof. & Head of E. N. T. and Head and Neck department and Head of Audiology and Speech Therapy School conducted a surgical course in Rhinoplasty in Medical College Miraj and Free ear surgery organised by Rotary Club Camp at Amalner. He has been invited by E. N. T. Department Tubingen West Germany for surgical demonstration for a month in September.

General :

Dr. A. G. Pusalkar Prof. and Head of E. N. T. & Head and Neck Department and also Head of Audiology and Speech Therapy School Dr. B. K. Sharma Lecturer, Dr. Dhaval Shah, R. M. O., Dr. C. A. Bhatt, R. M. O. received commendation letter from Municipal Commissioner for services rendered in saving the life of injured Custom Superintendent.

Dr. B. K. Sharma, Lecturer in E. N. T. awarded National Travel Fellowship from A. O. I. to visit different centres of India.

Dr. (Smt.) J. R. Desai, Lecturer in E. N. T. awarded Travel Fellowship for the year 1983 from A. O. I. to visit different centres of India.

(34) NURSING :

The total number of students admitted for General Nursing and midwifery in the year 1983 are 91 and 43.

The number of students discontinued from training are 15.

The number of students left the institution are 1.

The number of students discontinued from midwife training 56 and appointed as staff nurse is 50.

The number of students appeared for midwifery examination are 53 and 51 passed and 2 failed.

The number of students appeared for General Nursing examination Part-II are 45 and 39 passed and 6 failed.

The number of students appeared for General Nursing part-I examination are 84, 78 passed and 6 failed.

Mayor's Award was awarded to sister Smt. Shalini Kamat and student nurse Mary A. J.

Dr. A. L. Nair Award to Sr. N. Kamamma, S/N. Suvarana V. More, S/N. Mandakini Brid, student nurse Elsy K. J. and Anamma Kuruvilla.

In the month of March sports were arranged for trained staff and student nurses on Haji Ali ground.

In the month of January picnic was arranged for trained staff and student nurses to Malad.

In the month of December lunch was arranged in nurses dinning Hall for trained staff and student nurses and Dean, A. D. and A. M. O. were invited.

35. 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 examinations.

The College has also been affiliated to the University of Bombay for teaching the courses of studies leading to B.Sc. (Audiology and Speech Therapy) degree examination.

603 undergraduate students (245 ladies) and 369 post-graduate students (133 ladies) were on the roll at the class of the year. :—

Students on roll as on 1-8-1982.

Class	Male	Female	Total
III M.B.B.S. Casual	27	3	30
III M.B.B.S. III term	72	60	132
III M.B.B.S. IIInd term	22	7	29
III M.B.B.S. Ist term	45	44	89
II M.B.B.S. IIIrd term	16	1	17
II M.B.B.S. IIInd term	49	40	89
II M.B.B.S. Ist term	8	4	12
I M.B.B.S. IIIrd term	60	40	100
I M.B.B.S. IIrd term	..	..	..
I M.B.B.S. Ist term	54	46	100
I M.B.B.S. Casuals	5	..	5
Total	358	245	603

Post Graduate Students on roll as on 1-8-1983.

Class	Male	Female	Total
M.D. (All Branches)	106	64	170
M.S. M.Ch.(All Branches)	88	10	98
University Diploma D.A., D.P.H. DVD, Dpm, DMRD,	30	23	53
M.Sc. (Biochemistry) by papers :	5	10	15
M.Sc. by research :			
Biochemistry	3	3	6
Microbiology .. .. .	..	4	4
M.Sc. (Occupational Therapy)	1	8	9
M.Sc. (Physical Therapy) .. .. .	..	1	1
D.M.L.T.	2	8	10
Ph.D.	1	2	3
Total	236	133	369

(36) TOPIWALA NATIONAL MEDICAL COLLEGE LIBRARY :

Introduction :

Library was established in 1947 in a single room measuring 540 sq. ft. with the grant of Rs. 2,000. Academic libraries have been called temples of learning, where to the extent possible all up-to-date knowledge concerning all human activities and his environment is stored and made freely and easily available to all seekers.

Membership :

Library services caters to 689 undergraduate students, 540 postgraduate students, 181 physicians, 300 residential and pharmacutists and other paramedical staff such as scientific officer, Research Assistant, Medical Social Worker, Clinical Psychologist, Speech Therapists, Physio-therapist, Occupational therapists, technicians and dietiticians. Outsiders are permitted to use the library for references with the permission from authority time to time.

Comparative statistical data are shown as under :

COLLECTION :

A. Books

	1983-84	1982-83
(1) Purchased for central library	547	999
(2) Purchased for Departmental library.	149	358
(3) Received as Donation.	83	150
(4) Kept as reference only.	172	..
(5) Text books purchased for undergraduates.	47	..
(6) Withdraw from collection as became an old edition.	47 (Costing Rs. 3,323.34)	47 (Costing Rs. 8,500.37)
(7) Total No. of books added in the collection.	780	1507

B. PERIODICALS.

	1983-84	1982-83
(1) Subscribed.	294	255
(2) Donated.	48	105
Total	342	360

C. THESIS.

	1983-84	1982-83
Registered in Library ledger.	91	63

D. : BOUND VOLUMES OF JOURNALS.

	1983-84	1982-83
Added.	510	220
Total :	12870	12360

Activities :

	1983-84	1982-83
(a) No. of books and periodicals issued on premises for references in the library. ..	65,273	69,591
(b) No. of books/periodicals issued for home reading. ..	3,473	3,545
(c) No. of Thesis referred on premises in the library. ..	492	351
(d) Books/periodicals borrowed on Inter library loan. ..	44	26
(e) Bound volumes loaned to other institutional library for reference. ..	30	63
(f) Back issues of periodicals received under exchange programme. ..	22	64
(g) No. of Guest members from other institution through out India have used library reference sources. ..	350	430

Apart from above services approximately 250 reference queries were attended by Sr. Librarian which includes preparation of reading lists and bibliographies procure literature either on loan or by reprographic services procure search from National Medical Library on MEDLARS, and literature search from Index Medicus for readers on request.

Various committees from Bombay University has visited the library during the year 1983-84 to permit the college to start postgraduate course in the field of Endocrinology, Gastroenterology, Forensic Medicine, Cardio-vascular Thoracic Surgery, Nephrology, Biology, Physical therapy and Biochemistry.

The Library at the end of the year has 29,704 books, 12,870 bound volumes of periodicals, 1,473 thesis and 1,337 slides on Gastroenterology, Hepatology and Cardiology.

(37) DR. BHAJEKAR MUNICIPAL HOSPITAL :

Dr. Bhajekar Hospital was taken over by Municipal Corporation of Greater Bombay in 1956 from Dr. Bhajekar M. V. son of late Dr. V. N. Bhajekar. The main function of this hospital is to provide Medical Relief to the patients by giving them Indoor and Out-poor treatment as required.

This is a minor surgical hospital for the male and the female patients only, consisting of 58 beds. 14 beds for convalescence of Orthopaedic patients and 4 beds are reserved for Head, Neck surgery for patients sent by Nair Hospital.

During 1982-83 and 1983-84 the patients attended at Dr. Bhajekar Hospital are mentioned below :—

	1982-83	1983-84
O. P. D. patients.	10551	15412
Indoor.	656	1411
Operations.	553	1289 (Hernia—404 T.V.H.—646)
Total No. of Indoor patients maintained. ..	7370	13663

REVENUE

On account of Registration fees etc.	Rs. 22,061 approx.
On account of rent from tenants etc. ..	Rs. 5,088 approx.
No. of beds.	58
Average No. of patients operated daily. ..	5
Average No. of patients maintained in ward per day. ..	38

APPENDIX I.

With effect from 1-1-82 the Distribution of Beds of this hospital will be as under:—

Serial No.	Department.	Male.	Female.	Children.	Total.
1.	Medical	111	39	..	150
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 I. P. C. U.)	..	..	51	51
8.	Skin and 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	4	2	..	6
16.	I.C.C.U.	4	..	..	4
17.	Thoracic	3	2	..	5
18.	Neurology	15	2	..	17
19.	Neuro-Surgery	13	4	..	17
20.	Plastic Surgery	11	5	..	16
21.	Gastro-enterology (Medical)	13	3	..	16
22.	Gastroenterology (Surgical)	3	2	..	5
23.	Paediatric Surgery	..	..	2	2
24.	Renal (Medical)	3	2	..	5
25.	Renal (Surgical)	1	1	..	2
26.	Diabetic	3	2	..	5
27.	Rheumatology	3	2	..	5
28.	Genito-urinary	2	2	..	4
29.	M.A.C.U.	12	..	..	12
30.	Playing Wards	10	10	..	20
31.	Isolation Wards.	..	..	..	5
32.	Observation Ward.	..	..	..	7
33.	Artificial Kidney Dept.	..	..	..	2
	Total.	502	275	59	850

APPENDIX II

The number of accident cases treated.

Sex.	Treated in casualty Department.		Admitted through Casualty Department.	
	1982	1983	1982	1983
Male	13,358	12,996	3,098	2,481
Female	2,925	2,859	1,007	926
Children	Male	2,913	554	526
	Female	1,279	1,152	289	271
Total	20,475	19,589	4,948	4,204

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 and repairs	Establishment	Total
	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.
Indoor						
1983	6.05	18.64	6.00	5.71	38.10	74.50
		8.12%	25.02%	8.06%	7.67%	51.14%
1982	5.96	21.60	5.01	4.94	33.09	70.60
		8.45%	30.60%	7.10%	7.00%	46.47%
Out-patient						
1983	..	2.61	2.48	0.55	9.46	15.10
		17.29%	16.42%	3.65%	62.65%	46.87%
1982	..	4.03	1.93	0.26	8.03	14.25
		17.29%	16.42%	3.65%	62.65%	
		28.23%	13.55%	1.71%	36.35%	

APPENDIX IV

Statements showing the Out-Patients (New O.P.D., Casualty) in the B.Y.L. Nair Charitable Hospital during the year 1983. Classification according to the Department, Sex & Age.

Department	O. P. D. New Cases				Total	Casualty Cases				Total
	Male	Female	M/Ch.	F/Ch.		Male	Female	M/Ch.	F/Ch.	
Medical	29745	15453	..	..	45198	1004	509	..	..	1513
Surgical	19705	5712	3018	1573	30008	9237	1726	1824	805	13692
Ophthalmic	5037	2418	534	360	8399	220	21	12	7	260
Gynaec	..	7949	..	..	7249	..	42	..	7	49
Skin	12328	4116	3167	2281	21892	29	3	1	..	33
Aural	6001	3714	2185	1592	13492	155	34	43	30	262
Orthopedic	7174	3588	1091	591	12444	1798	357	408	161	2714
Paediatric	..	..	10654	8082	18736	..	..	145	88	233
Maternity	..	3896	..	..	3896	..	78	..	..	78
T. B.	1479	507	..	..	1986	11	1	..	..	12
Cardiology (Med.)	672	332	198	114	1316	1	..	..	1	2
Gastroenterology	290	153	9	7	459	..	..	..	..	..
Psychiatric	1943	1074	188	89	3299	30	8	1	..	39
P. S. D.	16	2	5	2	25	..	..	..	..	..
Rheumatic and Col. Disease	50	80	7	3	140	..	..	..	..	..
Neuro-Surgery	298	122	64	40	524	18	3	4	..	25
Neurology	293	137	58	43	531	2	..	1	..	3
Plastic Surgery	138	81	56	42	317	189	13	23	10	235
Gastroenterology Surgical Service	5	..	2	..	7	..	..	..	..	..
Renal Surgery	121	58	8	1	188	..	..	..	..	..
Genito-urinary Surgical Service	20	2	2	..	24	..	..	..	..	..
Thyroid Surgery	30	73	3	2	110	..	..	..	..	..
Anti Rabies	1327	237	466	260	2290	300	64	119	43	526
Diabetic	83	52	1	..	136	..	..	..	..	..
Haematology	49	19	27	14	109	..	..	1	..	1
Special Care	..	..	274	200	474	..	..	..	..	..
Asthma	20	11	..	..	31	..	..	..	..	..
Hypertension	4	..	..	..	4	..	..	..	..	..
New Born	..	..	117	401	948	..	..	..	..	..
Thoracic Surgery	1	..	..	..	1	..	..	..	..	..
Cardiology Surgical	33	16	15	2	66	2	..	..	..	2
Endocrinology	72	143	3	4	222	..	..	..	..	..
Sexology Department	261	8	..	..	269	..	..	..	..	..
Total	87250	49255	22582	15703	174790	12996	2859	2532	1152	19589

APPENDIX V

Summary of In-Patient Classified According to Department and Sex

Department	SEX		In the hospital on mid-night of 31-12-1982	Admitted during the year	Total	DISCHARGED		Deaths	Remaining in the hospital on mid-night of 31-12-1983
						Cured	Otherwise		
1	2	3	4	5	6	7	8	9	
Medical	Male	..	154	5404	5558	2475	2392	568	123
	Female	..	72	2687	2759	2112	299	275	73
	Total	..	226	8091	8317	4587	2691	843	196
Surgical	Male	..	81	5001	5082	2937	1718	324	103
	Female	..	24	1556	1580	1007	362	174	37
	Male Child	..	10	833	843	683	117	33	10
	Female child	..	4	359	363	297	42	19	5
	Total	..	119	7749	7868	4924	2239	550	115
Ophthalmic	Male	..	9	556	575	384	171	Nil	20
	Female	..	10	322	332	246	76	1	9
	Male child	..	2	39	41	23	18	Nil	...
	Female child	..	..	23	23	17	6	Nil	..
	Total	..	21	950	971	670	271	1	29
Gynaec	Female	..	25	1685	1710	1138	261	7	33
	Female child	..	Nil	7	7	6	1	Nil	Nil
	Total	..	25	1692	1717	1144	262	7	33
Skin & V. D.	Male	..	5	161	166	121	37	..	8
	Female	..	1	24	25	16	9	..	..
	Male child	..	1	15	16	9	7	Nil	..
	Female child	..	..	8	8	6	2	Nil	Nil
	Total	..	7	208	215	152	55	..	8
E. N. T. #	Male	..	13	1039	1057	988	37	14	18
	Female	..	15	721	737	697	29	5	6
	Male child	..	4	380	384	283	97	2	2
	Female child	..	5	329	334	269	62	1	2
	Total	..	43	2469	2512	2237	225	22	28
Orthopaedic	Male	..	112	1348	1460	501	854	22	83
	Female	..	39	482	521	250	239	18	14
	Male child	..	8	255	263	137	112	3	11
	Female child	..	5	103	108	58	45	Nil	5
	Total	..	164	2188	2352	946	1250	43	113
Paediatric	Male Child	..	52	1880	1932	1443	258	192	39
	Female Child	..	18	1423	1441	1137	121	165	18
	Total	..	70	3303	3373	2580	379	357	57
Maternity	Female	..	70	5736	5806	..	5734	3	69
	Total	..	70	5736	5806	..	5734	3	69
T. B.	Male	..	20	594	614	..	542	60	12
	Female	..	7	160	167	..	155	11	1
	Total	..	27	754	781	..	697	71	13
Cardiology	Male	..	4	424	428	..	410	14	4
	Female	..	11	217	227	..	219	8	..
	Male child	..	3	142	145	..	141	3	1
	Female child	..	1	84	85	..	85	..	..
	Total	..	18	867	885	..	855	25	5
Gastro-enterology (Medical).	Male	..	4	185	189	..	171	6	12
	Female	..	2	83	85	..	80	2	3
	Male child	..	1	2	3	1	3	..	..
	Female child	..	..	..	..	..	..	..	..
	Total	..	7	270	297	..	254	8	15

APPENDIX—V

Department	SEX	In the hospital on mid-night of 31-12-1981	Admitted during the year	Total	DISCHARGED		Deaths	Remaining in the hospital on mid-night of 31-12-1982
					Cured	Otherwise		
1	2	3	4	5	6	7	8	9
Renal	Male ..	4	137	141	..	134	2	5
	Female ..	..	28	28	..	28	..	..
	Male child ...	..	8	8	..	7	..	1
	Female child ...	..	1	1	..	1	..	..
	Total ..	4	174	178	..	170	2	6
Cardiac Surgery	Male ..	14	97	111	..	91	11	9
	Female ..	9	79	88	..	71	8	9
	Male child ..	1	24	25	..	19	6	..
	Female child ..	1	12	13	..	13	..	..
	Total ..	25	212	237	..	213	25	18
Psychiatric	Male ..	22	941	963	145	789	2	27
	Female ..	28	553	581	129	429	3	20
	Male child ..	..	13	13	..	13	..	..
	Female child ..	..	13	13	..	13	..	..
	Total ..	50	1520	1570	274	1234	5	47
Rheumatic & Collagen Diseases.	Male ..	4	20	24	..	20	..	4
	Female ..	1	6	7	..	7	..	..
	Male Child ..	..	2	2	..	2	..	..
	Female child ..	..	..	..	..	..	..	..
	Total ..	5	28	33	..	29	..	4
Neurology	Male ..	16	224	240	..	221	8	11
	Female ..	4	76	80	..	78	1	1
	Male child ..	..	23	23	..	21	2	..
	Female child ..	..	12	12	..	12	..	..
	Total ..	20	335	355	..	332	11	12
Neuro-Surgery	Male ..	9	226	235	..	199	15	21
	Female ..	3	95	98	..	74	13	11
	Male child ..	1	48	49	..	37	8	4
	Female child ..	1	26	27	..	20	3	4
	Total ..	14	395	409	..	330	49	40
Thyroid Surgery.	Male ..	..	2	2	..	2	..	..
	Female ..	..	3	3	..	3	..	..
	Male child ..	..	..	..	..	..	..	..
	Female child ..	..	..	..	..	..	..	..
	Total ..	..	5	5	..	5	..	..
Plastic Surgery	Male ..	4	224	228	..	224	..	4
	Female ..	1	55	56	..	55	..	1
	Male child ..	2	68	70	..	70	..	..
	Female child ..	1	40	41	..	40	..	1
	Total ..	8	387	395	..	389	..	6
Gastroenterology Surgical Service.	Male ..	2	2	4	..	1	..	3
	Female ..	..	3	3	2	1	..	..
	Total ..	2	5	7	2	2	..	3
Genito-Urinary Surgical Service.	Male ..	..	52	52	..	52	..	..
	Female ..	..	4	4	..	4	..	..
	Male child ..	..	8	8	..	8	..	..
	Female child ..	..	1	1	..	..	..	..
	Total ..	..	65	65	..	65	..	..
Diabetic	Male ..	7	118	125	..	119	..	6
	Female ..	..	64	64	..	64	..	..
	Total ..	7	182	189	..	183	..	6
Haematology	Male ..	..	65	55	..	64	..	..
	Female ..	..	61	61	..	61	..	..
	Male child ..	..	73	73	..	72	..	1
	Female child ..	..	26	26	..	26	2	..
	Total ..	..	225	225	..	224	2	1
Asthma.	Male ..	..	3	3	..	3	..	..
	Female ..	..	1	1	..	1	..	..
	Male child ..	..	1	1	..	1	..	..
	Female child ..	..	..	..	..	..	..	..
	Total ..	..	..	..	..	..	..	..
Grand Total ..	..	932	37815	38747	12359	12359	2014	864

APPENDIX No. VI

CENTRAL LABORATORIES

Total 93404 Investigations carried out in the Central Clinical Laboratory during the year 1983 *i. e.* from 1st January to 31st December 1983.

Routine investigation in the Central Laboratories :

Blood count and Hb.	..	17004	Urine	..	13036
Stool	..	7982	Occult Blood.	..	3888
E. S. R.	..	5793	Sputum.	..	1625
C. S. F. Routine.	..	3258	Pleural Fluid.	..	1046
Acetic Fluid.	..	1105	Blood Urea.	..	3665
Blood Sugar.	..	4094	Throat Swab.	..	425
Blood Malarial Parasites.	..	1636	Blood serum billirubin.	..	417
			Total	..	64974

Collection of Material (Blood) :

(1) Blood Urea.	..	3054	(2) Blood Sugar	..	3054
(3) Blood Sugar P. P.	..	6313	(4) Blood for R. A. Tests.	..	173
(5) Blood Serum cholesterol.	..	1110	(6) Blood Uric Acid.	..	464
(7) Blood Serum Protein.	..	499	(8) Blood serum Calcium.	..	668
(9) Blood L. F. T. Tests.	..	601	(10) Blood V. D. R. L. Tests.	..	647
(11) Blood serum alkaline Phosphatase	..	2719	(12) S.G.O.T. and S.G.P.T.	..	622
(13) Blood widal tests.	..	883	(14) Blood serum Creatinine tests.	..	420
(15) Blood serum Electrolytes.	..	2357	(16) Blood serum Billirubin.	..	1534
			Total :	..	28430

Investigations Department wise.

(1) Department of Pathology

Surgical Histopathology Section :

(1) Surgical tissue received	..	..	..	..	..	4,556
(2) Fluids for cytological examination	..	..	..	..	..	1,037
(3) Surgical blocks prepared	..	..	..	..	..	9,137
(4) Slides of surgical tissues prepared	..	..	..	..	..	20,554

(Details of surgical slides prepared)-

(1) Dr. Bhajekar Hospital	..	..	..	..	..	35
(2) Kasturba Hospital	..	..	..	..	..	10
(3) Tata Hospital	..	..	..	..	..	80
(4) Eye Hospital	..	..	..	..	..	10
(5) G. E. Department	..	..	..	..	..	640
(6) Medicine Department	..	..	..	..	..	200
(7) Special Stains	..	..	..	..	..	450
(8) Duplicate Slides	..	..	..	..	..	500
(9) Practical Class	..	..	..	..	..	600
(10) Request from staff	..	..	..	..	..	750
(11) Slides for meeting	..	..	..	..	..	500
(12) Neurology Dept.	..	..	..	..	..	560
(13) Skin department.	..	..	..	..	..	370
(14) Kamathipura hospital.	..	..	..	..	..	10
(15) Cytological Slides.	..	..	..	..	..	3112
(16) Cytological Blocks & Slides.	..	..	..	..	..	1060
(17) Cytology duplicate slides.	..	..	..	..	..	480
(18) E. N. T. Tissues.	..	..	..	..	..	621
(19) E. N. T. Blocks.	..	..	..	..	..	800
(20) E. N. T. Slides.	..	..	..	..	..	1000
(21) Santacruz Tissues.	..	..	..	..	..	287
(22) Santacruz Blocks.	..	..	..	..	..	350
(23) Santacruz Slides.	..	..	..	..	..	700

HAEMATOLOGY SECTION :

Different test done are as follows :—

1. Complete Haemogram done.	..	..	..	..	..	5200
2. Hb., BT, C.T.	..	..	..	..	..	1418
3. Platelet Counts.	..	..	..	..	..	2100
4. Retic Countst.	..	..	..	..	..	2700
5. Malarial parasites.	..	..	..	..	..	1400
6. Bone Marrow slides.	..	..	..	..	..	120
7. L. E. Cell test.	..	..	..	..	..	100
8. G-6-P. D. test.	..	..	..	..	..	30
9. Filarial parasites.	..	..	..	..	..	25
10. Osmotic fragility.	..	..	..	..	..	20
11. Sickling test.	..	..	..	..	..	20
				Total	..	13213

Though 2027 appointments were given for complete Haemogram work load increased upto 5200.

C. S. F.	16	Sputum.	13
Urine.	35	Stool.	4
Swabs.	23	Skin.	5
Fluid.	5	Miscellaneous.	28

Food Handler's Scheme :—

1 Total No. of food handler's stool examined.	..	566
2 Total No. of food handler's stool examined.	..	566
3 Total No. of repeat stool examined.	..	25
4 Total No. of Urine examined.	..	566
5 Total No. of Widal test Carried out.	..	566
6 Nos. of Widal repeated.	..	2
7 Total No. of stool culture for salmonella.	..	Nil
8. No of stool culture tve for Salmonella.	..	Nil.

Serology Section

Blood V. D. R. L.	14932	C. S. F. V. D. R. L.	990
Blood widal.	1828	R. A. Test.	242
A. S. O. Titre.	174	Paul Bunnel Test.	22
Formal Gel test.	4	Brucellosis Ag. test.	1

Total No. of Widal from Food Handler's Scheme.

18193
665

Grand Total .. 18858

t1) Department of Pharmacology :

Investigations carried out in the Radioisotope Unit during the period of 1st January 1983 to 31st December 1983.

Throid uptake slides with I 131.	25	Thyroid Scan.	338
Liver scan.	424	Spleen Scan.	424
Bone Sean.	2	Brain scan.	291
Renal Scan.	40	Serum T3 assay.	823
Serum T4 assay.	823	T3 suppression test.	..
Serum TSH assay.	34		

(5) BLOOD BANK :—

(1) Blood collection :—	Total—6938		
Voluntary Indoor.	.. 307	No. of outdoor blood sessions.	92
Outdoor	.. 4139		
Replacement Donors.	.. 1752	No. of Blood bottles brought from other hospitals.	.. 739

2. Blood utilisation :

(a) Transfusions given to Nair Hospital patients.	..	..	6346
(b) No. of blood bottles used for Nair patients.	..	..	5183
(c) No. of blood bottles given to other hospitals.	..	..	1202
(d) No. of blood bottles sent for plasma to Haffkine Institute.	..	..	336
(e) No. of blood bottles discarded.	..	..	67

(3) Blood Component therapy :

(1) Packed cells.	..	..	..	633
(2) Saline washed pack cells.	..	..	..	47
(3) Pooled plasma.	..	..	..	183
(4) Platelets.	..	..	..	32
(5) Buffy coat.	..	..	..	73
(6) Fresh frozen plasma.	..	..	..	387
(7) Cryoprecipitates.	..	..	..	127
(8) Pheresis packs.	..	..	..	10

APPENDIX No. 7

RADIOLOGY DEPARTMENT :

Investigations carried out :—

	Total No. of patients
I. Respiratory System	
Bronchograms.	18
II. Cardio-Vascular System :—	
1. Aortogram.	15
2. Carotid Angiograms.	372
3. V. B. Angiogram.	2
4. Renal Angiograms.	2
5. Femoral Angiograms.	22
6. Inferior Vena-Cavogram.	8
7. Trans-Lumber Aortogram.	22
8. Venograms.	16
III. Gastro-Intestinal System :—	
1. Sialograpny.	4
2. Laryngography	7
3. Barium Swallow.	93
4. Barium Meal.	145
5. Hypotonic Duodenography	2
6. Barium Enema.	38
7. Oral Cholecystograms.	72
8. I. V. Cholangiograms.	4
9. T. tube Cholangiograms.	24
10. Oral Cholangiography.	40
11. Porto-venogram (Spleenogram)	43
12. P. T. D.	1
IV. Genito-Urinary System :—	
1. I. V. P.	385
2. Ascending Pyelography	125
3. Cysto Urethrogram.	11
4. Ascending Urethrogram.	37
5. Mict. Cystourethrogram	62
6. Nephrostomy tube study.	10
V. C. N. S. :—	
1. Conray ventric	53
2. Air Ventriculogram	4
3. Myelogram.	47
4. Myodil Ventric.	12
V. MISCELLANEOU :—	
1. Fistulogram.	3
2. Sinusogram.	9
3. Lymphangiogram.	2
4. Dacryocystogram.	1
5. Cavitogram.	3
6. Miscellaneous.	83
7. Routine X-ray investigations.	44313
8. Ultrasonography.	1242
9. P. T. H. C.	37
10. E. R. C. P.	107
Total No. of patients X-rayed during the year,	46036
Total No. of X-ray plates used during the year.	75139

APPENDIX NO. VIII.

List of Research Work.

Doctor.	Subject.
	1. General Surgery.
Dr. D. R. Trivedi.	Sclerotherapy in the management of Oesophageal varices.
	Balloon dilatation os achalasia cadre.
Dr. A. E. Mody.	Truncal Vagotomy with Pyloric dilatation.
	Continuation of comparative study in Gastric and duodenal ulcer between (1) Clinical picture (2) Ba meal findings. (3) O. G. D. Scopy findings. (4) Operative findings.
	2. Gynaec. and Obst.
Dr. (Mrs.) R. N. Merchant.	Clinico-pathological study of fallope tubes and uteri following transcervical injection of Quinacrine HCL pellets-project supported by IFRP.
	Estimation of copper in endometrial cavity among copper C IUD wearers.
	Microsurgery for correction of infertility.
Dr. S. B. Gokral.	Blood sugar levels in Pregnancy.
	3. Department of Anaesthesiology.
	Scavenging systems in the operating rooms.
	Effect of trace anaesthetics on the performance of anaesthetists
	Dorsalis—Pedis cannulations.
	Blood coagulation studies in massive transfusions.
	4. Department of Gastroenterology.
	Virus B markers in health personnel.
	Virus B markers in patients who have received blood transfusion.
	Effect to Red chilli powder in gastric pH.
	Histological study of oesophagus and stomach in patients with symptomatic tobacco gastritis.
	Double blind control trial of Ranitidine Vs Cimetidine in patients with Duodenal ulcer and Gastric ulcer.
	Control trial of Gastrozepin Vs Probanthine in patients with Duodenal ulcer and Gastric ulcer.
	Clinical trial to judge the efficacy and safety of Imodium in patients with amoebic colitis.
	Clinical study of patients with acute upper G. I. bleeding.
	Clinical study of patients with traumatic proctitis.
	5. Asthma and Obstructive Airway Diseases Clinic.
	Pulmonary function tests—Comparison of various Bronchodilators.
	Pulmonary function tests—effect of Physiotherapy (6 weeks training)—Stress exercises versus breathing exercises.
	6. Rheumatology and Immunology Clinic.
	Inj. Lysine Acetyl Salicylic acid (LAS)—comparison with Inj. Phenyl Butazone in acute arthritis.
	RFs in healthy and disease.
	Following projects are going on—
	Tiaproenic acid in RA, a comparative study with Brufen.

Doector.	Subject.
	<p>7. Diabetic Clinic.</p> <p>Glycosylated haemoglobin in diabetes, lipoprotein patterns and new drug trial are going on.</p>
	<p>8. Endocrinology Department.</p> <p>Clinical studies in growth retardation.</p> <p>Studies in cases of inter sex.</p> <p>Studies in cases of thyroid disturbances.</p> <p>Stimulation tests in cases of adrenal disorders.</p> <p>Experimental studies in Reproductive biology.</p> <p>Effect of pharmacologic agents on pulse amplitude of LHRH.</p> <p>Comparison of L-Dopa, Ex-L-Dopa and insulin hypoglycemia stimulation tests for diagnosis of growth hormone deficiency.</p> <p>Response to Bromocryptine in hyper—prolactinaemia and pituitary Adenoma.</p> <p>Evaluation of gonadotropin response to +ve estrogen feedback in abnormal exsexual behaviour, genetic disorders and C&H.</p> <p>Evaluation of Antiandrogen therapy in Hirsutism.</p> <p>Evaluation of Antisperm AB in vasectomised males and infertile couples.</p> <p>Purification and development of HCG—LH receptor from rat tests and bovine corporatutea for development of HCG receptor as say.</p> <p>Sex chromatin and Karyotyping studies in genetic disorders.</p>
	<p>9. Preventive and Social Medicine Department.</p> <p>Audio-visual slide shows : Preparation of audiovisual slides shows on Poliomyelitis.</p>
Dr. N. P. Pai.	Antenatal care.
Dr. R. Y. Aras.	Study of child labour in Deonar Slum Coimmunity.
Dr. N. P. Pai. Dr. Chowathe.	Human Sexuality.
Dr. P. Subramanian. Dr. Goel.	Impact of Health care package on Balwadi children.
Dr. N. P. Pai. Dr. Naik.	Study of knowledge, attitude and practices of Traditional Birth Attendants in an urban slum community.
Dr. D. D. Pandit.	Impact of supplementary feeding programme on the health status of school children.
Dr. V. A. Naik. Dr. N. P. Pai. Dr. Chawathe.	Study of high risk children in an urban slum community.
Dr. N. P. Pai. Dr. V. A. Naik. Dr. Shanbhag.	Evaluation of health education programmes in Bombay Municipal Corporation.
Dr. P. Subramanian.	Epidemiological study of Tuberculosis in Deonar slum community.
Dr. V. A. Naik. Dr. P. Subramanian.	Study of medical termination of pregnancy in Adolescent girls.
	<p>10. Department of Cardiovascular and Thoracic Surgery.</p> <p>Autologous Pericardial Valves—is in progress.</p>

Doctor.	Subject.
11. Department of Dermatology and Venereology.	Gonococcal cultures and antibiotic sensitivity. Fungal cultures. Donovanosis—Clinico-therapeutic study. Anthralin in Psoriasis. Ketoconazole in Tinea-versicolor. A clinico-histopathologic and Therapeutic study of Lupus Vulgaris.
12. Physio Therapy Department.	Magneto therapy. Hyperhydrosis.
13. Department of Biochemistry.	Biochemical profile in anaesthesia during surgery. Biochemical studies in Rheumatoid arthritis completed. Biochemical aspects in contraception. Biochemical studies in mental disorders. Human Chorionic Gonadotropin Lutenizing hormone, receptors- Extraction and application. Immunological aspects of Andrology.
14. Department of Anatomy.	Special Exfoliative cytology including the use of Tetra-cycline Fluorescence for exclusion of malignancy. Developing a hystological stain from a plant extracts. Use of calcium hydroxide as a stimulator for the bone formation. Developing a Genetic Laboratory.
15. Department of Tuberculosis and Chest Diseases.	Prevalence of Diabetes among Pulmonary Tuberculous patients. Fate of Refusal of Surgery for Pulmonary TB. A study of Cervical Lymphadenitis. Short-term Chemotherapy trial involving the use of INH and Thiacetazone in the Continuation phase.
16. Department of Microbiology.	Worked on Microbial Flora of Dental plaque.
Mrs. Loraine Squeira.	Worked on Microbial Flora of Dental plaque.
Miss Unnati Vasa.	Worked on 'Vi serology in screening of typhoid acarries amongst foodhandlers in Bombay.

APPENDIX NO. IX.

List of Publication and Papers read :—

Doctor.	Subject.	Particulars where published.
	1. Department of Medicine.	
Dr. (Mrs.) Deshpande.	Hypokalemic paralysis.	JAPI 1983, 31 : 263.
	Conversion of chronic Myeloid Leukemia.	JAPI 1983, 31 : 337
	Non-specific -immunostimulation.	JAPI 1983, 31 : 401.
	Sequelae of Hepatitis B virus infection.	JAPI 1983, 31 : 481
	Dysautonomia and Gullain Barre Syndrome.	JAPI 1983, 31 : 491.
	Amoebic liver abscess and immune reactions.	JAPI 1983, 31 : 557
	Utility of FDP levels in acute Myocardial infarction.	JAPI 1983, 31 : 687.
	Why should we retain waste-paper basket diagnosis.	JAPI 1983, 31 : 688.
	Bromocriptive.	JAPI 1983, 31 : 191.
	Interesting findings regarding the age old shingles.	JAPI 1983, 31 : 617.
	The problem of low backache.	JAPI Dec. 1983.
	Autonomic dysfunctions in asthma and Thyrotoxicosis.	JAPI 1983, 31 : 299.
	2. General Surgery Department.	
Dr. D. R. Trivedi.	Sclerotherapy in the management of Oesophageal varices.	Paper read at Western Chapter of A. S. I.
	Obstructive Jaundice : a review of 120 cases.	Paper read at Western Chapter of A. S. I.
	E. R. C. P. : Review of 200 cases.	Paper read at Western Chapter of A. S. I.
	Splenectomy in the management of hemolytic disorders.	Paper published in 2nd Journal of Surgery.
	3. Obstetric and Gynace.	
Dr. (Mrs.) C. M. Alwani.	Pregnancy associate with Genital Prolapre (Author).	Journal of Obst. & Gyn. India.
	Amnioscopy and assessment of Fetoplacental complex (Author).	Journal of Obst. & Gyn. India.
	Hysteroscopy (Preliminary study) (Co-author).	Journal of Obst. & Gyn. India
	Transplacental Haemorrhage following M. T. P. (Author).	Journal of Obst. & Gyn. India
	Reproductive performance following Fothergill's repair. (Author).	Journal of Obst. & Gyn. India.
	Reproductive performance following Purandre's Cervicopexy (Author).	Journal of Obst. & Gyn. India.
	Low Voltage Electric Current VS Epidosin in Accelerating labour. (Co-author)	Journal of Obst. & Gyn. India.

Doctor.	Subject	Particulars where published
Dr. (Mrs.) C. M. Alwani.	Brenner's tumor. (co-author)	Journal of Obst. & Gyn. India.
	2nd Look Laparoscopy in previous sterilisation operations. (co-author).	Journal of Obst. & Gyn. India.
	Endoscopy Aspiration Cytology (Reliable test in Infertility work up) (Author).	Journal of Obst. & Gyn. India.
	Endoscopy Sinus Tumor (A case report) (Author).	Journal of Obst. & Gyn. India.
	Valethamate bromide for acceleration of labour (Author).	Journal of Obst. & Gyn. India
Dr. V. R. Ambiyé.	Pregnancy associate with Genital Prolapse (Author).	Journal of Obst. & Gyn. India.
	Aminoscapy and assessment of Fetoplacental complex. (Author).	Journal of Obst. & Gyn. India.
	Hysteroscopy (Preliminary study) (Coauthor).	Journal of Obst. & Gyn. India.
	Transplacental Haemorrhage following M. T. P. (Author).	Journal of Obst. & Gyn. India.
	Reproductive performance following Fothergill's Repairs. (Author)	Journal of Obst. & Gyn. India.
	Reproductive performance following Purandare's Cervicopexy (Author)	Journal of Obst. & Gyn. India.
Dr. V. R. Ambiyé.	Low Voltage electric current VS Epidosin in Accelerating labour (Co-author).	Journal of Obst. & Gyn. India.
	Brenner's tumor. (Co-author).	Journal of Obst. & Gyn. India.
	2nd Look Laparoscopy in previous sterilisation operations. (Co-author).	Journal of Obst. & Gyn. India.
	Endoscopy Aspiratory Cytology (Reliable test in Infertility work up). (Author).	Journal of Obst. & Gyn. India.
	Endoscopy sinus tumor (A case report) (Author).	Journal of Obst. & Gyn. India.
Dr. (Mrs.) R. N. Merchant,	Velethamate bromide far accelera- for acceleration of labour (Author)	Journal of Obst. & Gyn. India
	Intra-uterine Contraceptive devices.	Invited to participate in a symposium, 4th World Congress on Human Reproduction, Bombay, November 1983.
	S. Merchant's Copper Coil.	.. Read a paper—An adaptable IUD at 4th World Congress on Human Reproduction, Bom- bag, November 1983.
	Genital tuberculosis-Diagnosis and Management.	Invited speaker continuing Medical education programme organised by Bombay Obst. & Gyn. Society, Bombay, Oct. 1983
	Infertility.	Moderator panel discussion organised by Indian Medical Association. Mulund Branch, Bombay, September 1983.
	Utero-tubal junction its morphology and clinical perspective.	Invited to talk at the clinical meeting of Bombay Obst. and Gyn. Society, Bombay, February 1983.

Doctor.	Subject.	Particulars where published.
Dr. (Mrs.) R. N. Merchant.		Invited speaker and faculty member of laparoscopy course conducted by Association of Gynecological Endoscopist of India April 1983.
	Indications and Contraindications of Laparoscopy.	Gave a lecture to the course participants at Association of Gynecological Endos Copist India, April 1983.
	Clinico-pathological study of Fallope tube following transcervical injection of Quinacrine HCL.	Attended and read a paper at 4th World Congress on Human Reproduction, Bombay, November 1983.
	Comparative study of single spot low wattage bipolar cauterization V/S Fallope ring technique of female sterilisation.	Read a paper at 4th World Congress on Human Reproduction, Bombay, November 1983.
Dr. (Mrs.) R. N. Merchant. Dr. S. R. Prabhu. Dr. A. Chougale.	Utero-tubal junction-its morphological and clinical aspects.	Published in International Journal of Fertility Vol. 28, No. 4, 1983.
Dr. (Mrs.) R. N. Merchant.	Recent Advances-Ultrasound in Ob-Gyn.	Gave a talk-at Scientific meting of Indian Society of Medical Ultrasound Bombay, Jan. 1983. Vice-President of Indian Society of Medical- Ultrasound for 1983-84. Member of executive committee, Indian Society of Fertility & Sterility.
Dr. S. S. Thakur.		Attended the 2nd World Congress in Laparoscopy and Microsurgery in Washington D. C. (U.S.A.) Attended the 4th World Congress in Human Reproduction in Bombay and chaired a session.
Dr. S. S. Thakur		Attended the XXVII All India Conference of the Federation of the Obst. & Gyn. Societies of India, and was elected as a Senior Vice President.
Dr. S. B. Gokral.	Psycho sexual behaviour following Hysterectomy.	Read in National conference of Sexology Sea-Rock Hotel, Bombay, Nov. 1983.
	Plasma Vanadium levels in Oligospermic Males.	10th World Congress of Human Reproduction Bombay Nov. 1983.
	Intra Cervical injection of Hyalase to hasten cervical Ripening.	All India Obst. & Gyn. conference Madras, Dec. 83 and Published in Journal of Obst. & Gyn. of India.
	Electrical Stimulation of the Cerum to expedite labour.	Publchsed in Journal of Obst. & Gyn. of India.
4. Department of Paediatrics.		
Dr. (Mrs.) P. M. Pai. Dr. Kubchanandani. Dr. (Mrs.) S. M. Joshi.	Impact of Chronic parental illness leprosy on child.	20th National Conference of I.A.P., Pune
Dr. (Mrs.) S. M. Joshi. Dr. (Mrs.) R. Khanna. Dr. (Mrs.) P. M. Pai. Dr. Kubchandani.	Newer therapeutic regimes in empyema.	20th National Conference of Pune.

Doctor	Subject.	Particulars where published
Dr. (Mrs.) R. Khanna. Dr. (Mrs.) S. M. Joshi. Dr. (Mrs.) P. M. Pai.	Management of staphylococcal empyema.	20th National Conference of I.P.A., Pune.
Dr. Khubchandani. Dr. P. M. Pai. Dr. S. M. Joshi. Dr. B. R. Kalke.	Purulent pericarditis clinical profile and current management.	20th National Conference of I.A.P., Pune.
Dr. F. H. Udani Dr. J. M. Vora Dr. P. M. Pai.	Hepatic involvement in disseminated tuberculosis.	20th National Conference of I.A.P., Pune.
Dr. P.M. Pai.	Early detection of cerebral Palsy.	Workshop on Cerebral Palsy organised by spastic Society and NGJRF.
Dr. R. H. Udani. Dr. A. G. De ai. Dr. R. B. Patel. Dr. P. G. Samdani. Dr. S. Chetani.	Pregnastic evaluation of cytobiochemical changes in children with Pyogenic meningitis under treatment.	Published in Indian Journal of Pediatrics 50 : 507-510, 1983.
Dr. R. B. Patel. Dr. R. H. Udani. Dr. S. C. Desai. Dr. P. M. Shah.	Scabies and Nutrition.	Published in Medicine and Surgery 23 : 27-32, 1983.
Dr. R. H. Udani. Dr. A. G. Desai.	Follow up of cases of Poliomyelitis in relation to virus isolation.	Published in Medicine and Surgery, 23 : 9-11-, 1983.
Dr. Shyam Kagal. Dr. Anjali Joshi. Dr. Wilemeim Mansjou. Dr. R. H. Udani.	Clinicosocial conference on a child with intrathoracic tuberculosis in an under privileged community.	Published in Paediatric clinics of India, 18:138-142, 1983.
Dr. R. H. Udani.	Measles—A critical problem in India.	TONAMEC 1983, P—67-68.
Dr. R. H. Udani. Dr. J. M. Vora. Dr. P. M. Pai. Dr. S. R. Prabhu.	Hepatic involvement in disseminated tuberculosis.	Published in Indian Journal Paediatric, December 1983.
Dr. P. M. Pai.	Discussion.	National workshop on prevention of neonatal tetanus.
Dr. R.K. Anand	Infant feeding	Karnataka State Pediatric Conference.
	SMON in India	International Seminar on health, Safety and the Consumer, Japan
	Cade Advocacy.	South Asian conference on promotion of breast feeding.
Dr. (Mrs.) B.L. Barnes .. Dr. (Mrs.) P.M. Pai	A study of Munich functional development Scale.	14th Annual Conference of Clinical Psychologist, Mysore.
Dr. R. K. Anand.	Lactation and Birth Interval.	Seminar on Family Planning, Maharashtra State Council of Child Welfare.
	Health and nutrition problems of children in institutions.	Seminar on Destitute children, Pune.
	Comprehensive Health Care of the C. P. child.	Workshop on C. P. K. E. M. Hospital, Bombay.
Dr. S. M. Lokeshwar.		Workshop in neonatology (WHO-IND) Indore.
Dr. P. M. Pai. Dr. B. L. Barnes. Dr. P. M. Pai.	Patterns of Frustration Aggression among the neurotic children. Can Diphtheria occure in immunised children?	Published in Indian J. Clin. Psychol. 10:417, 1983. Published in Journal of Medicine and Surgery.

Doctor	Subject	Particulars where published
Dr. R. Udani.	Impact of knowledge of Anganwadi Workers on slum community.	Published in Indian J. Pediat. 50, 157-159, 1983.
Dr. R. Patel.		
Dr. A.G. Desai	Bilateral internal carotid artery occlusion.	A care report—published in Bombay Hospital Journal 25, 47-51, 1983.
Dr. R. H. Udani.		
Dr. R. Patel.		
Dr. P. G. Samdani.		
Dr. N. H. Sadaphule.		
5. Department of Anaesthesia.		
		Symposium on muscle relaxants in April 1983.
Dr. Divekar.	Use of Fibreoptic laryngoscopy in anaesthesia.	Annual conference of the Indian Society of Anaesthetists held at Bikaner in December 1983.
	Serum Cholinesterase in Infective Hepatitis.	Annual conference of the Indian Society of Anaesthetists held at Bikaner in Dec. 1983.
Dr. Bhagatwala.	Serial blood gas tension studies in Air-ether anaesthesia.	Annual Conference of the Indian Society of Anaesthetists held at Bikaner in December 1983.
Dr. Samtani.	Use of Xylocaine Marcaine mixtures in subarachnoid block.	Annual conferences of the Indian Society of Anaesthetists held at Bikaner in December 1983.
Dr. Nadgir.	Computerised Pulmonary function studies in Normal Indian subjects.	Annual conference of the Indian Society of Anaesthetists held at Bikaner in December 1983.
Dr. (Mrs.) V. M. Divekar.		Chaired a session on Anaesthesia in Cardiac Surgery.
Dr. V. M. Divekar. Dr. M. S. Kothari. Dr. B. M. Kamdar.	Anaesthesia in Turner's syndrome.	Published in Canadian Anaesthetists' Society Journal—Vol. 30 No. 4 P-417-419
Dr. V. M. Divekar. Dr. I. P. Kavadia. Dr. H. H. Raksha.	Haemangiomas of the airway—1983.	Published in Indian Journal of Anaesthesia 30 P-529.
6. Department of Gastroenterology.		
	Functional and histological abnormalities of small bowel mucosa in giardiasis with special reference to bile salt deconjugation.	Indian Journal of Medical Research : 1983 ; 77:239—244.
	Comparison of the effect of ordinary and microfinned aspirin on the DNA content of gastric aspirats.	Indian Journal of Medical Research : 1983; 77 : 261-264.
	Diabetes Insipidus presenting as lump in abdomen.	Indian Journal of Medical Sciences : 1983; 37 : 85-87.
	Ascitis.	Journal of Association of Physicians of India, 1983; 31-245-246.
	Persistent jaundice in a young female.	Journal of Association of Physicians of India, 1983; 31 : 309-310.
	Lactulose or lactose in Hepatic Encephalopath.	Indian Journal of Gastroenterology, 1983, 2;7.

Doctor.	Subject.	Particulars where published.
	Cimetidine in the treatment of duodenal ulcer.	Indian Journal of Gastroenterology, 1983, 2 : 71.
	Update in Gastroenterology.	New Delhi—August 1983.
	Intragastric noradrenaline in acute gastric erosions.	Plenary Session paper presented at the Annual Conference of Indian Society of Gastroenterology Hyderabad October 1983.
	Ulcerative colitis	Panel discussion, Bombay August 1983.
7. Rheumatology and Immunology Clinic		
	Cryoglobulin studies in Rheumatic disorders.	Paper presented at Annual Conference of Association of Clinical Biochemists of India, Cuttack, December 1983.
Dr. V. R. Joshi. Dr. R. F. Almeida.	Antinucler antibodies of Medicine.	JAPI 1983, Vol. 31, 101-106.
Dr. V. R. Joshi. Dr. A. R. Chogle.	Big painful knees.	Post Graduate Clinic, JAPI, 1983, Vol. 31, 371-377.
Dr. V. R. Joshi. Dr. R. F. Almeida.	Immune Therapy of Rheumatoid arthritis.	Update articles, JAPI, 1983, Vol. 31, pg. 725-728.
Dr. V. R. Joshi. Dr. Mike Ahern. Dr. A. S. J. Dixon.	Lymphatic varices in blocked fistulous rheumatism.	Clinical rheumatology, 1983, 2 : 179-182.
Dr. M. Mola. Dr. A. E. Gharavi. Dr. V. R. Joshi. Dr. B. M. Patel. Dr. C. B. Colaco. Dr. G. R. V. Hughes.	Enhancement of cryoprecipitation from hypotonic serum—a comparative study in patients with connective tissue diseases.	Clinical and Experimental Rheumatology 1983, 1,35.40.
Dr. V. R. Joshi. Dr. G. R. V. Hughes.	Panniculitis in SLE.	Post Graduate Doctor, 1983, 5 : 24-25.
8. Department of Plastic Surgery.		
Dr. S. M. Mahaluxmivala		Attended the International Plastic Surgery Conference at Montreal in June 1983.
		Attended and chaired a session and was Guest Speaker at 18th National Conference of Association of Plastic Surgeons of India at Darjeeling in May 1983.
		Attended the 43rd Annual Conference of Plastic Surgeons of India at Madras and chaired a Session.
		Elected President of the Association of Plastic Surgeons of India for 1984.
Dr. S. M. Mahaluxmivala. Dr. Ashok Shah.	Burns shock.	At National Conference of burns at Madras and also chaired as Session—at the burns conference.
Dr. N. J. Pandya		Attended the International Conference of Plastic at Montreal and Chaired a Session.
		Attended the 43rd Annual Conference of Association of Plastic Surgeons of India at Madras.

Doctor	Subject	Particulars where published
Dr. Ashok Shah.	Electrical burns.	Participated in 43rd Annual Conference of Plastic Surgeons of India at Madra and presented a paper at National Conference of Burns at Madras.
9. Endocrinology Department.		
Dr. S.M. Shahani Other staff members.		Invited at World Congress on Clinical Pharmacology and therapeutics in August 1983, at Washington.
		Invited for a workshop on Infertility at Baroda in September 1983.
		Invited for 4th World Congress of Reproduction in November 1983 at Bombay.
Dr. S. M. Shahani.	Clinical responses and safety data in women treated with procened HCG TT vaccine.	Paper presented at World Congress on Clinical Pharmacology and therapeutics on 1-8-1983.
	Ovarian factors with induction of ovulation.	Lecture given at Infertility workshop at Baroda on 18-10-1983.
	Growth Hormone.	Lecture given at Bombay Hospital on 27-10-1983.
	Male infertility.	Lecture given at Bombay Hospital on 21-10-1983.
	Clinical responses and safety data in women treated with procened HCG TT vaccine.	Paper presented at 4th World Congress of Reproduction on 26-11-1983.
	Hyperprolactinaemia in cases of ovulatory disorders and infertility.	Presented at 4th World Congress of Reproduction on 29-11-1983.
	Clinical Pharmacology and safety data in women treated with Pr-B-HCG-TT vaccine.	Journal of Obstetrics and Gynaecology of India—33-159, April 1983.
	Effect of Intra vasal Copper wire on fertility and reproductive organs in the rat.	Indian Journal of Medical Research 77, April 83, pp. 465-471.
	Effect of 50 mg. ethinyl estradiol on lipid factors and liver function test.	Journal of Obstetrics and Gynaecology of India. 33: 434. 1983.
	Clinical and endocrine evaluation in cases of Precocious Puberty.	Journal of Obstetrics and Gynaecology of India. 33: 532. 1983.
10. Department of Preventive and Social Medicine		
Dr. N.P. Pai	Study of knowledge attitude and practices about S.T.D. in urban slum community.	Presented at VIIth National Conference on I. A. S. S.T.D. in February 1983.
	Study of Child Labour in Dharavi Slums.	Presented at XXXI Annual Convention of Indian Association of Occupational Health Bombay Branch in March 1983.
	Parasitic infestation in children	Journal of General Practice Volume X No. 5th October 1983.
	Study of problems of Child labour in Dharavi slums.	Indian Journal of Occupational Health Volume XXVI No. 4 April 1983.
	Study of knowledge attitude and practice study about S.T.D. in urban slum community.	Indian Journal Sexually Transmitted diseases 1983 4 31-34.
	Written articles on Air Pollution Water Pollution Noise Pollution.	Magazine 'Body and Beauty Care' December 1983 and January, 1984 issues.

Doctors	Subject	Particulars Where Published
Dr. P. Subramanian		Co-opted as member of the Board of Studies in Medicine and Allied subjects Bombay University.
	Child rearing practices in Bombay Slums.	At XIII National conference of IAPSM at Lucknow.
Dr. P. Subramanian	Jaundice.	Gave a Radio talk in Wonderland Programme broadcast on 13-5-1983.
	Nutrition Education for Better Health during next decade.	Attended a Workshop organised by "Nutrition Society of India" on 31st March 1983 at Jaslok Hospital.
	Quiz on Monsoon Ailments.	Science Age August 1983; Vol. No. I page 59.
		Contributed to preparation of handouts on 'Health Education for Balwadi Teachers' held by Central Health Board of Prince Aga Khan from 3rd to 8th October 1983 at Bombay.
Dr. Vijaya A. Naik	Nutrition education for better health during next decade.	Participated in a workshop organised by Nutrition Society of India on 31-3-1983 at Jaslok Hospital.
	Women and Health.	Delivered lecture at Angana Ladies Club at Kempd's Corner.
	Social dimensions of leprosy.	Attended a symposium organised by Hind Kusht Nivaran Sangh at Bombay on 23-7-1983. Poster presentations on knowledge and attitudes towards Leprosy in different section of the population at XIII Biennial Conference of the Indian Association of Leprologist held in Bombay on 18-11-1983.
Dr. Radha Y. Aras.		Attended XIIIth National Conference I.A.P.S.M. at Lucknow 3-5th January 1983. Rapporteur for Scientific session on Non-communicable diseases.
	Impact of oral rehydration and feeding advice in control of childhood diarrhoeas.	Read a paper.
Dr. Radha A. Aras		Participated in Seminar on Problems of Public Health in Metropolitan Cities with particular reference to Greater Bombay 9-11th March 1983.
	Medical termination pregnancy in Adolescent Girls.	Read a paper.
	Gas and indigestion.	Radio talk on 4-3-1983.
	Women's Health.	Radio Talk on 6th April 1983. (Kokani and Marathi).
	Child Psychology.	Radio talk on 3rd June 1983 (Kokani).
	Why not to have children after the age of 30.	Radio talk on 10th August 1983 (Marathi).
	Mentally Handicapped.	The Journal of the Association of Medical Women in India Vol. LXXII No. 3 (51-62) September December 1982.
	Impact of Oral Rehydration and feeding advice in Control of Childhood Diarrhoeas.	Proceedings of XIII National Conference IAPSM 3-5th January (Page 70-71) 1983.
	Hospital admissions in the aged. A Retrospective Study.	Indian Journal of Community Medicine Vol. VIII No. 3 (Page 11-16) September December 1983.

Doctor	Subject	Particulars where published
Dr. D.D. Pandit.	Health education through game.	Read at 27th Annual Conference of Indian Public Health Association at Nagpurai January 1983).
Dr. D.D. Pandit Dr. Vijaya A. Naik	Knowledge and attitude towards leprosy in different sections of the population.	Poster presentation at XIII Biennial conference of the Indian Association of Leprologists (November 1983), Bombay.
Dr. Daksha D. Dixit		Talk on different aids in Health Education in a Workshop for Balwadi teachers of Gujarat organised by H. H. Agakhan Trust at Bombay.
Dr. D.D. Pandit	Health problems in elderly females	Swastha Hind Volume No. XXVII Nos. 5 (1983) Page No. 100 to 107.
	Storage of vaccines Cold Chain system.	Maharashtra Medical Journal Vol. XXIX No. 71 Serial No. 343 (1962) Page No. 183 to 184.
Dr. D.D. Pandit Dr. Saroj S. Jha	Tobacco smoking and its relation to respiratory tract infection.	Lung India Vol. 1 No. 6 (1983) No. 241 to 243.
Dr. Saroj S. Jha Dr. D.D. Pandit	Health Education through game.	Souvenir Indian Public Health Association Annual Conference (1983) Nagpurl.

11. Department of Cardiovascular and Thoracic Surgery

Dr. B.R. Kalke		Attended the 43rd Annual meeting of the Association of Surgeons of India and chaired various sessions and participated actively in discussion in various papers.
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12. Ophthalmology Department

Dr. Mrs. G. Murthy	Nutritional Causes of Blindness.	Gave a talk at the symposium on "Prevention and Care of the blind" organized during the 40th Bombay Medical Congress.
		Invited by the Directorate of Health Services Maharashtra State to conduct the Eye Camp at Thana in December 1983.
	Bilateral Descemet's Wrinkles in Acute Gastroenteritis.	Sent a paper to the Indian Journal of Ophthalmology.
Dr. Dikshit		Attended conference at Nepal in October 1983.
Dr. P.A. Dikshit Dr. A.R. Patel.	Intra Ocular Lens	Attended International conference at Bombay.
Dr. Mrs. Y.P. Chibber	Intra Ocular Lens	Attended the workshop held at Jaslok in October 1983.
Dr. Sanghavi D.J.		Participated in the workshop on Diseases of the Lens and Cataract at R.P. Centre of Ophthalmic Services at New Delhi in February 1983.

13. Department of Dermatology and Venereology

Symposium on Systemic Disorders and Skin.
Skin and Diabetes.
Xanthomatosis in children.

Doctor	Subject	Particulars where published
14. E.N.T. Department		
Dr. A.G. Pusalkar		Attended All India Conference of Otolaryngologists of India held at Trivendrum.
		Held Chairmanship in the Scientific Session.
	Annular Cholesteatoma	Paper read and taken part in the Panel discussion on Facial Paralysis.
		Attended 4th Maharashtra State Conference held at B.Y.L. Nair Charitable Hospital.
		Moderator for a quiz programme.
		Attended IInd Advanced Course of Head and Neck Surgery conducted by Dr. L.H. Hiranandani at B.Y.L. Nair Charitable Hospital Bombay.
Dr. N.L. Hiranandani		Attended All India Conference of Otolaryngologists of India and delivered a lecture in C.M.E. Programme on "Surgery of Acoustic Neuroma".
		Attended 4th Maharashtra State Conference held at B.Y.L. Nair Charitable Hospital.
		Attended IInd Advanced Course of Head and Neck Surgery conducted by Dr. L.H. Hiranandani at B.Y.L. Nair Charitable Hospital.
Dr. D.S. Grewal	Traumatic perilymph fistulae of Round and Oval Windows.	Attended and paper read at All India Conference of Otolaryngologists of India held at Trivendrum.
		Co-Chairman of one of the Scientific Session.
		Attended IInd Advanced course of Head and Neck Surgery conducted by Dr. L.H. Hiranandani at B.Y.L. Nair Charitable Hospital.
Dr. B.K. Sharma	E.N.G. Studies in diabetic	Attended and paper read at All India Conference of Otolaryngologists of India held at Trivendrum.
		Attended 4th Maharashtra State Conference held at B.Y.L. Nair Charitable Hospital Bombay.
Dr. (Smt.) J.R. Desai	Unusual case of Bullet injury	Attended and paper read at 4th Maharashtra State Conference held at B.Y.L. Nair Charitable Hospital.

Doctor	Subject	Particulars where published
Dr. (Smt.) J.R. Desai		Attended IInd Advanced Head and Neck Surgery Course conducted by Dr. L.H. Hiranandani at B.Y.L. Nair Charitable Hospital.
Dr. D.D. Shah	An unusual case of tubercular otitis media.	Attended and paper read at All India conference of Otolaryngologists of India held at Trivendrum.
	Treatment of advance malignancy with chemotherapy.	Attended and paper read at 4th Maharashtra State conference held at B.Y.L. Nair Charitable Hospital Bombay. Attended IInd Advanced Course of Head and Neck Surgery conducted by Dr. L.H. Hiranandani at B.Y.L. Nair Charitable Hospital Bombay .
Dr. C.A. Bhatt	An unusual case of Antra chornial polyp.	Attended and paper read at All India Conference of Otolaryngologists of India held at Trivendrum.
	An unusual case of Carnevous Haemengioma of the Nose.	Paper read and Attended 4th Maharashtra State Conference held at B.Y.L. Nair Charitable Hospital, Bombay. Attended IInd Advanced Head and Neck Surgery Course conducted by Dr. L.H. Hiranandani at B.Y.L. Nair Charitable Hospital, Bombay.
Dr. A.G. Pusalkar	Paraganglioma of tympanic membrane.	Under publication in British J. L.O.
Dr. N.L. Hiranandani	Meniere's Syndrome.	Under publication in Indian J.L.O.
Dr. D.D. Shah	An unusual case of tuberculous otitis media.	Under publication in Indian J.L.O.

15. Radiology Department

Dr. A.G. Naik		Invited to conduct a Seminar on Ultrasonography at Pondichery organised by University Grant Commission.
	Predictive value of Ultrasonography in 1st Trimester bleeding.	4th World Congress on Human Reproduction Bombay. Given a talk on Ultrasound to the consultants of Kolhapur on 13th November 1983.
Dr. G.R. Jankharia.		Attended Ultrasonic Medical Education at New Delhi. Participated in Teaching Programme at Hyderabad and given a talk on Radiology of Spinal trauma and Recent advances in Contrast Media.
	Recent advances in Contrast Media.	Maharashtra State Radiological Conference at Bombay.

Doctor	Subject	Particulars where published
16. Department of Pathology.		
Dr. S. R. Prabhu.	Histopathology of placenta in Rh isoimmunisation.	Indian Journal Pathology —Microbiology 26 : 81—83, 1983.
	Morphological and Clinical aspects of utero-tubal junction Int. J. Fertility.	28 : 119, 1983.
Dr. S. R. Prabhu.	Hepatocellular carcinoma—study of 74 cases.	Paper presented at Regional IAPM Sept. 1983.
	Histopathological study of placenta in viral hepatitis.	At Annual Conference of IAPM December 1983.
Dr. N. K. Bahal. Dr. S. R. Prabhu.	Adamantinoma of Aumerus.	Journal of Applied Medicine, September 1983.
Dr. N. K. Bahal.	Mucus-secreting adenocarcinoma of colon in the under 35 years age group.	At the Annual Conference of IAPM at Nagpur, January 1984.
Dr. Z. S. Bharucha.	Blood component Therapy in Hemophilia.	Hemophilis Task Force meeting I. C. M. R., New Delhi. A key note address on role of blood banks in Hemophilia Therapy Hemophilia Seminar arranged by Indian Society of Hematology and Blood transfusion—Lucknow.
	Blood component Therapy.	An overview Ind. J. Hemat.
	Blood transmissible Diseases.	Symposium on Blood Transfusion arranged by Bombay Hematology Group.
	Blood banking a medical speciality 6 & 7.	Annual conference of Ind. Society of B. T. & I. H. Rohtak.
	Application of cell separator machines.	To be published in News Bulletin of Institute of Immunohematology—ICMR.
	Problems in blood transfusion services.	Meeting of the subgroup for formulating a plan for 7th five year commission DGHS, New Delhi.
	Syndrome of convulsions and subarachnoid hemorrhage in a thalassemic patient following blood transfusion.	A case report Bombay Hematology groups annual conference.
17. Department of Microbiology.		
Mr. M. G. Kulkarni.	Antibiotic Susceptibility of N. gonorrhoea.	Indian Journal of Sexually Transmitted Diseases.
	Microbiological study of vaginal Discharge.	Presented at West End Hotel in IASSTD Conference. Participated in pannel discussion of OBG conference in Oberoid House on STD in females.
Dr. (Mrs.) P. R. Mehta.		Attended and participated in the National Workshop on Amoebiasis at Maulana Azad Medical College, New Delhi from 21-3-1983 to 26-3-1983. Attended the First Maharashtra Chapter conference of IAPM at J. J. Hospital, Bombay on 24th and 25th Sept. 1983.

Doctor	Subject	Particulars where Published
Mrs. Manita Williamson	Salmonella meningitis in children.	Journal of Indian Association of Communicable diseases, Oct. 1983.
Mrs. S. . Despande.	Systemic 'Histoplasmosis'.	Attended and presented case report in the First Maharashtra Chapter Conference of IAPM at J. J. Hospital of, Bombay on 24th and 25th Sept. 1983.
Dr. Sumedha Sahni.		Attended 6 days' workshop on Streptococcal infections and their immunological aspects and their Sequelae (I. C. M. R.—W. H. O.) at Lady Hardinge Medical College, New Delhi, 28-2-1983 to 5-3-1983.
		Attended one day Seminar on 'Rabies' sponsored by the Serum Institut of Coona, held at the Bombay Veterinary College in September 1983.
D. Sumedha Sahan.		Attended the First Maharashtra Chapter Conference of the IAPM held at J. J. Hospital on 24th and 25th September 1983.
	C. J. A. I & II in Escherichia coli. isolated from cases of Diarrhoea.	At the 7th National Congress of Indian Association of Medical Microbiologists, Solapur, from 12-11-1983 to 14-11-1983.
Miss Unnati Vasa.		Attended the First Maharashtra Chapter Conference of IAPM at J. J. Hospital on 24th and 25th September 1983.
18. Department of Pharmacology.		
Dr. S. R. Amladi.	Drugs in obstetrics.	Gave lecture in the department of Obst. & Gyn.
	Perspectives in Psychopharmacology.	Gave lecture in the Department of Psychiatry.
	Indian Ethnobotany.	Gave lecture in the department of Pharmacology, Grant medical College.
		Attended the IX Annual Conference of the Pharmacologists of Maharashtra held in the Medical College, Aurangabad on 29th and 30th August 1983 and was chairman of one session and was on the panel of judges to select three best papers.
Dr. D. A. Joseph.	Nephrotoxicity of drugs.	At the International Conference on Hypertension and Nephrology at Ahmedabad in January 1983.
	Recent Advance in the treatment of Diarrhoeal diseases.	At the update session in Tropical Diseases held at Cuttack during the Joint Annual Conference of Association of Physicians of India in January 1983.
		Co-chairman of a Scientific session at the Maharashtra Pharmacologists Conference at Aurangabad in August 83.

Doctor.	Subject.	Particulars where published.
Dr. D. A. Joesph.		Invited by the Southern Regional Conference of the Association of Physiologists to Speak on 'Clinical Pharmacological Evaluation of Drugs' at Bangalore in August 1983. Delivered a talk on 'Pharmacological Aspects of Anabolic Steroids' under the auspices of All India College of General Practitioners at Bombay in June 1983. Participated in the National Symposium on Adverse Reactions to Drugs at New Delhi under the auspices of Department of Science and Technology in October 1983.
	Plasma Vanadium levels in Sterility patients.	At the World Congress on Fertility and Sterility in November 1983 in Collaboration with the Department of Obstetrics and Gynaecology and Institute of Science, Bombay. Participated in the Symposium on Adverse Drugs Reactions at the Dr. B. C. Roy Centre for Post-graduate Studies at Calcutta in November 1983. Member of the Scientific Committee of the XIVth Annual Conference of Indian Pharmacological Society at Ajmer in December 1983. Attended and participated in the Maharashtra Contact Dermatitis Symposium at Bombay in December 1983, organised a Balwadi at the Childrens Clinic of the Urban Development Centre at Deonar under the Integrated child development scheme.
Dr. (Mrs.) S. A. Desai.		Attended a training programme in Radioimmunoassay and its clinical application at B. A. R. C. Bombay in the month of April 1983, and started the RTA of a few hormones in the Isotope division of department of Pharmacology, T.N. Medical College, Bombay 400 008.
Dr. (Mrs.) S. A. Desai.		Attended the IX Annual Conference of the Pharmacologist of Maharashtra held in the Medical College Aurangabad on 29th and 30th August 1983.
Dr. (Mrs.) S. R. Melgiri.		Attended a course in clinical application of the nuclear medicine conducted by Directorate General of Health Services at Delhi and Bombay in the month of June 1983. Attended the IX Annual Conference of the Pharmacologists of Maharashtra held in the Medical College Aurangabad on 29th, 30th August 1983.
Dr. S. N. Rao. Dr. V. G. Murkibhavi.		Attended the IX Annual Conference of Pharmacologists of Maharashtra held in the Medical College of Aurangabad on 29th, 30th August 1983.
19. Department of Physiology.		
Dr. V. S. Bhatt.	Teaching Physiology, Trends and tools.	Published by All India Institute of Medical Sciences New Delhi Section II : 5 p p. 33-43. 1983
20. Department of Tuberculosis and Chest Diseases.		
Dr. G. S. Perhar.	Primary Carcinoma of the lung.	National Conference on T. B. & Chest Diseases Goa.

APPENDIX X

Serial No.	Description of activity.	Actuals	Budget	Revised	Budget
		1982-83	Estimates	Budget	Estimates
		Rs.	Rs.	Rs.	Rs.
1	General Administration and Supervision.	77,00,705	95,16,290	97,89,250	1,21,49,450
2	Medicine Department ..	62,12,825	77,30,370	78,30,370	99,20,260
3	Surgery Department ..	54,86,230	67,30,530	68,30,530	90,12,250
4	Obst. & Gyn. Department ..	24,16,324	27,10,705	28,60,705	32,34,250
5	Paediatric Department ..	16,02,140	19,80,890	20,90,890	25,00,890
6	Premature Baby Ward ..	Reflected in Gynaecology Department.			
7	Radiology Department ..	19,50,620	21,10,050	22,15,000	26,15,050
8	Pathology and Bacteriology Department.	9,55,250	11,75,200	12,85,200	15,02,230
9	Casualty	Shown under Medicine Department.			
10	Orthopaedic Department ..	19,10,340	22,80,380	23,90,380	26,47,260
11	Aural (ENT) Department ..	14,91,815	15,10,750	16,20,750	18,20,750
12	Ophthalmology Department..	10,61,316	11,76,560	12,86,560	15,15,350
13	Skin and V. D. Department ..	11,18,622	12,55,020	13,85,020	16,85,470
14	Blood Bank	5,76,118	6,25,800	6,35,800	7,50,150
15	Neurology Department ..	13,18,170	16,10,000	16,90,000	25,40,000
16	Urology Department ..	..	..	..	..
17	Pharmacy Department ..	15,14,220	17,56,860	18,86,860	21,20,850
18	Audiology and Speech Therapy Department..	1,16,512	2,77,960	2,50,164	2,92,670
19	Psychiatry Department ..	9,58,416	11,31,260	11,92,260	13,25,860
20	Biochemistry Department ..	..	..	..	..
21	Physiotherapy Department ..	2,41,318	3,35,300	3,30,300	3,95,300
22	Occupational Therapy Department.	3,05,140	4,05,400	3,95,400	4,55,400
23	Immunization Centre. ..	..	..	..	..
24	Gastroenterology Department	2,10,420	3,15,230	3,20,230	3,75,230
25	Mobile Health Unit ..	Department not existing			
26	Dental Clinic	Department not existing.			
27	T.B. Observation ..	7,60,422	8,11,260	9,21,260	9,10,260
28	Neuro Surgery Department ..	3,50,110	4,30,260	5,40,260	5,06,260
29	Plastic Surgery Department ..	1,90,750	2,47,025	2,50,025	2,95,020
30	Cardiac (Medicine) Department.	6,92,610	7,00,320	8,20,320	8,60,320
31	Thoracic Surgery Department	..	..	..	..
32	Paediatric Surgery Department	1,50,150	1,91,920	1,95,920	2,30,920
33	Artificial Kidney Department	2,20,195	2,10,500	2,18,500	2,36,500
34	Diabetic Clinic	1,54,115	1,43,000	1,45,000	1,60,000

APPENDIX X—Conold.

Serial No.	Description of activity.	Actuals 1982-83	Budget Estimates 1983-84	Revised Budget Estimates 1983-84	Budget Estimates 1984-85
		Rs.	Rs.	Rs.	Rs.
35	Genito Urinary Department	1,53,218	1,60,000	1,65,000	1,90,000
36	Nursing School	1,05,110	1,65,260	1,70,260	1,98,000
37	Anaesthesiology Department	8,96,240	9,55,150	10,65,150	11,30,150
38	Intensive Care Unit ..	4,39,340	4,52,700	4,50,700	5,52,700
39	Paediatric centre at Reay Road.	53,818	7,50,220	58,220	58,220
40	Kamathipura Teaching Centre	47,109	9,07,080	8,15,372	14,49,850
41	Souter Street Clinic ..	..	2,29,000	..	2,29,000
	Total ..	4,13,59,688	5,09,88,250	5,21,01,706	6,38,65,870

**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	...	...	...	...	Rs. 4,10,67,509.83
	2.	On Out-patients	...	...	...	...	„ 78,57,007.17
	3.	Total Expenditure (Excluding New work)	...	...	...	...	„ 4,89,24,517.00
	4.	On New works	...	...	...	...	„ Nil
(B)	1.	Average cost per In-patient per day	...	...	...	...	„ 87.81
	2.	Average cost per Out-patient per day	...	...	...	...	„ 36.47

II.—RESULTS :—**(A)—IN-PATIENTS :—**

1.	Schedule bed strength	...	...	...	...	...	1,048
2.	Daily average In-patients in wards (including Sarvodaya & Dharavi Urban Health Center Paediatric Wards)	...	...	...	...	...	1,281
3.	Admissions including those brought over from previous year and Dharavi Urban Health Centre.	...	...	...	...	...	51,490
4.	Number of patients discharged as						
	(i) Relieved	...	...	...	...	...	33,598
	(ii) As Cured	...	...	...	...	...	7,412
	(iii) Otherwise	...	...	...	...	...	5,134
	(iv) Expired	...	...	...	...	...	4,222
	(v) Remained in the Hospital on the last day of the year	...	...	...	...	...	1,134
	(vi) Daily average number of admissions	...	...	...	...	...	138
	(vii) Average stay of In-patients (Days)	...	...	...	...	...	9
	(viii) Highest admissions on a single day	...	...	...	...	...	205

(B) OUT-PATIENTS :—

1.	New Out-patients attendance including Dharavi Urban Health Centre Paed. Ward.	...	...	...	...	...	2,15,421
2.	Daily average number of new Out patients	...	...	...	...	...	706
3.	Highest O. P. D. attendance on a single day	...	...	...	...	...	998
4.	Number of Casualty attendance (Medico-Legal)	...	...	...	...	...	25,268

(C)	1.	Operations on In-patients	...	...	...	...	21,664
	2.	Operations on Out-patients	...	...	...	...	28,033

(D) CONFINEMENTS :—

1.	Booked Cases	...	...	...	...	...	4,112
2.	Emergency Cases	...	...	...	...	...	2,896
3.	Normal	...	...	...	...	...	5,854
4.	Abnormal	...	...	...	...	...	1,154
5.	Neonatal and Maternal Deaths						
	(i) Maternal Deaths	...	...	...	...	...	24
	(ii) Still Births	...	...	...	...	...	233
	(iii) Perinatal Deaths	...	...	...	...	...	411
	(iv) Neonatal Deaths	...	...	...	...	...	178

III—SPECIALISED TREATMENTS :—

1. Admissions in Resuscitation Ward	...	...	...	...	2,068
2. Sterilization					
(i) Male	55
(ii) Female	1,049
(iii) I. U. C. D. Inserted	166

IV—RADIOLOGY :—

1. X-Rays taken	1,07,243
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V—BLOOD BANK :—

1. Blood samples collected from :—					
(i) Voluntary Donors	3,870
(ii) Relative Donors	2,935
(iii) Other Hospitals...	...	...	...	...	1,235
2. Bottles supplied	...	...	...	...	5,750

VI—SCHOOL CLINIC :—**(A) Number of School Children treated :—**

1. New Cases	...	...	...	...	2,159
2. Repeat cases	...	...	...	...	16,712
3. Referred cases	...	...	...	...	224

(B) EXPENDITURE ON CLINIC**VII—PHYSIO-THERAPY**

1. Out-patients treated	...	...	...	...	11,493
2. Number of treatments given	...	...	...	...	70,314
3. In-patients treated	...	...	...	...	20,393
4. Number of treatments given	...	...	...	...	1,04,525

VIII—OCCUPATIONAL THERAPY

1. Out patients treated	...	...	...	...	19,167
2. Number of treatments given	...	...	...	...	1,47,907

IX—MEDICO SOCIAL SERVICE DEPARTMENT :—**(A) Direct Service :**

Number of cases handled on case work level and other long term cases ... 4,866

(B) Medical Aid :

Number of patients given medicines in OPD .. 34,319

(C) Service to deaf School :

There were 130 children on the roll.

I—COLLEGE :—**1. ANNUAL EXPENDITURE AND REVENUE :—**

(A) 1. Expenditure including expenditure on hostel	...	...	...	...	1,73,27,565.00
2. Revenue from tuition fees, Hostel Rent & Miscellaneous Receipts	...	...	...	...	2,27,906.00
3. Revenue from post-graduate fees	...	...	...	...	63,275.00
(B) Income from Hostel	...	...	...	...	22,410.00
(C) 1. Gross Cost per student	...	...	...	...	36,402.00
2. Net cost per student	...	...	...	...	35,923.00

2. STUDENTS :

(1) On roll as on 31st December 1983 803
 (2) Number of Students Classwise.

	Boys	Girls	Total
Ist M.B.B.S.	60	54	114
IInd M.B.B.S.	89	58	147
IIIrd M.B.B.S.	61	66	127
Post-Graduates on roll as on 31-12-1983	198	129	327
INTERNS—			
Total No. of interns as on 31-12-1983	58	30	88
Total	466	367	803

The Lokmanya Tilak Municipal General Hospital has completed 36 years of its existence rendering medical relief to the sick and injured in this year and the Lokmanya Tilak Municipal Medical College has completed 19 years of imparting medical education to the students for undergraduate studies and 6 years of giving postgraduation education in various degree diploma courses of the University of Bombay including Super Speciality degree like D.M. and M.Ch.

The college has been given affiliation by the University of Bombay upto 18th June 1984. The Medical Council of India has recommended this college for award of M.B.B.S. degree and post graduate degrees. The University of Bombay will be visiting this institution in the month of April 1984 for further continuation.

Dr. B.R. Kalke, Dean, is on leave since 25th August 1982 and Dr. N.A. Dabholkar, M.D., Professor and head of the Department of Physiology is holding the post of Dean IIC since 25th August 1982 to 31st July 1983. Dr. J.V. Bhatt, Dean, took the charge from 1st August 1983.

Dr. (Smt.) H.P. Rebello is continuing as Assistant Dean.

The list of Head of the Department as on 31st December 1983.

Serial No.	Name	Qualifications	Designation
1	Dr. J.V. Bhatt	M.D.	Dean.
2	Dr. N.A. Dabholkar	M.D.	Dean IIC (From 25-8-1982 to 31-7-1983).
3	Shri F.R. Billimoria	M.Sc. (Biochem)	Professor of Biochemistry.
4	Dr. K.P. Deodhar	M.D.	Professor of Pathology.
5	Dr. (Mrs.) L.P. Deodhar	M.D.	Professor of Microbiology.
6	Dr. H.L. Dhar	M.B.B.S., Ph.D.	Professor of Pharmacology.
7	Dr. (Mrs.) S.P. Cuchelkar	M.D.	Professor of Forensic Medicine.
8	Dr. (Mrs.) Gopa Kothari	M.B.B.S., M.D. (Paed.) M.D.IPSM	Professor of P. & S.M.
9	Dr. M.V. Divekar	M.D.	Professor of Medicine.
10	Dr. M.J. Gandhi	M.D.	Hon. Professor of Cardiology.
11	Dr. S.V. Nadkarni	M.S.	Professor of Surgery.
12	Dr. A.P. Chaukar	M.S.	Professor of Cardio Vascular and Thoracic Surgery.
13	Dr. B.J. Damani	M.S.	Hon. Professor of Neuro Surgery.
14	Dr. A.D. Dias	M.S.	Hon. Professor of Plastic Surgery.
15	Dr. S.D. Bapat	M.S.	Hon. Professor of Urology.
16	Dr. (Mrs.) P.R. Vaidya	M.D.	Hon. Professor of Obst. and Gyn.
17	Dr. V.B. Athavale	M.D.	Hon. Professor of Paediatrics.
18	Dr. V.R. Mehta	M.B.B.S., D.V.D.	Hon. Professor of Skin and V.D.
19	Dr. (Mrs.) D.A. D'souza	M.B.B.S., D.P.M.	Hon. Professor of Psychiatry.
20	Dr. S.S. Vengsarkar	M.S.	IIC. Hon. Professor of Orthopaedic.
21	Dr. K.C. Gadre	M.S.	Hon. Professor of E.N.T.
22	Dr. S.M. Sathe	M.S.	Hon. Professor of Ophthalmology.
23	Dr. S.H. Pantvaidya	M.D.	IIC. Professor of Anaesthesiology
24	Dr. S.M. Shanbhag	M.D.S.	IIC. Professor of Dental Surgery
25	Shri S.T. Bhat	M.Sc. (O.T.)	Head Occupational Therapist.
26	Mrs. B.V. Bellare	B.Sc.	Head Physiotherapist.

Admissions :—The admission capacity of students admitted for M. B. B. S. course at this institution is 100 per year. The number of students on roll as on 31-12-1983 was 476 and that of Post-graduate students was 327. These are 5 students under Dr. Dhar doing Ph. D. in Pharmacology. 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 subject in June term every year.

- M. Sc. (Biochemistry) by papers 10 students.
- M. Sc. (Biochemistry) by Research 5 students.
- M. Sc. (Microbiology) by Research 5 students.
- M. Sc. (Animal Physiology) by Research 5 students.
- M. Sc. (Occupational Therapy) 5 students.
- M. Sc. (Physio Therapy) 5 students.

Educational Activities ;—Besides regular teaching programme monthly scheduled meetings and clinical Cardiology conferences were held regularly. Scientific and educational films were shown to the staff and students. Specialised training is imparted to student at other institution in cardiology of Enterogastroscopy.

Interns ;—Graduates from University other than Bombay University are allowed to undergo Internship training at the attached L. T. M. G. Hospital to the extent of 20 per year. From June 80 term, these interns are charged Rs. 100 for every 3 months of training. B. Pharm D'Pharm students are given training of 750 hours in Pharmacy to a maximum capacity of six students at a time. No. fees are charged.

Results of undergraduate and post-graduate students, the prizes won by the students and those who stood first in the examination are shown in the appendix No. I-A, I-B & VII.

We are conducting competitive Examinations in the subject of Anatomy, Physiology, Pharmacology, P. S. M., Medicine, Surgery, Obst. and Gyn. and E. N. T. every year for the students of I, II and III M.B.B.S. students. The winners of the exams are given cash prizes and merit certificates from the interest of the donations 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 IV. A competitive examination in Ophthalmology (Practical exam.) for regular batch or casual batch interns is started from August 1983. Named as 'Dr. Sathe's prize in Ophthalmology.' Cash prize is given to intern judged as first.

A separate Committee of Students manages the students cultural and sports 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 Nov. 1982 term onwards.

Research Society : The staff and Research Society is functioning in this institution since August 66. It is registered under the Societies registration Act. and Public Trust Act.. Medical Officers working in this institution including Hon. Prof. Hon., Assistant Prof. and Full time Medical Officers upto the level of tutors and Demonstrators are the members of the Society. Annual subscription for each members is Rs. 25/- per annum. Total No. of membership as on 31st Dec. 1983 is 195.

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 amount of Rs. 70 per term 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, 274 books have been added to the collection totalling to 14513 books. The library has subscribed to 300 Titles of Journals. The budget grant sanctioned for Library from L. T. M. M. College is Rs. 1,50,000.00 and that from L.T.M. G. Hospital is Rs. 2,50,000.00

Annual Cost and Revenue :—The total expenditure of college amounted to Rs. 8,70,533.00 excluding establishment cost as against Rs. 12,53,140.00 during the previous year. The net revenue of the college by way of tuition fees and miscellaneous receipts etc. amounted to Rs. 2,91,181.00 as against Rs. 2,51,420.94 for the previous year.

Mobile Accident Service :—A mobile Accident Service Van donated by Messrs. India Tobacco Co. Ltd., through the Bombay Pradesh Congress Committee which is equipped with a wireless set attached to the Emergency ward has attended 146 calls and 2496 patients have been admitted in the emergency ward.

In-Patients :—The Schedule bed strength of this Hospital is the distribution of beds according to the Departments is shown in Appendix III. 50,453 patients were admitted for Indoor treatment during the year as against 47,686, 51,090 and 51,705 during the preceding 3 years respectively.

Paying Patients :—Under the scheme which is effective from 1951, 1607 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.

Out-Patients :—The Out-Patient Department has attended to 2,15,421 new patients. The highest in-patients and Out-patients attendance (only new attendance) on a single day was 205 and 998 respectively.

After-noon-Out-Patient Department :—There are 4 Out-patient departments, viz, Medical, Surgical, Orthopaedics and Paediatrics running in afternoon. During the year, 26,001 patients were treated in these department.

MEDICO LEGAL CASES :

Casualty Department :—25,268 accidental and other emergency cases were treated in this Department.

(2) **Court Cases**.—Resident doctors attended the various courts for giving evidence in 241 cases.

(3) The injury certificates issued in 2,003 cases to the various police stations.

Medico-Legal Cases :—During the year, the Resident Medical Officers, attended various courts for giving evidences in 393 Medico-legal cases. 2071 injury certificates were issued to the various Police stations free of charges.

Certificates :—9856 Certificates of different types were issued to the patients during the year under report.

Minor Surgery Department :—28,033 minor operations were performed in the department during the year.

Pathology Department :—3,95,283 investigations were carried out and 1129 autopsies were performed during the year. 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 Hospitals (East & West).
- (4) Bhandup Maternity, Hospital.
- (5) Chunabhatti Maternity Hospital.
- (6) Dharavi Urban Health Centre.
- (7) Bhagwati Hospital, Borivali.
- (8) Kurla Bhabha Hospital.
- (9) Raoli Camp Maternity Home.

Anaesthesia Department :—During the year, 15,051 patients have received anaesthesia in various theatres and minor surgery department. 3210 patients were kept in recovery room and out of these 192 patients were required to be treated with respirators. 3,703 patients were examined in OPD for fitness for surgery.

Medical Health Check-up Centre :—The health of a person in apparent good health is checked and all routine examinations, such as blood, Urine, Stool, Screening etc. are carried out if required. During the year under report, 155 persons have taken advantage of the same. The Medical Health Check-up Scheme is an absolutely voluntary scheme for the patients to come at their own to the check-up Centre.

X-Ray Department :—The work done in the X-Ray Department during the year is as under.

(A) No. of patients X-rayed ..	49,845	(2) Carotoid Angiogram ..	269
(B) No. of X-Rays ..	1,07,243	(3) Special Investigation ..	3,484
(1) No. of Ba-meal	} 358	(4) Other Misc. investigations ..	1,03,132
Ba-swallow			
Ba-enema			

Dental Department :—13,298 patients were treated for various tooth troubles.

Anti-Rabic Department :—21,099 patients were treated, both new and repeat

Blood Bank :—The total number of Blood samples collected from relative donors was 2,935 and that from voluntary donors was 3,070. The total number of blood samples supplied for transfusion during the year was 5,750.

Physiotherapy and Occupational Therapy Department :—The work done in these departments during the year is shown below (out patients and In-patients).

Serial No.	Department	No. of patients.	No. of Treatments.
1	Physio Therapy	21,886	1,74,839
2	Occupational Therapy	19,167	1,47,907

Audiology and speech Therapy Department :—During the year, 1,764 patients have taken advantage of services of the department.

- (1) Number of Audiogram.—1,606.
- (2) Number of New Speech cases.—158.
- (3) Number of visits speech therapy.—1,301.
- (4) Number of special Audiometry Testing.—250.

Hand injury Follow up Clinic :-- cases were registered during the year.

Family Welfare Centre : A Family welfare Centre is run for the benefit of patient attending the hospital. The work done is as follows :—

(1) Vasectomy Operations performed	55
(2) Sterilization Operations performed	1,049
(3) Loops inserted	85
(4) Patients given oral pills	315
(5) Patients given condoms	1,449

School Clinic Department :—2,159 New and 16,712 Old cases from 19 different Municipal School from the suburbs and 30 from City and 89 New and 103 old cases from 6 different secondary schools were treated during the year. 37 Tonsils operations were performed on School Children.

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 Hospitalization of telephone call, the Flying Maternity squad reaches there within a minimum time and provides the necessary assistance. During the year, the squad attended 9 such calls.

Dispensary.—The work carried out in the Dispensary is as follows :—

Out Patient	} 4,32,440.
In Patients	
Special Prescriptions	
M. S. W.	
School Clinic	

Department of Pharmacy.—Sterile and non sterile preparation were manufactured in pharmacy department during the year as under :—

(1) Parenteral fluid in bottles	66,139 Nos.
(2) Parenteral fluids in vials	57,943 Nos.
(3) I. V. sets	95,184 Nos.
(4) Dressing drums	2,200 per month.
(5) Penicillin Test dose	600 vials.
(6) Savlon	2,880 Litres.
(7) Enema Soap	700 Litres.
(8) Haemodialysis fluid	330 Litres.

MEDICO SOCIAL SERVICE DEPARTMENT

Direct Services. —

Long Term Cases.—

(1) Orthopaedically handicapped	839
(2) Cases of unmarried mothers, adoption and family counselling	147
(3) Cases of Psychiatric disorders	245
(4) Cases of chronic illnesses like diabetes etc., for counselling and rehabilitation	2,037
(5) Mentally ill for evaluation, counselling and rehabilitation	1,438
(6) Hard of hearing cases for evaluation and rehabilitation	160

Short Term Cases.—

(1) Discharge problems cases	283
(2) Cases in need of applicances like clutches, calipers, surgical shoes, drugs etc.	2,744

Medical Aid and Blood collection :-

(i) No. of times patients given medicines at O.P D. Level, ..	34,319
(ii) No. of blood donation camps organised	63
(iii) No. of blood bottles collected from voluntary donors	3,070
(iv) No. of blood bottles collected from relative donors.	2,935

GROUP WORK

The patients facing similar health conditions, are seen in a group. This creates a better awareness amongst them. They feel more reassured by sharing their fears, anxiety and problems. This group work also provides them channels to verbalise and help them to copeup with the health problems posed and grow out of it. In order to achieve the objective, they are seen at different levels.

(a) **Therapeutic Level** :-In which the group members are same for a definite number of sessions, and emotional component is handled at deeper level. Following groups were handled for this purpose.

- (1) Parents of the children affected by Poliomyelitis.
- (2) Parents of the deaf children.
- (3) Wives of the alcoholics.
- (4) Parents of the mentally retarded children.
- (5) Epileptic cases and their relatives.
- (6) Adolescent deaf children.

(b) **Educational Level** :-Patients and their relatives are seen in a group to educate them on their health problems and help them to take the treatment regularly and to take necessary precautions in diet etc. Groups of (i) Patients suffering from diabetes and their relatives, (ii) T. B. Cases and their relatives.

(c) **Recreational Level** :- Patients admitted in Wards were entertained by the N. S. S. volunteers and volunteers from Satya Seva Mandal. They were entertained by conducting various activities, such as games, bhajans, story telling and drawing, and painting.

Projects for Patients : Community Health Work.—

The department worked with two slum communities namely as Sunder Kamala Nagar, (b) Raoli Camp hospital vicinity.

- (1) Sunder Kamla Nagar—(a) Balwadi.—Average attendance was of 35 children.
- (b) Sewing Class.—Eleven girls attended the class regularly.

(c) **Study Class**.—About 36 boys and girls attended the class in the evening. Children attended the class regularly.

(d) **Dance Class**.—Nine girls attended this activity.

(2) **Raoli Camp**.—Following activities were conducted to have platform to relate people.

(a) **Balwadi**.—Average number of children attended daily was 24. Balwadi was closed in April 1983.

(b) **Sewing Class**.—Was attended by twelve adolescent girls.

A cooking competition was held of the class members and other ladies of the community. Prizes were given at the hands of the community leader.

Since May 1983 the department stopped its activities in this community as the Paediatric Unit through which the M. S. W. was working with the community got shifted to Urban Health Centre, Dharavi.

On going Projects.—**School for the Deaf**.—There are 130 deaf children with 13 teachers in the school. These 130 children ranging from the age of six to eighteen years belonged to different levels of education i.e. from K. G. to 4th Standard.

Class for the Mentally Retarded.—On an average 12 children attended this class. A trained teacher with the help of the relatives of the children managed the class.

Projects.—A get-together was organised of all the donors and volunteers of the department. The Dean of the Hospital presided over the function. About two hundred invitees attended this function

On this occasion, a brochure 'Share with you' on the activities of the department was brought out and was given to every participant.

An Inter/school Day Camp.—Was organised for the deaf children at Aksa beach. The camp was for three days i.e. from 29th January to 31st January 1983, 135 deaf children, 20 parents, 20 teachers, 20 volunteers and 61 staff of the department participated in this day camp. The main objectives of the camp were to give opportunity to the deaf children to stay together and share.

A Workshop.—For the handicapped was started in August 1983. Fifteen patients are working in this workshop. The major sections are tailoring and chair canning. Mentally retarded, blind, deaf and orthopaedically handicapped and socially handicapped are given work, in this sheltered workshop. Even relatives of the patients are given work to supplement their family income during crisis period. Earning gave to the handicapped a sense of respect and confidence.

II.—Teaching and Supervision.—(a) Lectures were given by the M.S.Ws. to the Medical Nursing and Social worker students at the Hospital. The training institutes of social work namely Tata Institute of Social Sciences and College of social work invited the M.S.Ws. to give lectures. Batches of Para professionals were sent from college of social work to the department for orientation and lectures.

(b) 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 schools. The M.S.Ws. accepted the invitation and did go for the talks.

(c) This year in all Nineteen (19) students were placed for their field work experience from both the training Institute of social work. Out of this, twelve were placed under the direct supervision of the M.S.Ws. working in the department and seven were placed with the faculty supervisors of training institute. Two students were placed with the department for their block placement (internship).

(d) 65 N.S.S. students from Ruixa, Poddar, Khalsa and Jhun Jhunwall College were placed with the department. They worked in different projects like sports, posters making, drugs distribution etc.

PREVENTIVE AND SOCIAL MEDICINE DEPARTMENT

I.—Training : The Department imparted training to undergraduates and Nurses as well.

II. Health Supervision of School Children : Cross road school and Transit camp school Dharavi were included under School Health Programme. Medical check up and immunisation was carried out as under ;—

I.—No. of school children exam.	..	..	..	..	8,695
II.—Immunisation work—					
(1) D. T.	..	..	..	..	4,694
(2) Polio	..	..	..	..	2,820
(3) T. T.	..	..	..	..	604
(4) T. A. B'Cholora	..	..	..	..	8,046
(5) Prophylaxis Vit. A	..	..	..	..	1,981

Vit. A Prophyiaxis Programme : Oral Vit. 'A' was given [in Dharavi] community by making home visits as well as at clinic.

III.—Under Five Clinic : Under Five Clinics are conducted at Matunga Labour Camp, Urban Health Centre, Dharavi, Lal Donger and Ghatla Village. Children under Five years of age are enrolled. Their growth and development is checked every month. Minor ailments of these children are treated. If necessary, they are referred to the specialist. B. C. G., Triple, Polio, Measles, Immunizations are carried out. Malnourised children are given nutritional aid. Health education on the common problems is given to mothers.

Immunisation work was carried out at following centres

Community	No of case examined.	Polio	Triple	T. T.	D. T.
(1) Child welfare centre	.. 1,859	308	308	16	..
(2) D. U. H. C.	.. 12,167	..	..	566	34
(3) M. L. Camp	.. 3,158	..	..	239	19

6,950 Children were given Oral Injection of Vit. A and 98 Children were given injection of Vitamine D.

IV.—Child Welfare Centre : The child welfare centres are conducted by the department of P.S.M. at the L.T.M.G. Hospital Compound and at D.U.H.C. and M.L. Camp. Children are enrolled from 3 months onwards and are followed upto the age of 5 years.

V.—Medical Relief : Adult patients and children were examined and treated at Dharavi Urban Health Centre, Matunga Labour Camp, Lal Donger, Ghatla and Vakola. Those who needed specialists treatment were referred to L. T. M. G. Hospital, Tetanus toxoid and T. A. B. Cholera were given to adult population. Children were protected by giving D. T., Polio, Measles, T. A. B.

VI.—Urban Public Health Internship Programme : Comprehensive health care to urban slum communities is carried out under this programme.

VII.—Social Service :

1. Community Visits at Dharavi Slums :

(1) Matunga Labour Camp Dharavi	..	400 visits
(2) A. K. G. Nagar Dharavi	..	150 visits
(3) Transit Camp Dharavi	..	300 visits
(4) Kunchikorve Nagar Dharavi	..	250 visits
(5) Muslim Nagar Dharavi	..	250 visits
(6) Collectoral contacts for communities	..	80 Nos.
(7) Health talks	..	100 Nos.

2. Community Visit For Home Programme :

(1) Ghatla Village	..	15 visits
(2) Lal Donger community	..	15 visits
(3) Vakola centre	..	25 visits
(4) Collectoral Contacts for community	..	20 Nos.
(5) Health talks	..	25 Nos.

VIII.—AIDS PROVIDED FOR THE DHARAVI SLUMS DWELLERS

A. Nutritional Aid to children :

(i) C. R. S. : Nutritional Aid with the help of Catholic Relief services is given to the slum dwellers from Dharavi Community. No of Beneficiaries 100 children.

(ii) N.R.C. : Nutrition rehabilitation centre is established at Urban Health Centre, Dharavi. About 40 malnourished children are enrolled. They are fed on nutritious type of diet including milk twice a day.

(iii) As Distribution of biscuits is carried out regularly in the three Balwadies.

(B) Distribution of pairs of spectacles to 250 needy patients.

(c) Economic aid in terms of Cash—15 beneficiaries.

(d) Clothes and toys were distributed to 120 beneficiaries.

(e) School fees and notebooks—20 children were sponsored.

(f) Employment—10 persons were provided with employment.

(g) Referrals, case work and follow up in Hospital—300 cases.

IX.—Other Activities :

(1) **Literacy Classes :** Literacy classes are continued twice a week with the help of voluntary workers, About 25 women and adolescents are enrolled and taught regularly.

(2) **Sewing Classes :** Sewing classes are continued twice a week at Urban Health Centre. A teacher is appointed. There are 3 sewing machines donated by various agencies 40-50 women are under training.

(3) **Healthy Women Show :** About 35 women were subjected to a complete medical check up and screening for Cancer by pap-smear. Three of them were selected for prize distribution according to their merit.

(4) Income Generating Schemes :

(a) Soap making demonstrations were arranged at Urban Health Centre, Dharavi and Matunga Labour Camp.

(b) Candle making demonstrations are carried out in the Urban Health Centre Dharavi—6 women under-went the training and were employed at the rate of 10 Rs. per day for about 6 weeks.

(5) **Balwadies :** Two balwadies at Konchikorve Nagar and One at Valmiki Nagar are continued. About 85 children are enrolled in each Balwadi.

(6) 21 Mahila Mandal have been organised in Dharavi area.

(7) 62 T. B. patients have been referred to the clinic and are being followed up regarding treatment. This programme has been started from August 1982.

8) Health Education is given in all the communities regularly in the form of exhibitions films, slide shows etc.

X.—SPECIAL ACTIVITIES :

I. World Health Day Celebration :

(a) W. H. O. Day was celebrated on 7th April 1983. An exhibition of posters on old age problems was held in the outdoor of the L. T. M. G. Hospital and at Urban Health Centre Dharavi.

(a) Detection of Cancer of Cervix was carried out by pap smear with the help of the Gynaecologist.

(b) Detection of diabetes by carrying out blood sugar was also arranged.

(c) Detection of hypertension was carried out by checking the blood pressure with the help of interns.

About 300 patients were screened for Diabetes. Health talks were given by the medical students, Interns etc. The exhibition was attended by about 2000 individuals.

i) **A LEPROSY CLINIC** : This is conducted at Urban Health Centre, Dharavi once a week on every Tuesday with the help of Bombay Leprosy project. About 42 cases of Leprosy are under treatment.

ii) **T. B. Clinic** : Conducted at Urban Health Centre, Dharavi. The suspected cases of T. B. are referred to Dadar Hospital for further investigations and treatment.

iii) **DENTAL CLINIC** : A dental clinic is organised by the department with the help of the Nair Dental College and hospital. Twice a week a mobile dental van is arranged, well equipped and with trained staff.

iv) **Eye Camp** : one eye camp was carried out at U. H. C. Dharavi. About 300 patients were screened for various eye ailments and about 155 spectacles were distributed free of cost with the help of Geants from Matunga areas.

XI.—Health Education Activities :

i) Routine health talks on health promotional aspects are given in the Dharavi and other community Under five clinics.

ii) Health exhibition is regularly held at Dharavi, Urban Health Centre. The posters on various aspects of health are displayed.

iii) Health education films are shown to the slum dwellers regularly.

iv) 20 Nutrition demonstrations are arranged at U. H. C. for slum dwellers.

XII.—Academic Achievements : Prevention and Rehabilitation of Polio Cases

(1) Preparation of audiovisual slide show on importance of immunisation was prepared by Dr. Gopa Kothari.

2) Xerophthalmia project is continued in Dharavi slums, with the help of Royal common Welth Society for blind (RCSB) Routine Vit. A administration and deworing is continued in the Dharavi slum apart from routine check up and treatments.

A nutritional rehabilitation centre (day care centre) is continued at Dharavi, Urban Health Centre for the benefit of malnourished children from Dharavi slum. Feeding nutritional food stuff daily twice a day is carried out. Health talks are given daily in the centre only.

Nurses Training School :—During the year, 39 students nurses were admitted for training in General Nursing and 80 students nursss for Mirsifsry. 132 and 80 students in General Nursing and Midwifery examinations respectively out of which 108 in General Nursing and 80 in Midwifery Student have paseded.

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 1983 stood at Rs. 5,61,456.00 collection from the Boxes, donations and other miscellaneous receipts during the year amounted to Rs. 6,34,01,739 and expenditure through the Poor Box Charity Fund was Rs. 2,00,553.03. The total amount in the Fund as on 31st March 1984 stood at Rs. 9,94,971.96.

Special facilities for Municipal Employees :—Separate counters have been kept reserved at the Registration Department, Dispensary and Afternoon O.P.D. for the Municipal staff. Fifty percent concession is granted in paying Bed Scheme.

The sale of drugs and Medicines for the benefit of patients have been started at this hospital through L.T.M. Medical College and Hospital consumers Co-operative Society from the year 1976.

Dr. J. V. BHAT,
Dean,
L.T.M.G. Hospital,
& L.T.M. Medical College.

Appendix No. I

Result of the examinations for the year 1983

Period	Examination	Appeared	Passed	% of passing	Name of the student	Total Marks
April 83	I M. P. B. S.	28	15	53.5%	1) Shri Khadilkar Shiram M.	432/600
	II M. B. B. S.	85	82	96%	2) Shri Savargaonkar Rajesh R.	432/600
	III M. B. B. S.	49	19	38.89%	3) Shri Gandhi Rajendar S.	609/1000
October 83	I M. B. B. S.	100	80	80%	1) Shri Joshi Nitin S.	553/750
	II M. B. B. S.	25	14	56%	1) Shri Fonseca Malcolm S.	391/600
	III M. B. B. S.	88	68	80.9%	1) Shri Gaikwad Pravin B. 2) Smt. Mahabal Surekha B.	676/1000 676/1000

Appendix No. IB

Results of Post Graduate Examination for the year 1983.

Examination	April 1983		October 1983	
	Appeared	Passed	Appeared	Passed
M. D. (Medicine)	15	9	12	6
M. D. (Gynaec. Obst.)	6	1	10	5
M. D. (Paediatrics)	4	1	6	2
M. D. (Skin Disease)	2	1	2	1
M. D. (Anaesthesiology)	2	1	4	3
M. D. (Radiology)	4	3	2	2
M. D. (P. S. M.)	1	..	1	1
M. D. (Pathology)	2	2	1	1
M. D. (Microbiology)	1	..	1	1
M. D. (Cardiology)	2	2	1	..
M. S. (Gen. Surgery)	9	7	5	2
M. S. (Orthopaedics)	6	4	5	2
E. N. T.	1	1	2	1
Plastic Surgery	1	1	1	1
M. S. (Urology)	1	1	2	1
D. A.	8	7	6	6
D. V. D.	3	2	3	1
D. P. M.	2	..	3	3
D. P. M. (II)	1	..	2	2
D. M. R. D.	4	2	6	6
D. M. R. D. Part II	5	2	4	4
M. Sc. Biochemistry Part I	9	6	3	3
M. Sc. Biochemistry Part II	10	9	1	1
D. M. L. T.	4	3	8	5
Psychiatric	..	..	1	1
Ophthalmic	..	..	2	2
Anatomy	..	..	1	1
D. P. H. Part I	..	..	1	1
D. P. H. Part II	..	..	1	1

APPENDIX II

Papers Read and Published

- | | |
|--|---|
| <p>Department of Dr. Dhar H. L.
Pharmacology.</p> | <p>(1) Preferential blockade of the responses to Epinephrine (E) by Blue Tetrazolium. Ann. alpha adrenergic blocking agent Indian J. of Pharmacology 15th February 1983.</p> <p>(2) Histamine and gastric secretion (Procedures) of reaserarch strategy in Ayurved held in Bombay 1983.</p> <p>(3) Histamine and gastric secretion Seminar on research strategy in Ayurveda, Bombay 1983.</p> <p>(4) Mediators released during allergic reaction in rats and guineapigs. International Congress of Cardio pulmonary diseases held in January 1984.</p> <p>(5) Serum antipyrine half life in patients in cirrhosis before and after treatment. Proceeding of the IInd World conference on clinical Pharmacology and Therapeutics, Washington, July 1983, Page 4.</p> <p>(6) Steroid and asthma adult and children. Symposium on steroid and respiratory diseases International Cong. of Cardio pulmonary diseases January 1984.</p> |
| <p>Department of Dr. N. S. Munshi
Gyn. & Obstets. Dr. G. S. Rao
Dr. P. R. Vaidya
Dr. Bapat</p> <p>Dr. N. S. Munshi
Dr. P. R. Vaidya
Dr. G. S. Rao</p> <p>Dr. Vijaya U.
Dr. V. R. Badhwar
Dr. V. D. Patkar
Dr. S. D. Kanitkar</p> <p>Dr. C. P. Shroff
Dr. Deodhar
Dr. A. M. Shanbhag</p> <p>Dr. Shanbhag A. M.
Dr. Laxmi S.S.
Dr. U. B. Bhagwat</p> <p>Dr. P. R. Vaidya
Dr. Fernandez Armida
Dr. V. B. Athavale</p> <p>Dr. P. R. Vaidya</p> | <p>(1) Pregnancy with colocoloplasty (A case report) J. of Obste. & Gyn. of India Vol. 33, No. 1, Page 147, Feb. 1983.</p> <p>(2) Rectal Prolapse Report of 3 cases with review of literature J. of Obste. & Gyn. of India, Vol. 33, No. 1, Page 157, February 1983.</p> <p>(3) Flying squad service in social obstertics Journal of Obste. & Gyn. of India Vol. No. 33, No. 2 Page 223, April 1983.</p> <p>(4) Endometrial stromal sarcoma presenting as on ovarian tumour (A case report) Juournal of Obste. & Gyn. of India Vol. 32, No. 6, Page 839, December 1983.</p> <p>(5) Silent repture of Gravid uterus in a nulliparous pattent. (A case report) Journal of Obstet. & Gyneec. of India.</p> <p>(6) Study of Preterm babies roomed in with their mothers Journal of Obstet. & Gyneec. of India, Vol. 33, No. 5, Pabge 606, October 1983.</p> <p>(1) 'Post-Datism' (Review of 50 cases Annual Bombay Obstet. & Gyneec. conferences on 6th June 1983 at Bombay.</p> <p>(2) 'Ultrasonic Biparietal Diameter in Indian Women' Fourth World congress on human Reproduction, at Bombay on 27th November 1983 to 2nd December 1983.</p> |
| <p>Department of Dr. Lina Deodhar
Microbiology. Dr. K. Krishnan
Dr. A. G. Chaphekar</p> <p>Dr. Shella Gaikwad
Dr. Leena Deodhar</p> <p>Dr. Lina Deodhar
Dr. K. Krishanan</p> <p>Dr. N. H. Tanden
Dr. S. A. Nanivadekar</p> | <p>(1) 'Leptospirosis with bacteriologic Journal of Inf. Dis. Vol. 147 No. 6, Page 1107, 1983.</p> <p>(2) 'Study of coagulase-Negative Staphylo-coccin clinical infections' Journal Postgraduate Med. vd. 29, No. 3, Pages 162-164, July 1983.</p> <p>(3) 'Anaerobic infections in hospital practice' The indian practitioner Vol. 36, No. 9, Page 4 429, September 1983.</p> <p>(4) 'Candidasis of oesophagus.' The Indian Practitioner Vo. 36, No. 9, Page 403-406, September 1983.</p> |

- | | | |
|---|---|--|
| Department of Microbiology. | Dr. Alka Gogate
Dr. Lina Deodhar | (5) A paper was presented on Salmonella meningitis at Maharashtra Chapter conference in Microbiology at J. J. Hospital, Bombay. |
| | Dr. Manjiri Bhatt
Dr. Alka Gogte
Dr. Lina Deodhar | (6) A paper on 'Role of Mycoplasma in female genital tract infections' chapter conference in Microbiology. |
| Department of Physiotherapy. | Mrs. Bellare | 'Rational of management of hand in Reflex sympathetic Dystrophy.' |
| | Miss Amita Shah | 'Effect of Intermittent pressure breathing on chronic Asthmatics.' |
| | Miss Mohini Kulkarni | 'Correlation of Nerve conduction studies and blood sugar level in adult diabetic patients.' |
| Department of Preventive & Social Medicine. | Dr. Gopa Kothari | 'Appraisal of Health conditions in Greater Bombay' at seminar organised by I. P. S. |
| | | 'Child labour in Dharavi' at conference of Indian Association of occupational health 1983. |
| | | 'Nutrition education for Better health' at symposium held by Nutrition Society of India. |
| | | 'Communication in community programmes and F. P. programmes and workshop on communication organised by F. P. Association of India.' |
| Department of Physiology | Dr. V. D. Joshi | Review article published in Indian Practitioner January 1984 (Physiology of Iron Metabolism). |
| Department of Paediatric | Dr. P. Vaidya
Dr. A. Fernandez
Dr. V. B. Athavale
Dr. D. Patel | Studies of preterm babies Roomed in with their mothers. The Journal of Obst. & Gynaec of Indian Vol. XXXIII No. 5 Oct. 83, P.606-608, |
| | Dr. V. B. Athavale | Tuberculosis in Ayurvedi Paediatric Clinics of India, July, Oct. 1983, Vol. 18, No. 3-4. |
| | Dr. M. N. Mehta | Presented a paper on 'Nutrition Education & Child Health' at the Symposium on 'Nutrition Education for Better Health During Next Decade' Held at Jaslok Hospital Auditorium on 31st March 1983. |
| | | 'Bleeding Problems on Snake Bite' at the monthly scientific meeting of the Bombay Haematology Group on 1st December 1984 at L. T. M. M College. |
| | | 'Acquired Haemorrhagic Disorders in Infancy' at the symposium on 'Haematological Disorders in Infancy' at the Symposium on 'Haematological Disorders in Infancy' presented at the 8th National Conference of the Indian Society of Haematology and Blood Transfusion on 9th .1 December Ahmedabad. |
| | Dr. Lokeshwar M. R.
Dr. M. Vishwanathan
Dr. Mangal Rao
Dr. Nirupa Munshi
Dr. Meenakshi Mehta | Leukocyte Profile in early diagnosis of sepsis neonatorum |
| | Dr. M. R. Lokeshwar
Dr. Managal Rao
Dr. M. Tharthare
Dr. Prabhu S. V.
Dr. Jasmine Shah
Dr. M. N. Mehta | Non isolimmune unconjugated heperbilirubinaemia in neonates. |

- Dr. S. V. Prabhu
Dr. M. N. Mehta
Dr. H. N. Mistry
- Dr. M. N. Mehta
Dr. S. V. Prabhu
Dr. H. N. Mistry
- Dr. M. N. Mehta
Dr. A. S. Deshpande
Dr. S. V. Prabhu
- Dr. M. N. Mehta
Dr. Mangal Rao
Dr. Nirupa Munshi
Dr. Armida Fernandez
- Dr. Rita Mehta
Dr. D. R. Daruwalla
Dr. M. N. Mehta
- Dr. M. N. Mehta
Dr. Parvathi Krishnan
Dr. Nirupa N. Munshi
- Dr. M. R. Lokeshwar
Dr. Bharat Rao
Dr. Mangal Rao
Dr. Vidya Awar
Dr. Nirupa Munshi
Dr. M. N. Mehta
Dr. N. Shukla
- Dr. R. S. Mehta
Dr. S. V. Prabhu
- Dr. Mangal Rao
Dr. A. J. Baxi
Dr. M. R. Lokeshwar
- Dr. M. R. Lokeshwar
Dr. Managala Rao
Dr. Bharat Rao
Dr. M. N. Mehta
Dr. A. J. Baxi
Dr. A. J. Baxi
- Dr. M. Vishwanathan
Dr. M. N. Mehta
Dr. Lokeshwar M. R.
- Dr. Mangal Rao
Dr. Baxi A. J.
Dr. M. R. Lokeshwar
- Dr. Lokeshwar M. R.
Dr. Rao
Dr. Mallika Vishwanathan
Dr. V. B. Athavale
- Dr. M. N. Mehta
Dr. M. K. Rao
Dr. M. N. Munshi
Dr. M. R. Lokeshwar
Dr. A. Fernandez
- 'Insight into Bombay's working children, Part-I Socioeconomic & General Aspects' the paper presented at the XXth National Conference of the Indian Academy of Paediatrics held at Poona 28th-29th November 1983.
- 'Insight into Bombay's working children Part II—Nutrition & Health Aspects' was presented at the XXth National conference of the Indian Academy of Paediatrics held at Poona 28th 29th November 1983.
- 'Evaluation of Delyed Hypersensitibity using Tetanus Toxoid Skin Test' was presented at the XXth National Conference of the Indian Academy of Paediatrics held at Poona 28th-29th November 1983.
- 'Role of Estimation of Fibrinogendegradation Products in the Diagnosis of DIC in children' was presented at the XXth National C onference of the Indian Academy of Paediatrics held at Poona 28th-29th November 1983.
- 'Childhood Tuberculosis & Nutritional status was presented at the XXth National conference of the Indian Academy of Paediatrics held at Poona 28th-29th November 1983.
- 'Estimation of F. D. P. in the diagnosis of DIC in children' scientific meeting of the staff & research society LTMG Hospital and College.
- 'Adoptions follow up from an orphanage in Bombay' International Journals of child abuse & Neglect Vol. 7, P. 79-82, 1983.
- 'Disseminated Intravascular coagulation in children' in Topics in Haematology' edited & released on the occasion of 24th Annual Conference of the Indian Society of Haematology and Blood Transfusion 9-11th December 83, Ahmedabad.
- 'Followup asymptomatic Tuberculin positive school children not given treatment.
- 'Glutathione Peroxidase in health & disease' Indian journal of haematology July 83.
- 'Glutathione parexodase dificiency in a case of Haemolytic anaemic' accepted in Indian Journal of Haematology.
- 'Haemolytic uraemic syndrome in pediatric practice.' papers presented at 8th a nnual conference, Bombay Haematology Group.
- 'Enzyme profiles in Thalassaemia.
- 'Exchange transfusion in hyperbilirubinaemic neonate.'
- 'Estimation of FDP for the children' read at 24th annual conference of ISHBT.

**Department of
Medicine**

- Dr. Nanivadekar S. A.
Dr. Kullor P. L.
Dr. Tahiliani R. R.
Dr. Golani U. A.
- Dr. Nanivadekar S. A.
- Dr. Nanivadekar S. A.
Dr. Kullor P. L.
Dr. Tandon N. H.
Dr. Sahu C. P.
Dr. Chougula U. K.
- Dr. Tandon N. H.
Dr. Kullor P. L.
Dr. Tharakar M. J.
Dr. Tahiliani R. R.
Dr. Nanivadekar S. A.
- Dr. Kullor P. L.
Dr. Sahu C. P.
Dr. Hegde A. V.
Dr. S. A. Nanivadekar
- Dr. Nanivadekar S. A.
- Dr. Tandon N. H.
Dr. Nanivadekar
Dr. Kullor P. L.
Dr. Ambekar V. A.
Dr. Shroff C. P.
- Dr. Nanivadekar S. A.
Dr. Tandon N. H.
Dr. Kullor P. L.
Dr. Govindani N. H.
- Dr. Nanivadekar S. A.
- Dr. Nanivadekar S. A.
Dr. Vakil A. J.
Dr. Divekar M. V.
Dr. Pandit S. P.
- Dr. Shroff C. P.
Dr. Nanivadekar S. A.
- Dr. Kullor P. L.
Dr. Nanivadekar
- Dr. Murthy K. R. K.
Dr. Nanivadekar S. A.
Dr. S. V. Nadkarni
- Dr. S. A. Nanivadekar
- (1) 'The pattern of upper Gastrointestinal disease in Western India. An experience of 2500 oesophago-gastro-duodeno scopies' *Ind. Practitioner* 1983, 36: 49-58.
- (2) 'Advance in gastroenterology' leading Article *Ind. Practitioner* 1983, 36(1): I-II.
- (3) 'Research in Ayurveda' leading Article *Ind. Practitioner* 1983 36(4) XXIII-XXIV.
- (4) 'Hypertension' Leading Article *Ind. Practitioner* 1983, 36(5) XXIII-XXIV.
- (5) 'H₂-receptor antagonists.' Leading article *Ind. Practitioner*, 1983, 36(6): XVII-XIX.
- (6) 'Non-traumatic small bowel perforation.' *Ind. Practitioner* 1983, 36(7): XIX-XX.
- (7) 'Ranitidine in the treatment of gastric ulcer. A controlled randomised trial versus cimetidine in Endoscopically proved patients.' *Ind. Practitioner* 1983 : 275-283.
- (8) 'An approach to the diagnosis of space occupying lesions in the liver and unexplained hepatomegaly.' *Ind. Practitioner* 1983 36, 309-315.
- (9) 'Strangulated congenital diaphragmatic hernia in an adult.' *Indian Practitioner* 1983 : 36, 393-398.
- (10) 'How are cholesterol gallstone formed.' *Ind. Practitioner*, 1983, 36(8), XVII-XX.
- (11) 'Infections of the oesophagus leading article *Ind. Practitioner*, 1983, 36(1) XVII-XVIII.
- (12) 'Candidiasis of the oesophagus *Ind. Practitioner*, 1983, 36, 403-406.
- (13) 'Treatment of duodenal ulcer with ranitidine. A new, selective H₂-Receptor antagonist. A controlled, randomised study versus cimetidine in Endoscopically proved cases.' *Ind. Practitioner* 1983, 36 457-467.
- (14) 'Viral hepatitis B. Leading article, *Ind. Practitioner*, 1983, 36(10) XVII-XX.
- (15) 'The problems of aneurysms. leading article *Ind. Practitioner*, 1983, 36(11) & XVII-XXI.
- (16) 'Suprarenal abdominal atherosclerotic, Sacciform aneurysm perforating the diaphragm and presenting with repeated haemoptysis Report of a rare case' *Ind. Practitioner* 1983 36 : 511-514.
- (17) 'Clinicopathological Exercise A case of lung shadow with haemoptysis' *Ind. Practitioner* 1983, 36 : 505-509.
- (18) 'Rupture of aortic aneurysms *Ind. Practitioner* 1983, 36 497-503.
- (19) 'Symposium of the Department of Surgery L. T. M. G. & L. T. M. M. College Bombay Peptic ulcer. *Ind. Practitioner* 1983, 36 519-544.
- (20) Tuberculosis : The triumph and the tragedy. Leading Article, *Ind. Practitioner*, 1983 36 (12), XVII-XX.

- ffr.** Dr. Kullor P. L.
Dr. Nanivadekar S. A.
Dr. Bichle L. S.
- Dr. S. A. Nanivadekar
Dr. Shroff C. P.
Dr. Agnihotri V. V.
- Dr. Gopal Suhasini
Dr. Bichle L. S.
Dr. Sahu C. P.
Dr. Kullor P. L.
Dr. Nanivadekar
- Dr. Nanivadekar S. A.
Dr. Yeolekar M. E.
Dr. Kullor P. L.
Dr. Hedge A. V.
- Department of** Dr. Balsubramaniam
Dr. R. K. Moorthy
- (21) 'A study of 43 cases of abdominal tuberculosis' Ind. Practitioner 1983, 36 566561-
- (22) 'A case of Pyrexia of prolonged duration with hepatosplenomegaly Ind. Practitioner 1983, 36 587-593.
- (23) 'Tuberculosis meningitis with multiple tuberculomas of the Brain.' Ind. Practitioner, 1983 36 : 594-598.
- (24) 'Acute Isonizid self poisoning A case report of 2 adult cases and review of literature 2nd practitioner 1983 36 : 599-603.
- 'Papers sent for communication Liver Glycogen depletion in Acute myocarditis produced by Scorpion venom to Ind. Heart Journal and Effect of swimming exercise in rat heart sarcolemmal Atpase activities Ind. J. Journal.

RESEARCH

- Department of** Dr. N. A. Dabholkar
Physiology
- (1) Research project submitted for financial sanction :
- (i) Study of Biochemical mechanism of pathophysiology in acute myocarditis produced by Scorpion Venom and effect of Sn SO₂ treatment, to (i) Government of India Dept of Atomic Energy, Board of Research in Nuclear science.
- (2) Staff Research Society, L. T. M. M. College Sion, Bombay-22.
- (3) Effect of ascorbic acid on clotting time.
- (4) Effect of Glucose on various blood parameters in diabetic and non diabetic persons.
- (5) Study of biochemical mechanisms of pathophysiology in acute myocarditis produced by scorpion Venem and effect of ZnSO₄ treatment.
- Department of** Dr. Divekar
Medicine
- (1) The previous project of thypoid needle aspiration still continues.
(2) The project of prolactin levels in Normal is first concluded and will be submitted for publication.
- Dr. S. A. Nanivadekar
- (1) The clinical trial of Ranitidine in Endoscopically proved Peptic Ulcer/Oesophagitis in 53 patients.
(2) The clinical trial of GastroZepine in Endoscopically proved peptic ulcer in 49 patients.
- Department of** Mrs. V. A. Haldankar
Biochemistry Mrs N. D. Patil
Dr. B. N. Dave.
- (1) C. S. F. enzymes and their isoenzymes in neurological diseases.
(2) C. S. F. and serum citrate level in cerebral stroke.
(3) Coagulation studies in the newborn.
(4) Estimation of cholineesterase activity in subjects exposed to petroleum products.
- Department of** Dr. P. S. Menon
Medicine
- (1) The previous project of thypoid neede aspiration still continues.
(2) The project of prolactin level in Normal is first concluded and will be submitted for publication.

CONFERENCES ATTENDED HONOURS CONFERRED AND AWARDS RECEIVED.

Department of Medicine	Dr. M. V. Divekar	(1) Elected President of National Council of Hypertension in the year 1983 (Jan. Dec.) (2) Elected member of Board of studies Bombay University in the year 1983. (3) Elected member of Faculty of medicine in the year 1983.
	Dr. Nanivadekar S. A.	(1) The S. N. Bhansali Lecturership for 1983. was deliver an oration on 'Peptic Ulcer in India.'
Department of Paediatric.	Dr. M. R. Lokeshwar	(1) Editor 'Indian Journal of Haematology on-official Journal of India Society of Haematology and blood transfusion. (2) Vice President of Thalasaemia and sickle all society of Bombay. (3) Organising secretary of National symposium cum work shop on Thalassaemia and Haemoglobinopathies table held on 7th, 8th, 9th September 1983 at Sion Hospital.
Department of Paediatric	Dr. V. B. Athavale	Editor of Paediatric Journal of India.

LECTURES

Department of Medicine	Dr. M. V. Divekar	(1) Lecture on Pulm. Tb. in industrial Workers at Central Labour Institute on 22nd January 1983. (2) Lecture given on Pulm. Tb in Industry Workers to AEC on 25th February 1983. (3) Lecture given to General Practitioners Association on 16th February 1983. (4) Participated in Seminar on Medical Emergencies on 13th March 1983. (5) Arranged lecture of Prof. G. H. Jefferil's Chairman of Dept. of Medicine, Pennsylvania State Univ. Hershey on Peptic Ulcer Dis. on 23rd February 1983. (6) Inaugural speechy given to opening of exhibition on Hypertension!diabetes on 14th October 1983 at Masjid bunder arranged by President H. M. Prince Aga Khan's Daud Ismailia Society Darkhana.
Department of Paediatric	Dr. M. R. Lokeshwar	(1) Advancement in management of Nutritional anaemia. In the symposium 'Advance in the management of Anaemia' held at B. J. Wadia hospital for Children, Parle, Bombay 400 012, on 9th April 1983. (2) 'Immune Disorders—Inhabited' In the symposium on Hospital and L. T. M. M. College, Sion, on 15th October 1983. (3) 'ISO immene haemolytic anaemia' Symposium on 'Haemolytic anaemia' held L. T. M. G. Hospital on 13th March 1983. (4) 'Haematological changes in Paediatric Haematology at annual Conference Gujrat Branch Indian Academy of Pediatrics Held at Nadiyad. (5) Convenor of the symposium 'Haematological problems in infancy 8th National Conference of Indian Society of Haematology and blood transfusion 9.11December 1983. (6) Lecture on Spherocytosis postgraduate course in haematology held at B. J. Wadia hospital for children Parel, Bombay-400.012. (7) 'Approach to Anaemia' post conference teaching session arranged by 8th annual conference Bombay Haematology Group 27-2-83 to 3-3-83, Held at Tata Hospital, Parel.

APPENDIX No. III
STATEMENT SHOWING SCHEDULE BEDS ACCORDING TO
DEPARTMENTWISE & SEXWISE.

Department	Male	Female	Children	Unclassified	Total
A) Non-Paying Beds :					
Teaching Beds					
Medical	126	36	..	..	162
Surgical	120	36	..	..	156
Orthopaedics	36	24	12	..	72
Gynaec	..	36	..	..	36
Obstetrics and PPM	..	120	..	..	120
E. N. T. Aural	14	6	10	..	30
Ophthalmic	18	14	8	..	40
Dermatology and V. D.	12	8	6	..	26
Paediatrics Including	..	..	115	..	115
I. P. C. U. & D.U.H.C.					
Paediatrics Surgery	..	..	24	..	24
Psychiatrics	12	8	6	..	26
Cardiology & I. C. C. U.	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
Gynaec & Obstetrics	..	15	..	..	15
Total	34	34	..	..	68
(C) Beds Reserved for B. E. S. T.					
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 Inpatients and Out-patients treated during the year 1982 & 1983.

Sr. No.	Name of the Department	In-Patients		Out-Patients	
		1982	1983	New only 1982	New only 1983
1	Medical	12,217	13,177	40,734	32,288
2	Surgical	8,080	8,888	47,273	43,076
3	E. N. T.	1,028	1,321	22,284	14,231
4	Ophthalmic	1,117	1,358	12,550	12,883
5	Skin	216	174	16,159	16,306
6	Dental .. .. .	..	..	12,487	13,298
7	Paediatrics	6,698	6,947	19,783	19,363
8	Psychiatric	706	668	1,351	1,104
9	Orthopaedics	2,970	3,138	28,905	30,958
10	Gyanec	1,050	1,153	6,395	5,876
11	Obstetrics	8,357	8,575	9,591	7,411
12	Neuro Surgery	430	448	717	827
13	Cardiology	1,442	1,682	703	915
14	Cardio Vascular Thoracic Surgery.	178	207	367	286
15	Plastic Surgery	440	400	536	427
16	Urology	466	407	690	821
17	Paediatric Surgery	1,299	1,483	..	..
18	G. I. Clinic .. .. .	..	..	326	256
19	Chest Clinic .. .. .	..	..	409	299
20	D. U. H. C.	244	427	19,831	14,796
21	Remained on the last day of the year.	1,037	1,134	..	..
Total ..		47,975	51,587	2,41,091	2,15,421

(B) Results of treatment.

Hospital	Cured	Relieved	Otherwise	Delivered	Expired
L. T. M. G. Hospital & Annapurnabai Deshmukh Hospital for women. ..	7,412	33,598	513	7,008	4,222

(C) Classification of deaths according to their time of admissions.

Within 24 hours of admission	After 24 hours of admission but within 3 days	After 3 days of admission	Total deaths
1,342	798	2,082	4,222

APPENDIX V

List of persons who have donated Rs. 500 & above during the year 1983.

Sr. No.	Rate No. & Date	Name of party	Amount
1	11062/28-5-84	Association of Surgeons of India.	600.00
2	12634/23-7-83	Lilovati N. Parekh Charitable Trust.	500.00
3	13536/27-8-83	Dr. S. C. Shah	600.00
4	13553/30-8-83	Donated by one well w her	500.00
5	13593/5-9-83	Zarapkars	1,800.00
6	13596/6-9-83	Lions Club of Sion	1,500.00
7	13910/7-9-83	Lions Dubofwadala	600.00
8	13911/7-9-83	Lions Club of Wadala	1,200.00
9	13944/13-9-83	Lilavati N. Parekh Charitable Trust	1,000.00
10	13945/13-9-83	Lions Club of Sion Charity Fund	1,500.00
11	13984/22-9-83	B. P. Doshi	501.00
12	14427/28-9-83	Maitri Mandal Trust	2,000.00
13	14449/3-10-83	C. M. Doshi family Charitable Trust	2,500.00
14	14473/7-10-83	Lions Club of Sion	1,000.00
15	14474/7-10-83	Lions Club of Sion	1,500.00
16	14825/3-2-83	Lions Club of Sion	1,000.00
17	14826/12-10-86	Lions Club of Sion	1,000.00
18	15254/2-11-83	C. M. Doshi family Charitable Trust	1,500.00
19	16057/9-12-83	Lilavati N. Parekh,	1,000.00
20	18953/21-1-84	Inner Wheel Club of Bombay	3,000.00
21	19857/3-2-84	Lilavati N. Parekh Charitable Trust.	1,250.00
22	19858/3-2-84	Do.	1,000.00
23	649/16-2-84	Do.	1,500.00
24	1052/21-2-84	Do.	1,000.00
25	1952/3-3-84	Do.	500.00
26	1968/5-3-84	The Tata Iron and Steel Co., Ltd.	500.00
27	1969/5-3-84	Tata Chemical Ltd.	1,500.00
28	2616/12-3-84	Durga Sankirtan Mandal.	763.00
29		Total donation below Rs. 500	8,685.00

APPENDIX No. VI

Expenditure per In/patient, and per Out/patient per day.

Year	Diet	Medicines Drugs & Equipments	Stores & Linen	Miscell- aneous	Repairs to Buildings	Establish- ment	Total
In/Patient.							
1982-83	5.25	17.69	6.23	7.27	4.53	61.62	102.57
1983-84	3.81	13.52	3.18	3.69	3.23	60.38	87.81
Out/Patient.							
1982-83	..	5.59	1.96	2.30	1.43	19.48	30.75
1983-84	..	5.87	1.38	1.60	1.40	26.21	36.47

APPENDIX VII

Prizes and awards received by the students during the year 1983.

- | | |
|---|--|
| (1) Dr. R. S. Tembe Prize for Standing first in final M. B. B. S. Exam. held in October 1983. | Shri Gaikwad Pravin B.
Smt. Mahabal Surekha B. |
| 2 Smt. Shantabai K. Rao prize for standing first in Medicine. | Smt. Mahabal Surekha B. |
| 3 Dr. B. R. Damle Memorial Gold Medal in Medicine. | 1st prize Miss Surekha Mahabal
2nd prize Miss Padmaja Galgale. |
| 5 Dr. G. M. Phadke memorial award in surgery. | 1st prize Shri Madgal Madg
Chaitanya S. |
| 6 Dr. G. M. Phadke Memorial Award in Pharmacology | 2nd prize : Shri Pradhan
Riten R.
1st prize : Shri Shrirang
Khadilkar |
| 7 Dr. B. M. Bhargava Memorial prize in Obst. & Gyn. | 1st prize : Smt. Devayani
Kudchadkar.
2nd prize : Shri Rajesh Bhat. |
| 8 Dr. B. M. Bhargava Memorial prize in Anatomy | 1st prize : Shri Joshi Nitin S.
2nd prize : Shri Rajan Mohan |
| 9 Dr. C. N. Gadre Memorial Prize in E. N. T. | Prize was not given for 1983. |
| 10 Dr. G. N. Phadke Memorial Prize in Physiology | Prize was not given for 1983. |
| 11 Hemant Kelkar for prize standing first in merit amongst the students registered for M. S. Gen. Surgery in November 83. | Shri S. K. Purohit |
| 12 Dr. G. S. Ambardekar prize for Ist M. B. B. S. Student who stood I & II in October 1983. | Shri Joshi Nitin S. and
Shri Rajan Mohan |
| 13 Dr. Sathe's prize in Ophthalmology for interns for the year 1983. | Sharad between Shri Dilip
S. Gaitonde & Shri Milind
S. Sathe |

APPENDIX NO. VIII.

Performance Targets and Achievements 1983.

Activity	Name	Targets.		Achievements,	
		Out-pts.	In-pts.	Out-pts.	In-pts.
2	Medicine	79,772	14,334	36,133	13,177
3	Surgery	84,397	10,852	45,795	11,833
4	Gyn. & Obst.	21,687	10,973	15,346	9,728
5	Paediatric	45,762	9,664	28,351	7,564
6	Casualty	30,423	..	25,265	..
10	Orthopaedics	32,812	3,545	30,958	3,138
11	E. N. T.	17,588	1,420	14,231	1,321
12	Ophthalmology	17,058	1,494	12,883	1,358
13	Skin & V. D.	25,983	212	16,306	174
19	Psychiatric	1,806	829	1,104	668
25	O. T. Treatment P. T. Treatment	1,47,947	2,41,772	57,474	2,25,031
27	Dental	15,661	..	13,298	..
38	Dispensary	5,23,888	..	4,32,440	..
47	Social Services	39,186	..	34,196	..
53	Paying Ward	..	1,279	..	1,607
7	Radiology	..	1,26,795	..	1,07,243
14	Blood Bank—				
	(i) No. of Collection of blood bottles	..	8,704	..	7,240
	(ii) No. of blood bottles issued	..	8,227	..	6,581
21	Pharmacy—				
	(1) No. of infusion bottles	..	82,713	..	76,229
	(2) No. of vials	..	59,621	..	63,907
22	Emergency & Accident Services—				
	Emergency Calls	..	2,495	..	2,496
		..	710	..	146
46	Lab. Service Total Investigations	..	4,50,121	..	3,90,422
51	Anaesthesiology No. of patients	..	10,556	..	15,051
52	Operation Theatre				
	No. of Operation operations	35,337	19,477	28,033	21,664
32	Cardiology	784	808	915	1,682
20	Municipal Staff No. of staff given drugs	49,157	..	47,066	..
24	Nursing School; No. of students given Nursing Training	..	255	..	203

THE NAIR HOSPITAL DENTAL COLLEGE

High Lights—

Golden Jubilee Celebrations

This Nair Hospital Dental College having completed 50 years of yeoman services to the Metropolis of Bombay by way of treatment to patients and education in dental care and sciences held its golden jubilee celebrations. The celebration inaugurated by His Worship Sardar Man Mohan Singh Bedi Mayor of Bombay under the presidentship of Shri D. M. Sukhthankar, Municipal Commissioner on 17th Dec. 1983 continued for four days very smoothly with scientific sessions etc. Many graduates who have passed from this college and who are practicing in India and abroad participated in scientific sessions. It was a grand success.

Dr. S. T. Talim M. D. S. held the post of Dean upto 21-8-1983. Dr. D. R. Shahani Head of Dept. of Operative Dentistry was looking after the duties of the Dean consequent on the resignation by Dr. S. T. Talim from 22-8-83. Subsequently in Feb. 84 Dr. D. R. Shahani was selected by the Maharashtra Public Service Commission and appointed by the Bombay Municipal Corporation as the Dean, Nair Hospital Dental College.

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 was introduced last year and continued its work during the year under report. The treatment was rendered in those areas of slums hutment colonies etc. in Greater Bombay, where treatment facilities are not available to the citizens.

Patients treated.

Out patients : 1 33 913 patients were treated in different Dept. of this institution and the daily average was 372 patients.

Total income and expenditure of this institution during the year were Rs. 6 73 081.28 and Rs. 59 79 311.00 respectively, as against the income of Rs. 6,81,193.74 and expenditure of Rs. 49,36,297.00 last year. Poor Box Collection was Rs. 215.

Students Section : University Examination Results.

Examination	Total No. of students appeared		Total No. of students passed	
	April 1983	October 1983	April 1983	October 1983
I—B. D. S.	55	08	51	07
II—B. D. S.	47	14	36	08
III—B. D. S.	45	15	38	13
IV—B. D. S.	48	21	36	18
Total :	195	58	161	46
I—M. D. S.	21	03	17	03
II—M. D. S.	13	09	11	03
Total	34	12	28	06

The College conducts 4 years course in Dentistry leading to the Degree of Bachelor of Dental Surgery as also Post Graduate course in 8 Dental subjects leading to the Degree of Master of Dental Surgery of the University of Bombay. A new subject namely, Community Dentistry is introduced first time for the undergradhate Course from June 1983.

Educational Activities and Seminars :

During the year three eminent specialists in various branches of dentistry visited the college and delivered lectures in their subjects of speciality for the students and the staff of this college. Dr. Mulky from Messrs. Hindustan Levers gave a talk on "Preventive dentistry" Prof. Richard G. Topazian from University of Connecticut delivered a lecture on 'Contemporary treatment of dentofacial deformities'. Dr. Lalit Bhavri (Indian), from London, spoken "Recent concept of dental caries."

These specialists also had exchange of thoughts and discussions on various problems of teaching and research with the staff emembers of the college. Discussions were very valuable and educative to all.

Hostel :

73 boys and 43 girls took advantage of the Nair Hospital Dental College Hostel which is at Haji Ali.

Library

During the year, 645 books have been added to the collection, out of which 162 books have been received as gift from British Govt. through British Council Library. There are 7274 books in the library. Currently, the library subscribes to 70 periodical titles and holds 225 dissertations. Journals newly subscribed during 1983-84 are :—

(1) Clinical Preventive Dentistry.

(2) International Journal.

(3) Pediatric Dentistry.

(4) Dental Material Journal.

16 Thesis written by the M. D. S. students of this college have been added during the year 1983-84.

Special Equipments.

The college has 200 Dental chairs, 166 Dental units 120 Bench type engines and 50 Laboratory type, table model, Dental Engines W. & H make, upto date Operation theatre, latest dental drilling equipments including Airrotors—14 Nos. Air motors, 3 dentsply cavitron ultrasonic scalers, U. S. A. make, CS-76 cry surgical system unit and slide talk sound system.

There are Five Dental X-ray units (1) Ergophos-4E, 200 M. A. X-ray unit, with tomographic screening facilities. (2) Cephalostate X-ray unit, (3) Heliodont-60 (4) Heliodont 70 with Denotome and also (5) Status X-ray unit has been added to facilitate panoramic radiography.

Recently, a porcelain furnace with releveant accessories is added to produce porcelain with bonded metal Restoration.

The college has a ward of 16 beds (Male 8 Female 8) specially for dental in-patients. 3,544 patients (2018 male, 1139 female and 387 children—3,544) were admitted to the ward for treatment during the year 1983-84.

The staff engaged for different services in this college are (1) Dental-102, (2) Para Dental-53 (3) Medical—24 and (4) Non-medical-206.

Resume of work done in the college

The total number of dental outpatients treated in different clinics was 1,33,913. including school children from the various Municipal Schools in the morning as well as in the evening clinics, which includes 65,218 male, 42,075 female and 26,620 children. In addition to the above patients 5982, patients were treated by the staff of community mobile dental service. The details of work carried out in different departments are given in the appendices 'A' to 'L' attached herewith.

During the year, 208 dental camps were arranged by the institution in different parts of Greater Bombay.

Dr. D. R. SHAHANI
M. D. S.
Dean,
Nair Hospital Dental College.

APPENDIX ' A '

Summary of yearly Report of the Clinical work from 1-4-1983 to 31-3-1984.

Serial No.	Description	Departments	Total
1	New Patients	..	.. 44,324
2	Old Patients	..	.. 89,589
3	Total Patients	..	.. 1,33,913
4	Male	..	.. 65,218
5	Female	..	.. 42,075
6	Children	..	.. 26,620
7	Silver Filling	..	.. 8,590
8	Root Canal Filling	..	.. 853
10	Gold Inlays	..	.. 101
11	Fixed Bridge	..	.. 391
9	Jacket Crown	..	.. 388
12	Scalings	..	.. 11,140
13	Gingivectomy and Gingivoplasty	..	.. 252
14	Extractions	..	.. 37,447
15	3rd Molar Impactions	..	.. 561
16	Surgical treatment for—	..	..
	(a) Cyst	..	.. 57
	(b) Fracture of the Jaw.	..	.. 65
	(c) Cold Well Luc	..	.. 5
	(d) Hemimandibulectomy and Osteotomy	..	.. 45
	(e) Cleft Palate	..	.. ..
	(f) Cleft Lip	..	.. ..
	(g) Condylectomy	..	.. 9
	(h) Tumours	..	.. ..
	(i) Maxillectomy	..	.. 3
	(j) Plastic Reconstructive Surgery	..	.. ..
17	Transplantation of the Teeth	..	.. ..
18	Re-plantation of the Teeth	..	.. ..
19	X-Rays	..	.. 9,504
20	Fixed appliances for Ortho. treatment	..	.. 1,195
21	Removal appliances for Ortho treatment	..	.. 1,890
22	Full denturtes	..	.. 998
23	Partial denures	..	.. 641
24	Operations under G. A. Cases	..	.. 44
25	Operations under L. A. Cases.	..	.. ..
26	Extra Oral Films.	..	.. 2,221
27	Intra-Oral Films.	..	.. 14,489
28	Occlusal Films.	..	.. 144
27	Panagraph Films.	..	.. 790
30	Child Films.	..	.. 1,529
31	Total Collection (Paid) Rs. Np.	..	.. 5,27,990.50
32	(Poor Box-Fund) Collection	..	.. 215.00
	Regd. Deptt. Collection.	..	.. ..
33	Grand Total	..	.. 5,28,205.50

Serial No.	Description	Departments	Total
X-Ray Film A/c.			
(1)	Intra Oral Films	.. ..	14,489
(2)	Extra Oral Films (6 1/2" x 8 1/2")	.. ..	1,894
(3)	Extra Oral Films (8" x 10")	.. ..	321
(4)	Extra Oral Films (12" x 15")	.. ..	6
(5)	Panagraph Films.	.. ..	790
(6)	Occlusal Films.	.. ..	144
(7)	Child Films.	.. ..	1,529
(8)	Total Number of Patients.	.. ..	11,304

APPENDIX 'B'

Maxillo- Facial and Oral Surgery Department.

List of Operations done during 1983-84.

(A) Oral Surgery—

Serial No.	Description	Departments	Total
1	New Patients	.. Maxillo-Facial and Oral Surgery.	1226
2	Old Patients	.. ..	4899
3	Total Patients	.. ..	6125
4	Male	.. ..	3671
5	Female	.. ..	2018
6	Children	.. ..	436
7	Check up done	.. ..	2900
8	Wiring	.. ..	74
7	Teeth Ext.	.. ..	541
10	Biopsy	.. ..	50
11	Oro-antral fistula	.. Maxillo-facial and oral Surgery.	65
12	X-Rays	.. ..	114
13	Fracture	.. ..	35
14	Abscess Incise	.. ..	150
15	Alveolectomy	.. ..	13
16	Apiecectomy	.. ..	1
17	Osteotomy	.. ..	14
18	Impacted Third Molar	.. ..	320
19	Sutures Removed	.. ..	214
20	Excision of Epulis	.. ..	5
21	Dressing	.. ..	430

Serial No.	Department			Departments	Total
22	Cyst Operation .. .. .	..	..	Maxilo-Facial and Oral Surgery.	54
23	Neurectomy .. .. .	..	..	Do. ..	14
24	Condylectomy .. .. .	..	..	Do. ..	9
25	Genioplasty .. .. .	..	..	Do. ..	1
26	Genioplasty with silastic .. .. .	..	..	Do. ..	1
27	Eminectomy .. .. .	..	..	Do. ..	1
28	Exploration .. .. .	..	..	Do. ..	8
29	Ext. and Immediate Denture .. .. .	..	..	Do. ..	2
30	Ext. of Supernumary .. .. .	..	..	Do. ..	5
31	Curettage .. .. .	..	..	Do. ..	16
32	Correction of D.N.S. .. .. .	..	..	Do. ..	1
33	Curettage of E.O. Sinus .. .. .	..	..	Do. ..	4
34	Frenectomy .. .. .	..	..	Do. ..	5
35	Arthroplasty .. .. .	..	..	Do. ..	3
36	Mandibulectomy .. .. .	..	..	Do. ..	5
37	Maxillectomy .. .. .	..	..	Do. ..	3
38	Cald-well Luc .. .. .	..	..	Do. ..	5
39	O.A.F. Closure .. .. .	..	..	Do. ..	7
40	Revision of Scar .. .. .	..	..	Do. ..	3
41	Reconstruction of lip .. .. .	..	..	Do. ..	1
42	Reconstruction of mandible .. .. .	..	..	Do. ..	1
43	Resuturing .. .. .	..	..	Do. ..	10
44	Removal of calculus .. .. .	..	..	Do. ..	1
45	Reconstruction of orbital floor .. .. .	..	..	Do. ..	1
46	Skin grafting .. .. .	..	..	Do. ..	2
47	Silastic grafting .. .. .	..	..	Do. ..	2
48	Closure of Tracheostomy wound .. .. .	..	..	Do. ..	1
49	Tongue tie .. .. .	..	..	Do. ..	1
50	Vestibuloplasty .. .. .	..	..	Do. ..	3
51	Operations under L.A. .. .. .	..	..	Do. ..	1,263
52	Operations under G.A. .. .. .	..	..	Do. ..	175
53	Free .. .. .	..	..	Do. ..	235
54	Rupees .. .. .	..	..	Do. ..	46,465

APPENDIX 'B'—(Contd).

(B) EXODONTIA DEPARTMENT.

Clinical Yearly Report from 1st April 1983 to 31st March 1984.

Serial No.	Description	Morning	Evening	Total
1	New Patients	..	..	23,224
2	Old Patients	..	..	14,780
3	Total Patients	..	..	38,004
4	Male	..	..	24,120
5	Female	..	..	13,004
6	Children	..	..	880
7	Consultation	..	..	3,645
8	Prescription	..	..	7,356
9	Teeth Ext.	..	..	28,260
10	G. A. Ext.	..	..	..
11	Root Exts.	..	..	718
12	X-Rays	..	..	1,343
13	Medication	..	..	..
14	Abscess Incise.	..	..	40
15	Alveolectomy	..	..	63
16	Flushing	..	..	142
17	Flap Removed	..	..	30
18	Impacted Third Molar	..	..	241
19	Suture removed	..	..	475
20	Apicectomy	..	..	..
21	Dressing	..	..	76
22	Cyst operation	..	..	3
23	Free	..	..	2,801
24	Rupees	..	..	68,796.50

APPENDIX 'C'

DEPARTMENT OF ORAL PATHOLOGY BACTERIOLOGY.

MIROOLO

Administrative report from 1st April 1983 to 31st March 1984.

Serial No.	Description	Total
1	Pathology Biopsies.	18
2	Surgical Biopsies.	381
3	Total No. of Biopsies.	399
4	No. of Paraffin Blocks.	496
5	No. of Teeth and Embryo Blocks	40
6	Recutting of Blocks.	85
7	Total No. of Blocks cut.	621
8	Total No. of Paraffin slides prepared...	2,484
9	No. of Slides routine stain	621
10	No. of Slides special stain.	662
11	Total No. of Slides Stain	1,283
12	No. of Ground Sections.	45
BLOOD INVESTIGATIONS		
Haematological :		
1	No. of Haemoglobin.	1,090
2	Bleeding time.	1,085
3	Clotting time.	1,085
4	No. of WBC (Total Count.).	1,080
5	No. of White Cell Morphology.	1,080
6	Plateletcount.	80
7	Erythrocyte Sedimentation Rate.	340
Biochemical Investigations :		
8	Blood Sugar.	250
9	Blood urea nitrogen.	190
10	Serum Alkaline Phosphatase.	50
11	Serum Cholesterol.	5
12	Serum Electrolyte.	5
13	Serum Creatinine.	5
14	Serum Bilirubin.	..
15	Blood S. G. O. T. S. G. P. T.	3
Serological Investigation		
16	V. D. R. L.	155
Bacteriological Investigation :		
17	Culture & Sensitivity.	80
18	Aspirated Fluid for Cholesterol Crystal	55
Urine Investigation :		
19	Urine Sugar	1,085
20	Urine Albumin	1,085
21	Urine Microscopic.	1,085
22	Bile salt and Bile pigment.	1,085

APPENDIX 'D'

ORAL DIAGNOSIS AND RADIOLOGY DEPARTMENT

Annual Report from 1st April 1983 to March 1984

Details of Radiography taken and Reported

Serial No.	Month	Intra Oral Films.	Extra-Oral Films. (6½"×8½)	Extra-Oral Films. (8"×10")	Extra-Oral Films. (12"×15")	Panagraph Films.	Occlusal Films.	Child Films.	Total No. of Patients.
1	April 1983	1329	31	114	..	62	1	11	742
2	May 1983	1413	143	..	..	72	6	17	897
3	June 1983	1597	197	5	..	66	12	14	941
4	July 1983	1426	200	50	1	27	9	27	987
5	August 1983	1222	210	..	2	44	19	38	942
6	September 1983	1122	104	36	..	73	12	163	976
7	October 1983	904	116	66	1	66	12	90	863
8	November 1983	1459	194	..	1	51	13	139	1137
9	December 1983	1013	162	..	1	62	9	300	946
10	January 1984	1222	195	..	..	89	19	203	1062
11	February 1984	1040	159	..	..	85	18	436	956
12	March 1984	937	173	..	..	93	14	91	855
Total		14439	1894	321	6	790	144	1529	11304

APPENDIX 'E'

DEPARTMENT OF PERIODONTOLOGY.

Clinical Report from 1-4-1983 to 31-3-1984

Serial No.	Description	Morning	Evening	Total
1	New Patients	..	..	7,677
2	Old Patients	..	..	15,082
3	Total Patients	..	..	22,759
4	Male	..	..	14,051
5	Female	..	..	8,331
6	Children	..	..	377
7	Consultation	..	..	7,580
8	Medication	..	..	542
9	X-Ray	..	..	462
10	Sealing (Sitting)	..	..	7,179
11	Sealing Completed	..	..	3,063
12	Free	..	..	385
13	Curettage	..	..	133
14	Gingivectomy	..	..	225
15	Free	..	..	27
16	Flap Operation	..	..	302
17	Pack placed or Removed	..	..	606
18	Impressions	..	..	18
19	Splints	..	..	..
20	Occlusal Adjustments	..	..	11
21	Acute Infections	..	..	..
22	Intra-muscular Injection	..	..	4
23	Intra Venous Injection	..	..	..
24	Ruptes	..	..	43,381

APPENDIX 'F'

DEPARTMENT OF OPERATIVE DENTISTRY
Clinical Yearly Report from 1-4-1983 to 31-3-1984.

Serial No.	Particulars	Total.
1	Old Patients	23,028
2	New Patients	5,755
3	Total Patients	28,783
4	Male	16,690
5	Female	12,093
6	Medication	2,007
7	Consultation	6,250
8	X-Ray paid (Intra-Oral)	3,932
9	In tra-Oral X-Ray Free	1,312
10	Cavity Cutting & ZNOE	7,703
11	Ag. Filling Paid.	3,975
12	Ag. Filling Free	1,108
13	Total Ag. Fillings	5,083
14	Porcelain Fillings paid.	255
15	Porcelain Fillings Free	63
16	Total Porcelain Fillings	318
17	Gold Inlays Paid	66
18	Gold Inlays Free	35
19	Total Gold Inlays	101
20	Full Crowns paid.	242
21	Full Crowns Free	124
22	Total Full Crowns	366
23	Jacket Crown Paid	296
24	Jacket Crown Free	83
25	Total Jacket Crown	379
26	Root Canal Treatment paid	603
27	Root Canal treatment Free	183
28	Total Root Canal Treatment	786
29	R. C. Dressing	2,628
30	Pulp Capping	195
31	Paid Pulpotomy.	150
32	Pulpotomy Free.	23
33	Apisectomy Paid.	51
34	Apisectomy Free.	5
35	Dowel Paid	39
36	Free Dowel	29
37	Total Dowel	68
38	Composite filling paid	38
39	Composite-filling free...	7
40	Aspa filling paid	45
41	Aspa filling free	9
42	J. C. Gold Backing paid.	20
43	Blood Examination	38
44	Urine Examination	36
45	Zinc Phosphate Cement filling.	22
46	Certificate given	2
47	Handed over I.O. X-ray films to the patient with frees	22
48	Amount Collect Rupee.	98,845.00

APPENDIX • G •
ORTHODONTIA DEPARTMENT
Clinical Annual Report for the year 1-4-1983 to 31-3-1984.

Sr.No.	Particulars	Total
1	New patients' Visits (Consultation)	494
2	Old Patients' Visits	8,995
3	Total Visits	90,89
4	Male Adults	1,992
5	Female Adults	3,840
6	Children	3,257
7	Impressions	1,105
8	X-Rays	459
9	Cephalograms	294
10	Photographs	131
11	New Patients' Treatment Started	320
12	Space Maintainers Given	15
13	Fixed Appliance New Patients	121
14	Removable Appliance New Patients	199
15	Fixed Appliance Adjustments	969
16	Removable Appliance Adjustments	1,691
17	Special Appliances.	105
18	Extra Oral Appliances....	15
19	Retention Plates (Complete Cases)	42
20	Check-up Done	4,387
21	Amount Collected Rs.	Rs. 10,0470/-
22	Charges	232
23	Free	88

APPENDIX—'H'

PEDODONTIA DEPARTMENT

Yearly report from 1st April 1983 to 31ST March 1984.

Serial No.	Description	Total
1	New Patients	4,836
2	Old Patients	16,765
3	Total Patients	21,601
4	Consultation	3,450
5	Medication	3,517
6	Complete Treatment Under G.A.	44
7	Cavity cutting Zno. filling	3,573
8	Ag. Filling paid	1,334
9	Ag. Filling free	2,173
10	Ag. Filling total	3,507
11	Pulpotomy paid	167
12	Pulpotomy free	84
13	Pulpotomy total	251
14	R.C. Filling paid	47
15	R.C. Filling free	20
16	R.C. Filling total	67
17	Scaling and Polishing paid	115

APPENDIX—H—(Contd.)

Serial No.	Description	Total
18	Scaling and Polishing free	398
19	Scaling and Polishing total	513
20	Extraction paid	4,960
21	Extraction free	2,968
22	Extraction total	7,928
23	R. C. dressing	818
24	X-Ray paid	436
25	X-Ray free	366
26	X-Ray total	802
27	Blood and Urine exam	49
28	Pulp capping	26
29	Isopas	13
30	Jacket crown	9
31	Apicoectomy	3
32	Check up	537
33	Refer to ortho	26
34	Refer to Maxillo focal	36
35	Fissur Sealing	13
36	Rupees	2,72,292

APPENDIX 'I'

PROSTHETIC AND CROWN AND BRIDGE DEPARTMENT
Annual Report from 1st April 1983 to 31st March 1984

Serial No.	Description	Total
1	New Patients.	1,112
2	Old Patients.	6,440
3	Total Patients.	7,552
4	Male Patients.	4,694
5	Female Patients.	2,789
6	Children.	69
7	Consultations.	2,263
8	Complete dentures.	980
9	Partial dentures.	641
10	Repair of dentures.	297
11	Crown & Bridge treatment.	25
12	Obturator & Cleft palate.	2
13	Relining & Rebasing.	9
14	Other Mechanical appliances (Mandibulactomy, T. M. Joint, Training flange, Biteraising etc.)	2
15	Immediate dentures.	17
16	Total Collection (Revenue).	71,221
Free Work done during the Year :		
	Complete dentures.	267
	Partial dentures.	199
	Repair of dentures.	53
	Crown & Bridge.	7
	Relining & Rebasing.	7
	Total amount collected through poor box Fund by receipts.	Rs. 215

APPENDIX 'J'

Report of the Dental Camps for the year 1983 to 1984.

Month	Camps	Patients treated
April 1983	17	152
May 1983	7	177
June 1983	11	146
July 1983	12	292
August 1983	20	1095
September 1983	21	741
October 1983	18	414
November 1983	18	282
December 1983	16	745
January 1983	21	587
February 1983	22	668
March 1983	25	683
Total	208	5982

APPENDIX 'K'

List of Scientific Publication and Papers read during the year 1983/84.

OPERATIVE DENTISTRY

Doctor.	Subject	Particulars.
Dr. D. R. Shahani .. and Trilokekar	Enamel solubility of glass ionomer aesthetic filling material.	Paper sent for publication to I.D.A.
Dr. D. R. Shahani .. and Dr. Gandhi.	Electro sterilisation of root canal.	Do.
Dr. D. R. Shaahani .. and Dr. Dixit.	Comparative study of sodium flouride solution and fluoride varnish on acid resistant tooth enamel.	Do.
Dr. D. R. Shahani.	Recent trends in Endodontics. Paper read at Indian Dental Asson. at the Scientific Session.	
Dr. D. R. Shahani ..	Treatment for hypersensitive dentine	Do.
Dr. D. R. Shahani.	A study of Bacterial invasion in human nonvital dentin.	
Dr. D. R. Shahani.	Effect of Beta methasone and neomycin sulphate on infected human dental pulp.	Do.
Dr. D. R. Shahani.	Recent concept on vital pulp therapy.	Paper presented to Association of Dental Surgeons, Ahmedabad

PERIODONTOLOGY

Dr. R. P. Nayak. ..	'Fluorides'	.. Participated in a symposium at the VIII Annual Conference of Indian Society of Periodontology held in Trivandrum in Jan. 1984.
Dr. I. R. D'Silva. ..	'Betel chewing and It's effects on periodontal tissues.'	Scientific paper presented at the VIII Annual Conference of Indian Society of Periodontology held at Trivandrum, Jan. 1984.
Dr. I. R. D'Silva. ..	Total plaque control is the key factor in Preventive Periodontics.	Published in Bulletin of Indian Society of Periodontology Vol. 7 No.2 , 1983, page 21
Dr. H. N. Vijayakar.	Children ' A Paving stone to Prevention.	Published in bulletin of Indian Society of Periodontology. vol-7 No. 1, 1983. page 8.

ORAL ANATOMY, HISTOLOGY, ORAL PATHOLOGY AND MICROBIOLOGY.

Dr. A. P. Bhatt .. Dr. V. R. Brave.	Squamous cell carcinoma of jaw mandible.	May 1983 Journal Indian Dental Assoc.
Dr. A. P. Bhatt. ..	Gingival enlargement in leukemia.	June 1983 Journal Indian Dental Assoc.
Dr. A. P. Bhatt. ..	Harmonal contraceptive gingivites.	July 1983. Journal Indian Dental Assoc.
Dr. A. P. Bhatt. .. Dr. L. S. Poonja. ..	Calcifying odontogenic cyst.	.. July 1983. Journal Indian Dental Assoc.
Dr. A. P. Bhatt. ..	Dilantin hyperplasis.	.. Aug. 1983 Juournal Indian Dental Assoc.
Dr. A. P. Bhatt. ..	Peripheral ossifying fibroma.	.. Sept. 1983 Journal Indian Dental Assoc.
Dr. A. P. Bhatt .. Dr. V. R. Brave.	Chronic hyperplaste gingivites.	Oct. 1983 Journal Indian Dental Assco.

Doctor	Subject	Particulars.
Dr. A. P. Bhatt. Dr. V. R. Brave.	Eruption cyst of gingiva.	Nov. 1983. Journal Indian Dental Assoc.
Dr. A. P. Bhatt.	Verruciform Xanthoma.	Dec. 1983 Journal Indian Dental Assoc.
Dr. A. P. Bhatt.	Palatal abscess.	Jan. 1984 Journal Indian Dental Assoc.
Dr. A. P. Bhatt.	Pleomorphic Adenoma.	Feb. 1984, Journal Indian Dental Assoc.

Doctor	Subject	Particulars.
MAXILLO FACIAL, PASTIC AND ORAL SURGERY		
Dr. J. N. Khanna.	"An Asymptomatic, Non-ulcerted swelling of the Palate." A Case Report.	Paper read at the National Oral Surgeons' Annual Conference, held at Jaipur, by Dr. Miss Neelam P. Bhatia on 9th Dec. 1983.
Dr. J. N. Khanna. Dr. Mrs. J. S. Galinde.	"Indications of Le Fort-I Osteotomy" Report of 20 cases.	Do.
Dr. Mrs. N. A. Malik Dr. P. G. Nadkarni. Dr. Miss. T. G. Khubchandani.	"Ameloblastoma—a Diagnostic Quandary"	On 9th Dec. 1983.
Dr. J. N. Khanna Dr. Miss Anita Wagle	"Bilateral Osteomyelitis of the Maxilla & Zygoma."	On 9th Dec. 1983.
Dr. J. N. Khanna. Dr. Mrs. J. S. Galinde	"Management of Mandibular fractures with Bone plate."	Journal of Indian Dental Association
Dr. J. N. Khanna. Dr. Mrs. J. S. Galinde	"Problems in Management of Trigeminal Neuralgia"—Report of 140 cases.	International Journal of Oral Surgery.

Invited and participated in Caranio Facial Surgery Symposium organised by E. N. T. Surgeons National Conferencd at Ahmedabad, held in 6th 7th and 8th Jan. 1984.

ORAL DIAGNOSIS AND RADIOLOGY.

Doctor	Subject	Particulars.
Dr. S. A. Jakhi. Dr. (Miss) B. K. Parekh Dr. (Miss) F. J. Dadrewalla.	Tuberculosis Osteomyelitis of the Mandible. (A Case Report)	Journal of Indian Dental Association 55 : 193—196; 1983.
Dr. S. A. Jakhi Dr. (Miss) B. K. Parekh Dr. S. D. Gupta.	Phosphorus Necrosis of the Maxilla.	Journal of Oral Medicine; 38 : 174-176; 1983 (Oct. Dec.)

ORTHODONTICS

Dr. A. B. Modi

(1) Dr. A. B. Modi was invited as Guest Speaker at the Annual Conference of the Indian Association of Pedodontia and Preventive Dentistry at Manipal in January 1984 and read a paper.

(2) Dr. A. B. Modi was invited to be Chairman of Symposium at the same conference.

Dr. N. H. Parikh.

(1) Dr. N. H. Parikh was invited to participate in teachers training programme in dental health organised by M. P. State Branch of Indian Dental Association.

(2) Dr. N. H. Parikh attended the Indian Dental Conference in December 1983.

(2) Dr. N. H. Parikh attended the Indian Dental Conference in December 1983.

Dr. (Mrs.) T. M. Bhagtani.

(1) Dr. T. M. Bhagtani attended the Conference of Indian Orthodontic Society at Khajur aho in October 1983.

PEDODONTIA

Dr. S. G. Damle : Reader in Pedodontia, Nair Hospital Dental College.

(1) Fluride and Dental Health; A Paradox presented on 4th March 1984, Sunday at Hotel President., Bombay. (Represented Nair Hospital Dental College).

(2) The effects of dental caries and periodontal disease in children. Lecture delivered on 25th March 1984 at Nagada (M. P.) as as guest speaker, was invited by I. D. A. Nagada Branch and Lions club of Nagda (M.P.)

PROSTHETIC DENTISTRY

Dr. A. A. Rahmatulla.

(i) A vitra study of the role of retentive groove in complete cast crowns.

(ii) Clinical and microbiological investigations in the treatment in the cases of denture s stomatitis.

topic (i) is under publication.

APPENDIX 'L'

Prizes and Awards won by the staff and students of the College.

Serial No.	Name of student.	Name of Prize
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ACADEMIC

1	Shri Deodhar S. S.	I—B.D.S.	Silver Jubilee Scholarship
2	Miss Mehta Jagruti S.	II—B.D.S.	Silver Jubilee Scholarhips
3	Miss Joshi Sujata B.	III—B.D.S.	Silver Jubilee Scholarship.
4	Miss Mirchandani U. N.	IV—B.D.S.	Silver Jubilee Scholarship.
5	Miss Joshi Sujata B.	III—B.D.S.	Dr. J. M. Dubhash Scholarship.
6	Miss Mirchandani U. N.	IV—B.D.S.	Dr. P. P. Shahani Scholarship.
7	Miss Mirchandani U. N.	IV—B.D.S.	Best Student Award.
8	Miss Mirchandani U. N.	IV—B.D.S.	Raksha Dharia Scholarship
9	Best student award delivered by Medical Welfare.		

Trust :

One for Male and one for female.

Male prize awarded to :—

(1) Dr. Pradeep G. Nadkarni.

Female prize awarded to :—

(1) Dr. (Miss) Usha N. Mirchandani.

(10) Scholarships, Medals awarded by the University of Bombay to the students of this college for different academic Achievements to Dr. (Miss) U. N. Mirchandani in final B.D.S. examination held by the University of Bombay in April 1983.

(i) Dr. Jimmy N. Dubhash prize for higest No. of marks in the subject of Prosthetic Dentistry.

(ii) Mrs. Indumati Zaveri Scholarship and Rustomji Bejonji Vqechha Memorial scholarship for securing highest No. of marks in final B.D.S. examination.

(11) Merit Award of Indian Society of Periodontology awarded to (a) Dr. (Miss) N. P Bhatia and Dr. (Miss) Nandana S. Kolwalkar for standing first in the subject of Periodontology at Final B.D.S. examination held by the University of Bombay in April 1983.

G. T. B. Hospitals

HIGH-LIGHTS OF THE YEAR 1983-84.

I The services aim at the following :

1. To ensure proper control and effective working of the Anti-T. B. activities conducted by various agencies in Greater Bombay to bring this disease under reasonable control.
2. To give concentrated attention to the management and implementation of the measures to be adopted in the control of the disease.
3. To co-ordinate and manage the whole T. B. programme.
4. To remove short-falls which are in existence in the control programme.
5. Research work.

Achievements :

Six Up-graded General Dispensaries which were adopted as Area Tuberculosis Centres have been replaced by full fledged T. B. Clinics at Suburban General Hospital. Seven Area Tuberculosis Centres have been added to the present strength of 20 Area Tuberculosis Centres raising the total to 27 Area Tuberculosis Centres in Greater Bombay.

II.—Expenditure :	Rs.
1. Total Expenditure	3,07,89,618
2. Amount spent on In-patients	2,77,50,718
3. Amount spent on Out-patients	30,38,900
4. Average cost per day on—	
(i) In-patient	72.9
(ii) Out-patient	7.77

III.—Significant Activities :

1. Schedule Bed Strength	1,330	+	250	G. T. B. Hospitals Sarvodaya Hospital Ghatkopar.
	1,580			
2. Admissions	12,100			
3. Daily average of In-patients	1,043			
4. Out-patients at Clinics	24,804			
5. Average stay of patient in the hospital	1 ½			months.
6. Operations carried out	317			
7. Health visits paid	8,026			
8. Patients advised hospitalization, by Board	1,173			
9. Patients covered under City Tuberculosis Programme	43,191			
10. Patients under treatment at Municipal Centres	83,208			

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 T. B. 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 T. B. Clinic, Samaldas Gandhi Marg, Bombay 2.
- (4) Municipal T. B. Clinic, Balaram Street, Bombay 8.
- (5) Municipal T. B. Clinic, Khar, Bombay 52.
- (6) Municipal T. B. Clinic, Nawab Tank, Bombay 10.
- (7) Municipal Sub-T. B. Clinic, K. B. H. K. Bhabha Hospital, Kurla, Bombay 70.
- (8) All Free Municipal General Dispensaries and T. B. Sections in General Hospitals (City & Suburbs, extended Suburbs.)

In addition to above, the Corporation have hired 250 beds for T. B. Patients at the Sarvodaya Hospital at Ghatkopar, where in-patients are treated.

Thus, the total bed strength of both the Municipal and hired beds comes to 1,580, as under :—

G. T. B. Hospitals—	Male	Female	Children	Total
Medical Ward ...	852	269	35	1156
Surgical Ward ...	131	43	...	174
	983	312	35	1330
Sarvodaya Hospital, Ghatkopar (Hired beds) ...	200	50	...	250
Total ...	1183	362	35	1580

After discharge, 7,893 patients attended the hospital for follow-up.

G. T. B. Hospitals—

From previ- ous Year	Patients		Discharged			Remained at the end of the year
	New Admissions	Total	Cured	Otherwise	Died	
1973	12,100	13,073	8,106	2,541	1,449	977

Statistical data revealed the high incidence in the age-group of 40-45 years. Ratio of death to total patients treated was 11 percent.

Municipal TB Clinics—

The six T.B. Clinics serve as Diagnostic and Treatment Centres for Pulmonary Tuberculosis patients. They also serve as Out-patient Centres, for admissions to the Group of T.B. Hospitals at Sewri, or to Sarvodaya Hospital at Ghatkopar.

Names of the clinics	No. of patients attended	T. B. Cases	Non- T. B. Cases
(1) R. D. T. B. Clinic, Dadar	7,771	4,552	3,219
(2) Samaldas Gandhi Marg T. B. Clinic	5,743	2,601	3,142
(3) M. M. Munshi T. B. Clinic, Khar	14,738	8,950	5,788
(4) Balaram Street, T. B. Clinic	7,978	5,446	2,532
(5) Nawab Tank T. B. Clinic	4,389	1,139	3,250
(6) Sub-T. B. Clinic, at Bhabha Hospital, Kurla	2,972	2,116	856
	43,591	24,804	18,787

Sarvodaya Hospital, Ghatkopar :

The following beds were reserved in Sarvodaya Hospital, Ghatkopar by the Corporation —

For TB patient	250
For Orthopaedic patients	360

From previ- ous year	Patients		Discharge			Remained at the end of the year
	New Admissions	Total	Cured	Otherwise	Died	
236	928	1,164	723	...	195	246

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 incidental expenses. Amount of Rs. 34,994.05 was collected for the Poor Box Charity Fund of the hospital & Clinics during the year.

Teaching—

The Group of T. B. Hospitals and T. B. Clinics continued to be recognised for Diploma course in Tuberculosis and Chest diseases by the college of Physicians and Surgeons Bombay and for Degree Course in M. D. (Tuberculosis and 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 & L. T. M. M. College, Sion.

City Tuberculosis Programme—

The Municipal Corporation of Greater Bombay have established City Tuberculosis Programme in Greater Bombay on behalf of State Government. The Central Government gives free supply of Anti-T. B. Drugs to the City Tuberculosis Programme of the Corporation. It is also under consideration of the Central Government to grant "X-Ray machines with Odelca Camera" for T. B. Clinics.

For proper implementation of this programme, Greater Bombay has twenty seven centres (Area Tuberculosis Centres) for diagnosis & treatment. and 166 General Dispensaries working as Treatment centres for T. B. Patients. Two are managed by State Govt. and one by Central Government and six by Private Agencies including Maharashtra State Anti-TB Association and the remaining 18 by the Municipal Corporation. Work at all these centres is co-ordinated by Medical Supdt., G.T.B. with the assistance of Medical Officers, of T. B. Clinics and Assistant Health Officer (T. B.) and the staff consisting of 4 T. B. Inspectors, 88 Treatment Organizers, 15 Health Visitors and 1 B. C. G. Team Leader. This staff is engaged on case-findings, case-holding and for defaulter-action.

Following are the upgraded dispensaries, Peripheral Centres (T. Cs.) and B. C. G. Vaccination Centres covered by each Centres.

Ward	Area (Sq. km.)	Population	Name of the A. T. C.	No. of upgraded dispensaries peripheral centres (T. Cs.) and B. C. G. Vaccination Centres covered by each A. T. C.		
				Upgraded Disp. having facilities of screen-ing & Lab.	Peri- Pheral Cent. (T. B. Centres)	B. C. G. Vaccine Centre
A	10.48	1,89,367	G. T. Hospital	1	4	5
B	2.47	1,74,536	Municipal T. B. Clinic at Nawab Tank, Mazgaon.	2	1	3
C	1.79	3,11,795	Bombay Port Trust T.B. Clinic Municipal T. B. Clinic at Samaldas Gandhi Marg. 'C' Ward Medicial Association TB Clinic.	2	3	1
D	6.63	4,47,811	Municipal T. B. Clinic at Balaram Street. B. Y. L. Nair Hospital.	1	3	4
B	7.40	4,62,065	J. J. Hospital	6	5	10
F/W	10.5879	7,93,981	R. D. T. B. Clinic, Dadar	7	6	10
F/B	10.559		O. H. T. B. Clinic, Sewri Gurudwara TB Clinic.	...	...	...
G	18.84	9,81,028	Bai Gulbai Dispensary, Dadar, Bombay 28. E.S.I.S. Centres, Worli.	6	14	8
H	25.8	7,24,644	M. M. Munshi T. B. Clinic at Khar, Bombay	4	5	2
K	43.00	5,74,275	Cooper Hosp., Juhu Vile Parle L. & T. Clinic, Andheri Holy, spirit TB Clinics, Andheri.	5	8	7
L	13.00	4,33,571	Bhabha Hospital, Kurla Sub-T. B. Clinic.	2	5	1
M	62.19	5,67,625	MAA Hosp., Chembur. U.H.C., Deonar.	..	9	4
N	39.00	5,95,019	Rajawadi Hosp., Ghatkopar.	1	5	3
P	74.83	6,68,925	Malad General Hospital, Haji Bapu Road., Malad(E).	2	8	2
R	82.73	5,61,338	Bhagwati Hospital, Borivali (W). Ashwinikumar TB Centre, Borivli. (W).	1	4	4
T	41.44	2,28,114	M. T. Agarwal Municipal General Hospital., Mulund (W). Mulund Gen. Hop., Mulund (E).	1	5	2

Every Area Tuberculosis Centre is staffed by Medical Officer, Health Visitor and 2 to 3 T. B.-Investigators (Treatment Organizers) and some members of 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 Laboratories. All the Peripheral Centres which are Municipal General Dispensaries serve as the Treatment Centres only. The Medical Record Department of the hospital and T.B. Clinics and the Central Statistical Section for the services is located at the Group of T.B. Hospitals, Sewri, respectively for collection of data.

As provided under the National Tuberculosis Programme, the Central Control Agency is also formed under the Chairmanship of the Municipal Commissioner.

B. C. G. Programme. :-

(1) B. C. G. Vaccination to children below 2 years of age is carried out in all the 22 Municipal Maternity Homes and in the paediatric wards attached to 12 municipal general hospitals. In all there are 62 B. C. G. Vaccination centres in Greater Bombay.

(2) Maharashtra Government's B. C. G. Team No. 1 and Organised Home Treatment Clinic, Sewri, carry out B.C.G. work in private Schools. In addition, O. H. T. Clinic is also conducting B. C. G. in slums during their shibirs.

(3) Central Training Centre of the Municipal Corporation has been established at the Rajawadi Hospital, Ghatkopar for imparting training in B.C.G. Technique to the staff involved in City Tuberculosis Programme. This Centre is conducted by Non-medical Team Leader (B.C.G.) trained at the National Tuberculosis Institute, Bangalore. In all 2,20,894 B. C. G. Vaccinations were given during the year.

The Bombay City Tuberculosis Control Campaign—1982 :

The TB Control Campaign which was started in 1982 has been concluded.

“Performance Budget :—

The performance budget has been introduced from 1976-77. The details in respect of the target laid down and the target achieved are enclosed. The reasons for short falls and steps for maximising the Output performance are also briefly stated in the table No. 1.

Dr. A. P. RAO
Medical Superintendent,
Group of T. B. Hospitals

TABLE No. I
Group of T.B. Hospitals, Sewri.
Performance Targets and Achievements—Hospitals

	Target laid down	Target Achieved	Remarks.
1 Indoor Cases	14,000	12,000	Due to introduction of system of rationalisations, are T. B. pts. selected by the Board are admitted. All pts. attending to this hospital are not admitted as was done in the part.
2 Operations (Nos.)	200	3.7	
3 Follow-up Examination	8,300	7,893	
4 Patients kept on	400	1,173	
5 X-rays—			Due to shortage of X-ray Films. Screening is done as and when required.
(a) Mass Miniature Radiography	21,000	19,868	
(b) Big Plates (Nos.)	8,600	7,488	
(c) Screening Exams. (Nos.)	400	147	
6 Pathology—			Pathology Test is done as and when required.
(a) Blood	22,000	12,651	
(b) Sputum	50,000	47,343	
(c) Urine	12,000	19,441	
(d) Stools	300	314	
(e) Histopathology	450	428	
(t) Sensitivity Test	2,000	1,959	
(g) Pleural Fluids & Biochemistry	7,100	6,066	
(h) Blood Bank	2,100	1,369	
(i) Serology	500	213	

TABLE NO. 2.

Anti T. B. Activities carried out in the year 1983.

(1) No. of New T. B. patients interviewed by Treatment Organisaers.	33,995
(2) No of repeaters interviewed by Treatment Organisers.	1,59,297
(3) No of home visits paid by Treatment Organisers and T. B. Inspectors at the residence of the patients.	66,278
(4) No. of close contacts contacted.	41,220
(5) No. of close contacts referred to TB Clinics for detection and treatment.	12,236
(6) No. of close contacts who attended T. B. Clinics.	5,977
(7) No. of positive cases detected from the referred contacts.	1,033
(8) Defaulters (i) Total No. of defaulters :	39,349
(ii) No. of defaulters brought on regular treatment.	19,837
(iii) No. of defaulters yet to be brought on regular.	19,512
(9) No. of persons who have undegone B. C. G. Vaccinations.	4,737
(10) No. of school children who have under T. B. treatment.	3,693
(11) No. of B. C. G. Vaccinations in Municipal School.	..
(12) No of Laboratory Examination done at Municipal General Upgraded Dispensaries :	
(a) Blood (E.S.R.)	15,310
(b) Urine.	23,127
(c) Sputum	11,762
(d) Screening	
(i) Positive	2,297
(ii) Negative.	24,928

Dr A.P. RAO,
Medical Superintendent,
Group of T.B. Hospitals

PROGRAMME WORK—LOAD SUMMARY OF T. B. CLINICS.

1983	R.D.T.B. Clinic Dadar.		Samaldas Gandhi Marg T. B. Clinic.		Baram St. T. B. Clinic		M. M. Munshi T. B. Clinic. Khar		Nawab tank T. B. Clinic.		Sub-T. B. Clinic Bhabha Hospital Kuria		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 ...	5,000	4,552	1,300	2,601	1,700	5,446	8,000	8,950	1,100	1,139	3,500	2,116	(1) The X-ray Machines at Samaldas Gandhi Marg T.B. Clinic is not working.
(b) Non-T. B. Cases	2,500	3,219	6,100	3,142	4,000	2,532	5,500	5,788	1,500	3,250	1,300	856	
Total ...	7,500	7,771	7,400	5,743	5,700	7,978	13,500	14,738	2,600	4,389	4,800	2,972	
II.—X-RAYS													
(a) Mass Miniature Radiography	15,000	17,110	12,000	...	10,000	9,774	13,000	14,338	5,500	7,597	Shown under R.D.T.B. Clinic Dadar		(2) Pathology Examination are done as and when required. (3) Under City Tuberculosis Programme pattern of Health Visiting is changed Health Visitors and Treatment Organiser visit ATCs., General Dispensary and house of the patients in the area given to them. Hence, Health Visitings are less.
(b) Big Plates	200	69	400	...	200	256	700	911	...	...	...	...
III.—PATHOLOGY													
(a) Blood Exam. ...	100	77	1,200	439	600	120	100	...	100	270	...	...
(b) Sputum ...	7,500	6,464	4,200	4,113	7,000	7,054	12,000	12,683	2,500	3,836	4,000	4,067	
(c) Urine ...	...	...	10	28	10	197	200	...	20	2	...	...
IV.—Health Visiting	1,000	810	1,000	1,795	2,000	1,494	2,500	1,086	1,500	1,721	700	1,120	

Dr. A. P. Rao
Medical Superintendent,
Group of T. B. Hospitals

Serial No,	Designation	Name of the Officer	Qualification		Period		Remarks
			From	To	From	To	
1	2	3	4	5	6	7	8
1	Medical Superintendent.	Dr. A. P. Rao	MD, TDD, FCCP (U.S.A.)	2-5-83	31-5-83		Substitute arrangement was made by promotion of Dy. M.S.
2	Ag. Medical Superintendent.	Dr. (Smt.) V. G. Advani	MD, TDD	2-5-83	31-5-83		Promoted as Ag. M.S. from 2-5-83 under D.M.C.(I) s' order No. PPK/278 of 13-5-1983.

(Dr. A. P. Rao)
Medical Superintendent,
Group of T. B. Hospitals.

Seth A. J. B. Municipal E. N. T. Hospital

HIGH LIGHTS :

	Expenditure	Rs. P.
(A) (1) Total expenditure including liabilities.		27,74,953.25
(2) On In-Patient.	..	18,49,968.84
(3) On Out Patient.	..	9,24,984.42
(4) Amount collected from Poor-Box.	..	25,582.43
(B) Average Cost :		
(1) Per In-patient per day.		76.58
(2) Per Out Patient attendance.		10.38
 II—Results :		
(A) (1) Scheduled Bed Strength		100
(2) Daily average In-patient in Wards.	...	18
(3) Admission including those brought over previous year (3673 & 43)		3716
(4) Patients Discharged.		
(i) as cured	..	3703
(ii) as Unchanged
(iii) as Left against Medical advice.	..	2
(iv) Expired.	..	1
(v) Remained in the Hospital on last day of the year.	..	10
(5) Highest number of admission on a single day (7-12-1983)	..	20
(6) Average stay of the In-patient (in days).	..	1.53
(B) (1) Patients (New)	..	50,834
(2) Daily average of Out patients (New)		168
(3) Out Patients (New & Old)	..	89,050
(4) Daily average of Out Patients attendance.	..	294
(5) Higher number of attendance on a single day (8-11-1983)	..	523

Seth A. J. B. Municipal E. N. T. Hospital.

The Municipal Ear, Nose and Throat Hospital which was started in December 1962 at Improvement Trust Building has been renamed as Seth Atmasingh Jasasingh Bankebihart Municipal E. N. T. Hospital.

The Scheduled bed strength of the Hospital is 100. But as the Hospital building is under repairs since 13-5-1982. only 30 to 60 beds out of 100 were commissioned for patients admitted in the Hospital during the year. 3576 operations were performed on in-patients. In Pathology Department following investigations were performed.

(a) Clinical Pathology	..	19699
(b) Bio-Chemistry.		841
(c) Histo-pathology		814

In Radiology Department 3,767 patients came for X-Rays 4,130 X-Ray were taken, 3,222 films used for X-Rays. The X-Ray machine was under repairs in the April and May during the year.

An audiology Room for full comprehensive hearing tests of handicapped individuals with services of speech therapist are also available in this hospital.

In audiology speech therapy Department 4,258 audiograms, 204 repeat audiograms, 224 Post audiograms, 168 special test, 360 speech cases were recorded.

An amount of Rs. 25,582.43 P. was collected through the poor Boxes during the year. Tracheostomy tubes, blood for transfusion and teflon piston were provided to the poor and deserving patients at part/full cost 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 the yogic treatment are encouraging. Besides diabetic patients have also been attending for Yogic treatment.

Since 11th Oct. 1983 a Medico-Social Worker was been appointed at this hospital. The work carried out by the Deptt., is given below :—

Months	Audit Deaf	Child Deaf	T. B.	Cancer	Misc.
Nov.	19	11	8	5	21
Dec.	15	9	6	3	26
	34	20	14	8	47

The Deaf children are re-habilitated at special school and vocationed centres. Audit deaf patients are helped by assessing their need to obtained hearing aids at Charitable rate.

(1) Total Home Visits Paid	..	..	..	..	..	8
(2) Visits to the Institution for Deaf	..	..	..	..	..	9
(3) Visits to Cancer Institution	..	..	..	..	..	1

The Medical Staff consisted of

No. of posts.

(a) Honorary E.N.T. Surgeons	..	..	..	..	..	7
(d) Honorary Assistant E.N.T. Surgeons	..	..	..	..	..	1
(c) Honorary Associate E.N.T. Surgeons	..	..	..	..	..	2
(d) E.N.T. Registrars	..	..	..	..	..	5
(e) E. N. T. House Surgeons.	..	..	..	..	..	5
(l) 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.	..	..	..	..	..	23

Rs. 20,08,098.04 P. have been spent on establishment of Hospital during the year.

Dr. (Smt.) S. C. BASRUR,
Assitant Medical Officer.

Seth V. C. Gandhi and M. A. Vora Municipal General Hospital, Rajawadi, Ghatkopar

		Rs.
Highlights :		
I—Expenditure.		1,84,79,258
(A) (1)	On in-patients	1,23,19,505
(2)	On out-patients.	61,59,753
(B) Average Cost per.		
(1)	In-patient per day.	74.44
(2)	Out-patient per day	9.17
II—Results-In-patients		
(A) (1)	Scheduled Bed Strength	559
(2)	Daily average in-patient in wards.	469
(3)	Admissions including those brought over from previous year.	29,804
(4)	Number of patients discharged as	
(i)	Relieved	11,000
(ii)	as cured	7,448
(iii)	Otherwise	9,226
(iv)	Expired	1,694
	Within 24 hours	717
	After 24 hours	299
	Exceeding 3 day	678
(v)	Remained in the hospital on the last day of the year.	436
(vi)	Daily average number of admissions.	80
(vii)	Average stay of in-patients (In days)	5 days.
(viii)	Highest number of in-patients in a single day.	564
(B) Out patients.		
(i)	Total New Out patient attendance	82,158
(ii)	Daily average number of new out-patients.	268
(iii)	Highest O.P.D. attendance on a single day. New	477
(iv)	Total No. of casualty attendance	70,144
(C) (1)	Total Operations on in-patients	9879
(2)	Total Operations on out-patients.	3147
(D) Confinements		
(i)	Booked cases	7,345
(ii)	Emergency cases	275
(iii)	Normal	4,937
(iv)	Abnormal	608
(v)	Left before delivery	312
Neo-natal and Maternal deaths—		
(i)	Maternal deaths.	10
(ii)	Neo-natal deaths.	93
(iii)	Still-Births.	351
(iv)	Premature live born infants	96
Specialised treatments.		
(i)	Sterilization (Male)	137
(ii)	Sterilization (Female)	1111
(iv)	Medical termination of Pregnancy	690
A. Revenue collected from 1st April 1983 to 31st March 1984.		
		Rs.
(i)	O. P. D. Form charges	3,09,568.00
(ii)	Indoor Form charges.	1,36,200.00
(iii)	Overstay charges	1,57,113.00
(iv)	Delivery charges	13,500.00
		6,16,381.00
B. Revenue collected from 1st April 1983 to 31st March 1984.		
		Rs.
(i)	Misc. Receipts	1,19,731.00
(ii)	Misc. Fees	76,565.00
(iii)	Rent of Bldgs.	4,465.00
(iv)	Contingencies	2,584.00
(v)	Scrap materials sale	13,306.00
		2,16,651.00

C. Poor Box Fund	Rs.
(i) Charges for issuing Medical Opinion etc. certificates.	10,856.00
(ii) Amount collected by way of partial reimbursement of expenses incurred on purchase of Injection Medicines etc.	25,572.00
(iii) Donation for providing X-Ray plates.	2,18,685.00
(iv) Amount of donations collected from charity boxes in the wards	5,344.57
	2,60,457.57
Total Revenue Collected During 1-4-83 to 31-3-84.	10,93,489.57

Seth V. C. Gandhi M. A. Vora, Municipal General Hospitals, Rajawadi, Bombay-400 077

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. M. J. Nerukar, M. S. held the post of Medical Superintendent during the year and he was in addition assigned the function of effective control and development of other suburban Hospitals from 13th May 1982. He was appointed as Director P. H. & CAS from January 1984, Dr. (Mrs.) S. K. Pershad was appointed as Medical Superintendent from 19th January 1984. Dr. V. M. Jaisinghani held the post of A. M. O. (Administration).

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 (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 (6-30 to 8 P. M. daily except Sundays and Bank Holidays) (18) Casualty (19) Anti Rabic Immunization (2 to 3-30 P. M. Daily except Sunday and Bank Holidays) (20) Radiology (21) International Health Certificates (22) Medico Social Service Department (23) School Clinic (24) Tuberculous Clinic (25) Immunization Clinic (9 to 11 A. M.) (26) E. C. G. Department (27) Diabetic Clinics. Fridays 9-11 A. M. (28) Pediatric Surgery.

DEPARTMENT OF MEDICINE

The Department of Medicine consists of 3 full time Units, each manned by Honorary & Hon. Asst. Professors. Each Unit conducts O. P. D. & emergency services twice a week by rotation.

The Gastroenterology Department is looked after by a Physician and a Surgeon jointly and under their supervision and guidance the number of Gastrosopies done during the year under report was 796, 50 cases were referred from other hospitals.

Diabetic O. P. D. is conducted every Friday when blood sugar estimation is done on the spot on Ame's 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.

Attendance of Patients at this Diabetic O. P. D. for the year under report is 2200 approximately,

MEDICAL INTENSIVE CARE UNIT ! CARDIAC CARE UNIT

These units were started at this hospital from May 1979. Serious cases were admitted directly to these units and cases transferred from other units were also treated. Only trained Staff and doctors are posted for work in these units.

Combined total admission	1208
Total Deaths	259
Mortality rate	21.5%

The Break up is as follows :

Diseases (Systemwise)	Admitted	Expired
1 Alimentary System	85	22
2 Gastroenteritis	20	2
3 Metabolic diseases like diabetes etc	40	4
4 Poisoning case	114	7
5 Post operative cases	41	10
6 Central Nervous System	113	60
7 Renal	17	5
8 Respiratory System	89	20
Cardiovascular System		
9 Angina	253	48
10 Mitral Incompetence	236	55
11 Sybendo cardial Infarction	13	1
12 Hypertension	93	12
13 Myocarditis	5	1
14 Pericarditis	10	1
15 Mitral Stenoses	25	..
16 Aortic Stenoses	5	2
17 Aortic Incompetence Aortic Stenoses	10	2
18 Pulmonary Embolism	1	1
19 Corpulmonale	38	6
Total ..	1208	259

The 10 beds Medical Intensive Care Unit & Intensive Cardiac Care Unit is managed by all the 3 Medical units by rotation.

The medical department holds clinical meetings every Tuesday in the hospital where interesting cases are presented & discussed among the 5 units.

DEPARTMENT OF GYNAEC AND OBSTETRIC

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 Nagar, Vikhroli, Bhandup and Deonar. The cases transferred required specialised obstetric care and were often referred for both diagnosis and treatment.

On the academic side, the teaching programmes for students were carried out meticulously. The students posted here learnt theory, watched and assisted operations in the theatre and were shown all the minor but essential outdoor procedures. The teaching programmes consisted of lectures, case studies, operation theatre attendance and emergency duties. Thus inspite of the limits of the rather confining schedule of their postings, the students benefited considerably.

The participation in seminars held by the department of Obstetrics and Gynaecology was regular. A wide variety of topics were discussed in these proceedings. The outcome was of immense benefit to all concerned and of special value to the post graduate students.

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 number (See Appendix III & IV).

Each Antenatal patient's blood analysis is done as well as regular weight, urine examination besides general and abdominal examinations are also done.

These clinics proved extremely beneficial in the detection and treatment of obstetrical malaise in the form of anaemia, cardiac disease, diabetic hypertension etc.

The interns posted regularly attended O. P. D., performed 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.

DEPARTMENT OF EAR, NOSE AND THROAT

This Department consists of one part-time unit under Hon. E. N. T. Surgeon and Hon. Prof. of E. N. T. and functions twice a week. (See Appendix III & IV).

DEPARTMENT OF ORTHOPAEDICS

This Department consists of only one unit under the charge of Hon. professor of Orthopaedic Surgery and Hon. Orthopaedic Surgeon. This Department functions twice a week.

1	Total No. of Admissions	1831
	Male Ward	1182
	Female Ward	649
2	Routine Operations	547
3	Emergency Operations	1057
4	Closed Reductions	1048
5	O. P. D. attendance	4383
6	Casualty attendance	6490

Departmental activities :

1. Internal fixation course conducted for fellows from Johnson & Johnson in December 1982.
2. Clinical meeting of Bombay Orthopaedics Society was held in April 1983.
3. M. S. (Orthopaedics) examination was conducted for 27 students in April 1983.
4. M. S. (Orthopaedics) examination was conducted for 36 students in November 1983. This is the only hospital besides teaching institutions to conduct postgraduate examination of Bombay University.
5. Operative demonstration for "Emerck Fellows" in November 1983.
6. Case presentation in Clinical meeting of Bombay Chapter of "Association of Surgeons of India" in December 1983.
7. The department has facilities to perform advanced procedure like arthroscopy which is routinely carried out with teaching attachment for arthroscope and there is a plan to perform total replacement of joints in near future.

8. The department is working on following projects to be presented in future conferences and journals.

- (a) Bone grafting in infected cavities.
- (b) Internal fixation of fractures in and around joints.
- (c) Special plaster immobilization for fractures of shaft of humerus.
- (d) Osteocutaneous flaps for infective bone loss in forearms.
- (e) Operative correction for Sprengel's shoulder.
- (f) Sliding tendon grafts for old flexor tendon injuries.

9. Dr. M. V. Sohani presented a paper on "Internal Fixation" of fracture patella, in the conference of the Maharashtra Chapter of Association of Surgeons of India held at Thane in March 1984.

DEPARTMENT OF SKIN & V. D.

This Department functions on all days except Sundays. This Department consists of only part time unit which is headed by Hon. Professor of Dermatology (See Appendix III & IV).

DEPARTMENT OF OPHTHALMOLOGY

This Department consists of one part time unit under Hon. Professor of Ophthalmology/Hon. Ophthalmologist and functions twice a week.

The total O. P. D. attendance was approximately 3035.
Total No. of operations carried out was 825.
Total No. of Casualty patients seeking treatment were approx. 2006.

Amongst the major & enterprising achievements of the department during the last year are Insertion of Intra ocular Implants in two of the routine cataract patients with excellent post operative results. Both the patients had a vision of 6/6 far distance without any additional spectacle correction & N5 near vision with a suitable near vision addition.

Besides the routine work research work this year includes an elaborate study of the efficacy of Lensectomy as a procedure for the management of cataracts in young patients as against the conventional surgery for young cataracts.

A meticulous record regarding interesting cases including a detailed work out with fluorescein angiography & Funds Photographs is maintained for academic interest.

A large number of fluorescein angioscopies were carried out during the last year.

As far as the Post graduate teaching programme is concerned extensive teaching schedule is designed with regular P. G. Clinics, for the M. S. registered candidates.

The library also had a good addition of some latest publications.

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.

M. T. P. & Laparoscope sterilisation are now done as one day procedures. This gave tremendous boost to family planning programme. Approximately 20% increase was noted in Sterilisation figures. About 50% increase was noted in I. U. C. D. & M. T. P. figures. Because of closer contact of F. W. staff with the patients, Oral Pills & Nirodh figures were also increased by about 25% & 50% approximately.

Rajawadi Hospital was recognised as approved place for conducting M. T. P. in the year 1984.

Laparoscope was given to the centre from F. W. Unit, B. M. C. for conducting Laparoscopic tubal ligations. It was possible to conduct the laparoscopic sterilisation camp at Dharavi Health Centre due to availability of Laparoscope of this centre.

Due to this boost in activity, Rajawadi Hospital could get 2nd prize for the family Welfare activity among the municipal centres. (See Appendix VIII).

DEPARTMENT OF DENTISTRY

This Department consists of one part time unit under Hon. Dental Surgeon and function of all days except Sundays.

	Old	New
1. No. of patients	10,436	3,701
2. No. of tractions	2,988	..
3. No. of fillings	487	..
4. No. of Scalings	379	..
5. No. of Surgeries	54	..

Department of Occupational Therapy and Physio Therapy—

This functions on all days of the week except Sunday.

Yearly workload is as under :—

Indoor attendance	..	..	..	..	21,067
O. P. D. attendance	..	..	..	..	36,628
Sarvodaya Hospital	..	..	..	..	16,240
Total	..				93,935

Department of International Health Certificate—

This department functions on all days of the week except Sunday and Saturday and Holidays. People desiring Health Certificate for going abroad attend this centre between 2.00 p.m. and 2.30 p.m.

During the year 1983, the following immunizations were done :—

Anti Cholera	..	..	..	..	1,471
A.T.B.	..	..	..	..	24

Evening Dispensary for Municipal Employees—

The dispensary functions daily except Sunday between 6.30 p.m. and 8 p.m. for Municipal Employees. Municipal employees are examined by the A.M.O. on duty (See Appendix III).

Department of School Clinic—

Functions on all days except Sunday. Children from neighbouring Municipal Schools are brought to the O.P.D. for examination, treatment etc. during the afternoon session (See Appendix IX).

Department of Tuberculosis—

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 patients who are suffering from Pulmonary Tuberculosis. The patients are referred from surrounding dispensaries and by other doctors practicing in the vicinity of this hospital.

The analysis of the patients treated is as below :

New patients	424	Old patients	13,770
--------------	-----	--------------	--------

Patients transferred to T.B. Hospital 83.

Total No. of patients screened for Tuberculosis 6,447.

Department of Immunization—

	1st dose	2nd dose	3rd dose	Total
Triple Vaccine ..	1,387	1,473	1,210	4,070
Polio Vaccine ..	1,694	1,536	1,258	4,488
B.C.G. ..	5,722	..	..	..
Masces ..	..	..	..	..

Functions on all days except Sunday between 9.00 a.m. and 11.00 a.m.

Library—

The total number of books added to the Library during the year 1983 was 77 as against 60, during the previous year 10 books are to be received.

The Library had subscribed towards 29 Medical Journals as against 37 in the previous year.

Total 34 Medical books and 63 Medical Journals were got bounded.

The Library had at the end of the year 1,000 books as against 921 during the previous year some of the issues have not been received yet. They are likely to be received within a short period.,

Electro/Cardiogram Section—

E.C.G. Indoor Patients	..	..	..	..	4,631
E.C.G. O.P.D. Patients	..	..	..	..	3,823
Total	..				8,454

(For Diagnosiswise classification See Appendix X).

Department of Radiology—

Total No. of patients X-Rayed.

Indoor	..	..	..	..	17,619
Outdoor	..	..	..	..	15,990
Total	..				33,609

Total No. of M.M.R. 6,447.

Department of Blood Bank—

(1) No. of Voluntary Blood donation camps	..	..	..	..	14
(2) Total No. of Voluntary Donors	..	..	..	..	950
(3) Total No. of Replacement Donors	..	..	..	..	1,537
(4) Total No. of Bottles collected	..	..	..	..	2,487
(5) No. of Bottles transferred	..	..	..	..	2,059
(6) No. of bottles sent to Hafkine Institute	..	..	..	..	264
(7) No. of bottle sent to other hospitals	..	..	..	..	118
(8) Balance on 31st December 1983	..	..	..	..	46

Following investigations are done in the Blood Bank.

(1) Blood Grouping	..	..	..	..	12,215
(2) X-matching	..	..	..	..	3,289
(3) Australia Antigen test	..	..	..	..	1,505
(4) Coomb's Test	..	..	..	..	120
(5) Antibody Titre	..	..	..	..	60

One Technician was trained at Blood Group Ref. Centre at Patel for Blood Bank work.

Department of Audiology and Speech Therapy—

Total No. of Audiograms	..	..	..	..	981
Total No. of speech cases	..	..	..	..	107

Type of Speech cases –

(1) Aphasia	..	..	..	..	7
(2) Dyslalia	..	..	..	..	6
(3) Mental retardation	..	..	..	..	8
(4) Voice Disorders	..	..	..	..	25
(5) Delayed Speech and Language	..	..	..	..	3
(6) Hard of Hearing	..	..	..	..	32
(7) Cerebral palsy	..	..	..	..	2
(8) Stammering	..	..	..	..	19
(9) Dysarthria	..	..	..	..	4
(10) Nasaling	..	..	..	..	1

(Requirement of this department : Sound proof room. Full time post.)

Department of Psychiatry –

This department consists of one part time unit under Hon. Psychiatrist and functions on all days except Sunday.

The Psychiatry O.P.D. was started in October 1978. The old and new patients were examined and treated at the O.P.D. No. 13(A) between 1.30 p.m. and 4.00 p.m. (Daily except Saturday Sunday and Holidays).

The Number of patients treated are as follows :

New Patients	..	..	..	..	1,164
Old Patients	..	..	..	..	2,922
No. of patients referred from indoor wards	..	..	..	..	49

The table showing diagnosis wise distribution of patients during 1983.

Diagnosis	No. of Patients 1983
1. Phychosis	
(a) Schizophrenia	184
() M. D. P. (i) Mania	3
(ii) Depression ?	81
(c) Organic Psychosis	20
2. Neurosis	
(a) Anxiety Neurosis	114
() Hysterical Conversion Reaction	14
(c) Neurotic Depression	601
3. Personality disorder & addiction	9
4. Psycho-somatic disorders	5
5. Epilepsy	32
6. Mental Subnormality	22
7. Miscellaneous	19
8. Nil active Psychiatric	18
9. Undiagnosed	42
Total	1164

(a) Other Treatments
E. C. T.

Patients for E. C. Ts were called on Mondays & Fridays.

No. of cases	91
No. of E. C. Ts.	314

(b) Social Case Work:

The social worker attends Psychiatry O. P. D. from Monday to Friday from 1-30 P. M. to 4-00 P. M. The duties performed by her are as follows :

(i) Collecting Psychiatric history of all the new cases. (Total number of patients this year was 1164).

(ii) Social case work and counselling —

The patients who are in need of social case work are referred to Medico Social Worker. This year 28 patients were referred for social case work and counselling. Each interview lasts for about half an hour. Total number of sessions this year is 135.

A research project of "Psychiatric illnesses and family structure" was started during this year. A total of 414 cases were included and interviewed. A paper is sent for publication.

Department of Medical Social Service

Medical Social Service Department is managed by 2 Medico Social workers who handled individually. The work load is as given below :

General Section I—

Total number of cases referred during the year 1983 under different categories are as follows :

Categories	New patients	Old patients
(1) Paediatric cases for Bal Amul and Banalona Powder ..	20	23
(2) Medical Aid	222	416
(3) Unmarried mothers for M.T.P. and given children in adoption	5	8
(4) Misc. i.e. for other reasons such as job, case work etc. ..	6	14
Total No. of cases ..	253	461

II.—Cases carried over—4.

III.—Case work done No. of cases—6.

IV.—No. of social service institutions and agencies contacted for donations and other material help—8.

V.—No. of employees contacted—2.

VI.—Handled the N.S.S. (Hospital) Project of—

(i) Somaiya College of Arts and Commerce.

(ii) Somaiya College of Science.

(iii) Smt. P. N. Doshi women's College.

(iv.)—Smt. S. U. Somaiya Junior College of Education.

(v.)—Ramniranjan Jhunjhunwala College.

VII.—Handled the Scout hospital project of Fatima High School, Ghatkopar.

Recreational Projects like decorations of Diwali and X-mas eve are arranged with the help of N.S.S. students. Also arranged few lectures for N.S.S. students on First Aid and patients care.

VIII.—Schedule and costly medicines are supplied to the O.P.D. patient daily from social service Department between 9.00 a.m. and 12.30 p.m. Daily approximately 100 patients are referred to S. S. Department for these medicines.

IX.—In addition to above duties social worker also assesses the Indoor patients for over stay charges.

X.—The social Worker attends Psychiatry O.P.D. from Monday to Friday from 1.30 p.m. to 4.00 p.m. The duties performed by her are as follows :—

(i) Taking down the complaints and family history of newly registered patients.

(ii) Social case work and counselling.

This year 28 patients were referred for social case work and counselling.

MEDICO SOCIAL SERVICE (GENERAL SECTION) II

(1) Total cases referred during the year	..	..	..	..	497
(A) Casess Carried over	..	..	..	..	21
(B) Case work done	..	..	..	..	5
(II) (I) Blood Bank Cases Handled	..	..	..	..	86
(II) Blood Donation Camp attended	..	..	..	..	2
(A) Somaiya College of Arts and Science, Vidhayavihar.					
(B) Utkarsh Yuva Mandal, Kalayan.					
(III) No. of Institutions Visited for Blood Bank	..	..	..	..	3
(A) Chembur Compressive College of Education, Chembur, Bombay 74.					
(B) Acharya Arts and Science College, Chembur. Bombay 74.					
(C) Somaiya Arts, Science ad Commerce College, Vidyavihar.					
(2) Orthopaedic Cases handled (both in Rajawadi and Sarvodaya Hospital) Appliances like S. P. Pins, Nailing screws supplied at concessional rates as per patient's Socio economic condition 60 per cent recovery is met from the patients and rest amount is sanctioned from the Poor Box Fund.					
(3) No. of Institutions visited regarding Orthopaedic Appliances.					
(A) All India Institute of Physical Medicine and Rehabilitation Keshavrao Khade Marg, Haji Ali ,Bombay 74.					
(B) NASEOH—Palton Road, Bombay 1.					
(4) Medicines supplied to O.P.D. and Indoor	..	..	..	..	145
Suppl'ed non Scheduled Medicine to Indoor patients with the help of P.B.F.	..	..	..	..	5
No. of Institutions <i>i.e.</i> visited for providing Medicines	..	..	..	..	3
(5) Spectacles provided to poor patients with the help of one charitable Institution <i>i.e.</i> Narayan Seva Mandal, Ghatkopar, Bombay.					
(6) Handled N.S.S. Projects arranged by Somaiya College and S.P.N. Doshi College by S.N.D.T. and Jhunjunwala College Students.					
(7) Home visits	..	..	..	..	25
Attended problems of discharged patients having no relatives, amade arrangement for their escort by ambulance and sent some of them to their native place <i>i.e.</i> U. P. and M.P. by paying their railway fare from P.B.F.					

DIET DEPARTMENT

One full time dietician and Diet Clerk manage this department.

481 patients were given thereapeutic diet advice. Regular follow up of diabetic patients was done. The working of the kitchen was improved. Meetings were held with the labour union and Labour Officer and duties of the kitchen staff were evaluated and confirmed.

MEDICAL RECORD DEPARTMENT

Recovery of fees from Outdoor and Indoor patients from January 1983 to December 1983.

	Rs.
O.P.D. Patients	3,04,334
Indoor patients	1,34,496
Receipts/Advance	1,61,136
Total	5,99,966

Medico Legal Section—

Issue of Polic certificate	..	..	..	..	1,625
Doctors deputed to Session Court	..	..	..	..	31
Doctors deputed to Metropolitan Court	..	..	..	..	199
Re:cord made available to Motor Tribunal Court	..	..	..	..	56

SARVODAYA HOSPITAL

Rajawadi Hospital has got 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 Sarvoday Hospital.

Awards—

A function for distribution of prizes was held at Dr. Jiwraj N. Mehta hall, K.E.M. Hospital Parcel on 16th December 1983 and the below mentioned sisters of this hospital were awarded cash prizes.

(1) Sister P. M. Kamat—Mayor's award for best trained Nurse.

(2) Sister S. B. Karalkar—Municipal Commissioner's Prize for best trained Nurse and Midwife Nurse.

Highlights during the year under report (Comparison between 1982/83).—

No. of inpatients has increased from 29,332 to 29,804.

Daily average inpatients has increased from 453 to 469. Total indoor attendance has increased from 1,65,479 to 1,71,042. The O.P.D. attendance (New) including Casualty has decreased from 1,67,813 to 1,52,302. The daily O.P.D. average of new patients has decreased from 351 to 268. The number of operations has increased from 11,684 to 13,026. The total expenditure has decreased from 1,88,59,830 to 1,84,79,258.

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 also 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 functioning. A proposal to house it in a shed to be constructed on the terrace of the old hospital building as a temporary measure has been turned down by the architect as the building is old. Additional space for Medical Record departments is required as all Medicolegal Indoor papers and X-rays have to be kept for 10 years for court purposes.

R. M. O's, Quarters—

The R.M.Os. are at present housed in the quarters which were occupied by the labour staff. The new building of R.M.O's quarters is planned with the central ambulance scheme.

The need for the new R.M.O's quarters is very urgent. The house officers which are required to be appointed to fulfil the M.C.Is. requirement for completion of staff pattern of one unit cannot be met with due to the lack of the accommodation for the R.M.Os.

Future Development—

Centralised Ambulance Service plan is being formulated and token provision for funds has been made.

The work of construction of Coroner's court is being taken in hand by October/November 1984.

Purchase of the following equipments is being pursued in 1984-85.

- (1) Gastroscope.
- (2) EEL 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	37	36	..	73
Surgical	57	27	..	84
Burns	..	12	..	12
Gynaecology.	..	58	..	58
Obstetrics.	..	108	..	108
Paediatrics	..	..	74	74
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
Side Rooms	..	..	..	..
Medical	6	2	..	..
Surgical	2	..	..	..
Obstetrics.	..	2	..	..
Gynaec	..	2	..	..
Orthopaedics	..	..	2	..
Total	174	309	76	559

APPENDIX No. II.

No. of accident cases treated.

Sex.	Treated in Casualty Department 1983	Admitted through Casualty Department.
Male	13,361	1,843
Female	3,673	1,089
Children } Male Female	1,956	660
	995	439
Total	19,985	4,031

APPENDIX No. III

Statement Showing the out-patients (New O. P. D. Casualty) in Rajawadi Hospital during the year 1983, 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	8414	6597	..	..	15011	9685	5686	..	..	15371
Surgical	4510	1918	1419	943	8790	14390	4474	2506	1317	22687
Ophthalmic	1388	1122	324	201	3035	1273	454	188	91	2006
Gynaec.	..	6736	..	..	6736	..	4706	..	..	4706
Dental	1066	1250	362	221	2899	376	301	76	49	802
Skin and V. D.	3001	1636	1124	846	6607	789	317	163	123	1392
E. N. T.	1045	976	585	415	3021	979	570	600	396	2545
Orthopaedic	1833	1329	665	456	4283	3511	1189	1152	638	6490
Psychiatric.	471	550	5	9	1035	..	..	..	..	..
Paediatrics.	..	..	4644	3816	8460	..	..	5258	3947	9205
Maternity	..	7621	..	..	7621	..	..	..	..	..
New Born	..	..	528	428	956	..	..	..	..	..
Anti Rabic	..	..	..	..	..	1057	437	779	400	2673
T. B.	255	161	6	2	424	..	..	..	..	..
B. C. G.	..	..	2158	1967	4125	..	..	..	..	..
B. M. E.	..	..	..	..	..	1128	457	400	282	2267
Polio Triple	..	..	4956	4199	9155	..	..	..	..	..
Total	21983	29896	16776	13503	82158	33158	18591	11122	7243	70144

APPENDIX.—IV.

Summary of In-patients classified according to Department and Sex.

Deptt. Sex.	In the hospital on the midnight of 31-12-1982	Admitted during the year.	Total	Discharged		Death	Remaining in the hosp- ital on the midnight of 31-12-1983
				cured	Otherwise		
1. Medical							
Male	47	2897	2944	200	2487	204	53
Female	30	1946	1976	230	1597	123	26
M/ch.	..	..	..	..	..	..	..
F/ch.	..	..	..	..	..	..	..
Total	77	4843	4920	430	4084	327	79
2. Surgical—							
Male	39	2584	2623	500	1947	113	63
Female	10	777	787	100	625	41	21
M/ch.	6	599	605	100	493	10	2
F/ch.	..	220	220	40	173	6	1
Total	55	4180	4235	740	3238	170	87
3. Ophthalmic—							
Male	9	393	402	105	284	..	13
Female	8	301	309	90	213	..	6
M/ch.	..	43	43	20	23	..	..
F/ch.	..	29	29	5	24	..	..
Total	17	766	783	220	544	..	19
4. Gynaec—							
Female	37	1602	1639	300	1304	8	27
F/ch.	..	..	..	..	..	..	..
Total	37	1602	1639	300	1304	8	27
5. Skin & V.D.							
Male	7	159	166	48	114	..	4
Female	..	62	62	40	16	4	2
M/ch.	..	12	12	6	6	..	..
F/ch.	..	12	12	8	4	..	..
Total	7	245	252	102	140	4	6
6. I. C. U.—							
Male	5	682	687	..	488	191	8
Female	1	261	262	..	191	69	2
M/ch.	..	..	..	..	..	..	..
F/ch.	..	..	..	..	..	..	..
Total	6	943	949	..	679	260	10
7. Orthopaedics—							
Male	22	987	1009	884	68	23	34
Female	16	377	393	30	337	14	12
M/ch.	4	280	284	15	265	..	4
F/ch.	3	188	191	15	168	2	6
Total	45	1832	1877	944	838	39	56
8. E. N. T.—							
Male	5	439	444	215	256	2	8
Female	8	394	402	100	231	1	9
M/ch.	2	175	177	90	103	..	2
F/ch.	2	157	159	55	92	..	2
Total	17	1165	1182	460	698	3	21
9. Paediatrics—							
Male	23	3040	3063	150	2529	354	30
Female	20	2317	2337	80	1926	316	15
Total	43	5357	5400	230	4455	670	45
10. Maternity—							
Female	106	8082	8188	4000	4097	14	77
Total	106	8082	8188	4000	4097	14	77
11. Burns—							
Male	2	6	8	..	..	7	1
Female	6	218	224	12	35	171	6
M/ch.	2	73	75	5	60	9	1
F/ch.	3	69	72	5	54	12	1
Total	13	366	379	22	149	199	9
Grand Total	423	29381	29804	7448	20226	1694	436

APPENDIX VI

PATHOLOGY DEPARTMENT

Department-wise yearly workload of 1983.

Bacteriology & Serology :-

Gram Stain. ..	15,551	Pericardial Fluid Culture. ..	37
B Stain. ..	3,311	Hydrocele Fluid Culture ..	32
Albert Stain. ..	411	Sinoveal Fluid Culture ..	91
●ot Culture. ..	4,913	Wound Swab. ..	72
Blood Culture. ..	820	Umbilical Swabs. ..	84
Pus Culture. ..	1,066	Ulcer Swab. ..	19
Urine Culture ..	1,837	Bronchial aspiration. ..	16
Sputum Culture. ..	932	Nasal Swab ..	112
C.S.F. Culture. ..	1,730	Pharyngeal Swab. ..	35
Stool Culture ..	317	Miscellaneous ..	256
Throat Swab ..	481	O. T. Sterility (Swab) ..	1078
Eye Swab ..	312	Blood V D R L ..	15,040
Ear Swab ..	273	CSF V D R L ..	508
Anti biotic Sensitivity Test ..	2,083	Blood Bank V D R L ..	1,821
Urethral smear ..	110	Blood Widal ..	1,133
Biochemical test ..	2,083	Blood paul Bannel ..	...
Pleural Fluid ..	738	R.A. Test ..	564
Cluture. ..		Pregnancy Test ..	504
Ascitic Fluid Culuture ..	341	Casonils Test ..	5
Vaginal Swab Culture ..	82	C.S.F. Widal. ..	..
Gastric Fluid Culture ..	45	Hydrocele Fluid Culture ..	33
Pericardial Fluid Culture ..	37		

T. B. CLINIC

Hb ..	3200	Urine ..	3275
CBC ..	2172	Sputum ..	9500
ESR ..	3400		

O. P. D. & Indoor routin work.

Hb. ..	18,622	Semen ..	1602
TC ..	15,032	Fluids & CSF ..	2,800
DC ..	15,032	ANC Hb ..	14,300
ESR ..	14,000	BT CT ..	22,41
Urine ..	23,560	Central Blood Collection ..	35,000
Stool ..	8,205	Sputum ..	9,705

SCHOOL CLINIC

Hb. ..	1,640	BT ..	628
TC ..	1,389	CT ..	628
DC ..	1,389	Urine ..	739
ESR ..	779	Stool ..	514
		MISC ..	147

Haematology.

Haemoglobin ..	8,047	R. B. C. Count ..	1462
Total Count ..	8,037	P. C. ₂ V. ..	1241
Diff Count ..	8,037	Retic Count ..	1464
E. S. R. ..	3,922	Platelet Count ..	1504
P. C. V. ..	1,311	Osmotic fragility ..	04
Complete Haemogram ..	1462	Bone Marrow ..	49
Haemoglobin ..	1462	Sickle cell Test ..	15
Total Count ..	1462	L. E. cell test ..	66
Diff. Count ..	1462		

Histopathology

Total No. of Tissue received at Rajawadi Hospital ..	3001	Total No of slides stain. ..	5483
Total Nos. of Tissue received from other Hospital (Municipal) ..	185	Total No of Cytology Samples received ..	290
Total No. of Bloes Prepared ..	1,155	Total Total of Cytology Slides. ..	515

BIOCHEMISTRY

Blood Sugar	22,069
Blood Urea Nitrogen	9,603
Serum Creatinine	8,241
Serum Uric Acid	598
Serum Albumin	4,129
Serum Protein	4,114
Serum Cholesterol	3,205
Serum Bilirubin Total	3,208
Serum Bilirubin Direct	3,208
S. G. O. T.	4,857
S. G. P. T.	4,013
Serum Amylase	78
Serum Calcium	33
Serum Alkaline Phosphatase	600
Serum Sodium	4,741
Serum Potassium	4,741
Gastric Analysis	60
Prothrombin time/Prothrombin Index	582
Blood Gas Analysis	55

APPENDIX VII

i PHARMACY

Total quantity of preparation for indoor and out-door patients.	
1. Quantity of stock solution preparation	13,112 Litres.
2. No. of packets of tablets made	610,3536 Pack.
3. No. of packets of powder prepared	61,865 Pack.
4. No. of prescription account kept (O.P.D.) (Costly Medicines)	80,112 Nos.
5. Special prescriptions attended	Nil
6. Prescriptions where special drugs issued and account is kept.	Nil
7. Syrup simplex	Nil
8. Stock mixture preparations	20,612 Litres.
9. Ointments prepared	360 Kgs.

APPENDIX VIII

FAMILY WELFARE

1. Persons contacted for F.P. education	Nil.
2. No. of cases given advice	21,23
3. No. of active cases following F.P. methods	1,210
4. Clinic attendance	3265
5. No. of persons visited at home—	14560
(i) New contacted	1,955
(ii) Follow up	900
6. Vasectomy Operations	217
7. Tubectomy Operations	1111
8. Condom	3990
9. No. of Jelly	Nil.
10. I.U.C.D.	386
11. Oral Pills	241
12. M.T.P.	690
13. Meeting held Gen. 6 Group 105 No. of person attended	3592

APPENDIX IX

SCHOOL CLINIC

The school clinic looks after children from the Municipal Corporation Schools surrounding this hospital.

The analysis of the boys and girls treated as this hospital school clinic is as follows :—

Department	New Cases	Old Cases	Total Cases	Indoor Cases Admitted
Paediatric	1037	7,046	8083	15
Ophthalmic	444	3059	3503	8
E.N.T.	523	4,302	4825	68
Skin	254	1,641	1895	..
Dental	564	2,734	3298	..
Surgery	40	61	101	4
Orthopaedics	74	234	308	4
T.B.	54	531	585	..
Total	2,990	19,608	22598	99

APPENDIX X

Dignosis-wise classification of E.C.Gs.

Serial No.	Name of the Dignoses	Total No.
1	W. N. L. ...	2,810
2	I. H. D. ...	1,327
3	Hypertension	801
4	C. C. F.	238
5	Chest pain	1,039
6	Car pulmonale	150
7	Rheumatic Diseases	66
8	Mitral Diseases	108
9	Aurcular Fibrillation	102
10	Anaemia	313
11	Diabetic	225
12	Angina Pectoris	51
13	Sinus Tachy Cardia	88
14	Sinus bradycardia	145
15	V. S. D.	76
16	A. S. D.	49
17	Miscellaneous	448
18	Heart Block (Complete/in complete)	81
19	Fallots Tetralogy	34
20	P. D.	41
21	Hypertrophy	90
22	Sinus Arrhythmia	95
23	Pericarditis	40
24	Dextrocardia	37
Total No. of E. C. G.		8,454
Total No.		

APPENDIX XI

Departmentwise Classification of Surgical Operations—1983.

	Major	Minor	Total
Orthopaedic	554	3,141	3,695
Ophthalmic	502	323	825
E. N. T.	227	554	781
Surgical	565	1,685	2,250
Gynaec	744	1,584	2,328
Minor O. T.	..	3,147	3,147
Total	2,592	10,434	13,026

APPENDIX XII

The staff of this hospital is as below :

Serial No.	Category	No. of employees
1	Medical Superintendent	1
2	A. M. O. (Admn.)	1
3	Asstt. Medical Officers	14
4	P. T. Physio Therapist	2
5	P. T. Occupational Therapist	2
6	House Officers	25
7	Registraras	18
8	Part Time Audiologist and Speech Therapist	1
9	Casualty Medical Officers	7
10	Matron	1
11	Medico Social Workers	3
12	Jr. Asstt. Matron	2

Serial No.	Category	No. of employees
13	A. M. O. (Relieving)	1
14	Head Pharmacist	1
15	Sisters	25 (One for school clinic).
16	Nurses	181 (5 for school clinic).
17	Health Visitors	2
18	Medical Record Technician	2
19	E. C. G. Technician	2
20	Pharmacist	13 (Mobile Dispensary 1 schools clinic).
21	Sr. Pharmacist	2
22	Head Clerk	4
23	Jr. Stenographer	1
24	Sanitary Inspector	2
25	Clerks	16
26	Typist	2
27	Registration Asstt.	19
28	X-Ray Asstt.	8 (1 for school clinic).
29	Lab. Technician	19
30	X-Ray Asstt.	6
31	Telephone Operators	4
32	Laboratory Asstts.	8
33	P. T. Reg. Asstts.	4
34	Time Keeper	1
35	Jr. Scientific Officer	2
36	Mech. Refrigeration	1
37	Air Conditioning Operator	4
38	Jr. Engineer	1
39	Jr. A. M. O.	1
40	Jr. Physio Therapist	4
41	Jr. Occupational Therapist	4
42	Treatment Organizer	1
43	Jr. Librarian	1
44	Officer-in-charge Medical Records	1
45	Patient's Guide	1
46	Ward Assistants	6
47	Administrative Officer	1
48	Library Attendant	1
49	Jr. Dietition	1
50	Cooks	8
51	Dresser	8
52	Theatre Asstt.	12
53	Theatre Attendant	13
54	Peon	4
55	Ward Attendants	139
56	Carpenter	1
57	Plumber	2
58	Cook mates	9
59	Sweepers	121
60	Labourers	9
61	Mali	3
62	Barber	4
63	Hamal	17
64	Ambulance Attendants	7
65	Electrician	2
66	Stretcher-Cum-Ward boy	2
67	Morgue Attendants	4
68	Full Time Tailor	2
69	Laboratory Attendan	8 (1 for school clinic).
70	Laboratory Servants	9
71	Wiremen	2
72	Liftman-Cum-Wirema	5
73	X-Ray Attendants	6
74	A. C. Halper	4
75	Havaldar	2
76	Labour-Cum-Attendants	7
77	Honorary Staff	32
78	Tutor/Lecturer	15

K. B. Bhabha Hospital, Bandra.

This hospital continued to render medical relief services 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 1983 is as under :

High Lights :

I — Expenditure—

(A) 1. On inpatients	Rs. 46,33,496.61
2. On out-patients	Rs. 43,01,313.00
(B) Average cost per—	
1. In-patient per day	Rs. 86.89
2. Out-patient per day	Rs. 06.82

II — Results—In-patients

(A) 1. Scheduled Bed Strength	204
2. Daily average in-patients	146
3. Admissions including those brought over from previous year.	
4. Number of patients discharged as	12,823
(i) Relieved	142
(ii) as cured	10,689
(iii) Otherwise	124
(iv) Expired	282
(v) Remained in the hospital on the last day of the year	139
(vi) daily average number of admissions.	30
(vii) Average stay of in-patients (in days)	7 days
(viii) Highest number of in-patients in a single day	29-11-83 194

(B)—Out-patients—

(i) New out-patient attendance	1,33,857
(ii) Daily average number of outpatients.	1,480
(iii) Highest O. P. D. attendance in a single day (5-12-83)	1,336
(iv) No. of casualty attendance	44,286

(C) Operations :—

(i) On in-patients	841
(ii) On out-patients	9,241

(D)—Confinements—

(i) Booked cases	3,413
(ii) Emergency cases	510
(iii) Normal cases	3,191
(iv) Abnormal cases	55
(v) Left before delivery	166

Neo-natal and Maternal deaths :

(i) Maternal deaths	Nil
(ii) Neo-natal deaths	Nil
(iii) Still births	99
(iv) Premature live born infant	126

Specialised treatments :

(i) Sterilization (Male)	466
(ii) Sterilization (Female)	531
(iii) I. U. C. D. (insertion)	98
(iv) Disease-wise distribution of cases treated and deaths including tuberculosis & S. T. D. of all forms.	Enclosed appendix I, II, III

This hospital conducts the following departments.

- (1) Medical (including E. C. G. facilities)
- (2) Surgical (including minor surgery)
- (3) Paediatric.
- (4) Gynaecology and obstretic including anti-natal & Post-natal clinics.
- (5) E. N. T.
- (6) Skin & S. T. D.
- (7) Ophthalmic.
- (8) Dental.
- (9) O. T./P. T.
- (10) Pathological Laboratory
- (11) Blood Bank.
- (12) Family Planning.
- (13) Municipal Staff dispensary (evening from 6.30 p. m. to 8.00 p. m.)
- (14) Anti-Rabic treatment clinic. (Dog bite)
- (15) Issue and authentication of International Health Certificates and inoculation centre.
- (16) Immunization centre of B. C. G., Polio & Triple.
- (17) Speech therapy and Audiology.
- (18) Food handler's Scheme.
- (19) Mobile Dispensary.
- (20) Municipal Medical Examination.
- (21) Casualty.
- (22) In Service Training Programme for Medical Paramedical and Labour Staff.
- (23) X-Ray department (Routine and specialise) investination).

Immunization work done during 1983 is as under

Immunization	1st dose	2nd dose	3rd dose	Booster	Total
(1) Triple Vaccination	1206	878	650	419	
(2) Polio-Vaccination	1296	869	650	393	
(3) Tet. Taxoid (A.N.C.)	1372	2350	677	..	
(4) O.P.D.T.T.				18,925	
(4) New born babies given B. C. G.		1,508			
(5) O. P. D. 1 to 14 years children given B. C. G.		3,272			
(6) Anti cholera		4,469			
(7) T. A. B.		98			
(8) Domicillary visit by two Health visitors (excluding		3,271			
(9) Family Planntng Visits.		1,406			
(10) Well baby clinic (supply of Milk etc.)		4,379			

Summary of attendance of Patients

O. P. D. Total attendance	..	..	..	..	4,52,915
Casualty total attendance	..	..	..	..	44,286
Total admissions	..	..	..	..	11,076
New born babies	..	..	1,925 Male	1,871 Female	3,796

Municipal Staff Dispensary

Total number of Municipal staff patients., treated at this hospital as under—					
New Cases					3,830
Old Cases					4,302
Total attendance					8,132

A. R. V. Cases Treated During the year 1983.

New Cases	..	..	..	..	4,116
Total Cases.	..	..	..	..	14,661

Medico Legal Work :

Type of cases registered during the year.

Average No. of cases registered per day	Accident	Homicide	Suicide	Others	Total
20	2,524	2,569	1,132	959	7,184

Types of Medico Legal work done during the year.

- (1) Consumption of Poisonous drugs, Liquids etc.
- (2) Minor Injuries
- (3) Assault Injuries
- (4) Vehicular Injuries

Metropolitan Magisterial and Session Court cases attended by A. M. O's and C. M. O's during the year as under :—

(1) Metropolitan Magisterial courts cases	..	..	..	..	20
(2) Session courts	..	..	..	..	7
(3) Coronors Court Cases	..	..	..	..	Nil.
(4) Vehicular accident Claim Tribunal	..	..	..	..	2
(5) Judicial Magistrate Court	..	..	..	..	Nil.
(6) A. C. P's inquiries	..	..	..	..	Nil.

Physiotherapy and Occupational Therapy

Indoor Patients.	..	..	..	..	862
Out-door Patients	5,809
Total :	6,671

Audiology and speech Therapy

Out Patients	990
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Nursing Section.

During the year under reference number of nursing staff working at this hospital is as under :—

Senior Asstt. Matron	..	..	..	..	1
Junior Asstt. Matron	..	..	..	..	1
Sister Incharges	..	..	..	..	14
Full trained	..	..	..	..	20
Auxilliary	..	..	..	..	60
Mid-wifes	..	..	..	..	6
Health Visitors	..	..	..	..	2
				Total	104

Family Planning Clinic :

(1) Persons contacted for F. P. education	..	..	..	..	647
(2) No. of cases given advice	..	..	..	..	4,224
(3) No. of active cases following F. P. advice	..	..	..	..	554
(4) Clinical attendance	..	..	..	..	5,946
(5) No. of persons visited at home	..	..	..	..	22,600
(6) Vasectomy done	..	..	..	..	466
(7) Tubectomy done	..	..	..	..	531
(8) No. of cases supplied contraceptive jelly	..	..	..	..	8
Pices Nirodh	..	..	..	..	34,620
(9) No. of cases supplied contraceptive Pills	..	..	..	..	544
(10) No. of M. T. P. done during the year	..	..	..	..	117
(11) No. of cases supplied Loops	..	..	..	..	147

Pathology:

The Pathological report of the various test for the year 1983 is as under :

Blood routine	..	15,097	C. S. F.	..	502
E. S. R.	..	8,355	Body Fluid	..	89
P. C. V.	..	8,355	Sr. Protin	..	256
Urine routine	..	21,665	Sr. Bilirubin	..	252
Stool routine	..	5,694	Sr. Creat.	..	1,309
V. D. R. L.	..	10,860	Cholesterol	..	954
Widal	..	222	Sr. Electrolyte	..	800
BT & CT	..	639	P.T.P.I.	..	232
Blood Grouping	..	10,041	Periferial Smear	..	47
RhOD	..	10,041	Semen	..	493
X-Matching	..	413	Sputum A. F. B.	..	576
Blood Sugar	..	9,646	Gram Staining	..	86
Blood urea	..	3,795	Alka. Phos.	..	114
L. F. T.	..	514	A. N. C. Hb.	..	5,424
SGOT & PT	..	790	Histo. Path.	..	706

Blood Bank :

During the course of the year as many as 962 blood bottles were collected and used as under

No. of blood bottles Collected	..	..	..	..	962
No. of voluntary donors	..	..	..	..	685
No. of replacement donors	..	..	..	..	122
Brought from other hospital	..	..	..	..	155
Bottles used for the hospital	..	..	..	..	371
Bottles sent to other hospital	..	..	..	..	396
Bottles sent for Plasma	..	..	..	..	158
Bottles Discarded.	..	..	..	..	26

The relatives of the patients were motivated to donate blood. Various social organisations were approached for organising campaigns of blood donation. The following organisations arranged the blood donation drives for the hospital.

- (1) S. S. Society, Kherwadi.
- (2) St. Peter's Church.
- (3) M.I.G. Cricket Club.
- (4) Office of Civil Defence Corps.
- (5) Bharatiya Janata Yuwa Morcha.
- (6) St. Tresa's Church, Bandra.
- (7) Mahim Taluka Youth Congress (I).
- (8) National College.
- (9) Youth Congress (I), Kalina.
- (10) Tilak Dnyandeep Mandal, Goregaon.
- (11) Kandivali Youth Congress.
- (12) Kherwadi Youth Congress.

Radiology :

The work done during the year is as under—

Berium studies :

Investigation	Indoor patients	Outdoor Patients
(i) Ba-meal Stomach duodenum	30	88
(ii) Ba-Enema	12	..
(iii) Ba-Swallow	13	25
(iv) Oral cholecystogram	8	12
(v) Urethrogram	2	2
(vi) I. V. P.	27	64
(vii) H. S. G.	2	45
Total	94	236

Total No. of patients X-Rayed during the year 1983,

10,191

ELECTRIC CARDIOGRAM

E. C. G. Diagnosis during the year 1983 as follows :

E.C.G. Diagnosis during the year 1983 is as under :—

(1) Chest Pain	896
(2) I.H.D.	917
(3) Hypertension	353
(4) Brachycardia	64
(5) Breathlessness	121
(6) Within Normal Limit	1,374
(7) P.U.O.	21
(8) Anterior W. Ing.	31
(9) High B.P.	153
(10) R.B. BH.	21
(11) Asthama	82
(12) Myocardial Infarction	89
(13) S.T.C. Changes	17
(14) C.C.F.	234
(15) Low B.P.	8
(16) Diabetes	134
(17) Anaemia	135
(18) Sinus Trachycardia	40
Total	4,690

Total No. of E. C. G. Taken during the year 1983

3,482

Pharmacy :

Pharmaceutical preparation for Indoor and Outdoor patients were made during the years is as under :—

(1) Total quantity of stock mixture prepared	9,200 lts.
(2) No. of packets of tablets made	11,500 pk
(3) Stock mixture preparation	11,100 lts.
(4) Ointment prepared	350 Kg.
B.B.	550 Lts.
G. Violete	1,400 Lts.
(5) Lotion prepared : Calamine	3,100 Lts.
Acriflavin	1,900 Lts.
Sodium Hyph,	877 Lts.
(6) No. of packets of powder	Nil.
(7) No. of prescription account kept	Nil.
(8) No. of preparation where special drugs issued and account kept	Nil

T. B. Clinic :

Due to shortage of accommodation T. B. Cases were treated in this hospital in general O. P. D. in the Medical Unit. The patients who were diagnosed were referred to the nearby Municipal dispensaries for the further treatment. However, S. M. Injections 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—16,931.

Ambulance facilities :

One ambulance van attached to this Hospital for round the clock services. The van was made available to the general patients at the scheduled rates.

Hearse facilities ; One hearse was provided to work in two shifts for removal of dead bodies from this hospital the same is made available for general public at the Scheduled rates.

Mobile dispensaries :

Two mobile dispensaries vans are attached to this hospital to cater the needs of the people residing in the slums where no medical facilities are available.

Paying Bed Scheme :

The scheme of paying bed have been introduced with effect from 7th October 1983.

Future Projects and Development of the Hospital.

The hospital is proposed to be expanded in two phases, so as to increase bed-strength up to 500 beds. The construction of 1st phase is started in the year 1982 The building is likely to be completed in all respect by Dec. 1984. On completion of 1st phase bed strength will be increased up to 350 beds.

Dr. (Smt). P. S. PARALKAR,
Medical Superintendent,
K. B. Bhabha Hospital, Bandra.

Distribution of beds according to the sex.

Serial No.	Deptt.	Male	Female	Child	Total
(1) Medical		23	9	..	32
(2) Surgical		23	9	...	32
(3) Paediatric		32	32
(4) Gynaec.		..	20	...	20
(5) Obstetrics		..	70	..	70
(6) E. N. T.		2	2	..	4
(7) Ophthalmic		2	1	..	3
(8) Skin		..	1	..	1
(9) Casualty & Emergency		10
		50	112	32	204

The additional information required is compiled in the Appendix I, II, and III

APPENDIX-I

Summary of indoor admissions, discharges, death and last remainings according to department a unit.

Serial No.	Department	Admission with last remaining.	Discharges	Transferred to other hospital.	Death	Remaining
(1) Medical	..	2,474	1,925	36	118	23
(2) Surgical	..	2,175	1,873	31	25	14
(3) Paediatric	..	2,541	1,982	46	139	27
(4) Gynaecology	..	866	712	7	..	10
(5) Maternity	..	3,718	3,258	4	..	59
(6) E. N. T.	..	514	480	..	..	2
(7) Ophthalmic	..	451	401	..	..	3
(8) Skin-S. T. D.	..	84	58	..	..	1
Total		12,823	10,689	124	282	139

APPENDIX-II

Disease-wise deaths during the year 1983.

Paediatric Unit.

(1) Gastro-entrites	35
(2) Broncho-pneumonia	25
(3) Pneumonia	6
(4) Bronchitis .. .. .	..
(5) Bronchopneumonia with C. C. F.	12
(6) Aspiration with pneumonia	1
(7) Encephalitis	2
(8) Tuberculosis with menengitis.	10
(9) Bronchitis with C. C. F.	12
(10) Anaemia (severe)	4
(11) Merasmus	1
(12) Cardio-respiratory failure .. .. .	..
(13) Septicemia	2
(14) Pyogenic	4
(15) Post measles with C. C. F.	3
(16) Prematurity	1
(17) Post measles Bronchopneumonia	4
(18) Encephalitis	3
(19) Acute nephritis	5
	<hr/>
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Medical Unit :

(1) Cardio-respiratory failure	34
(2) Cerebrovascular accident	10
(3) Hypertension with congestive cardiac failure	13
(4) Aneamia with CCF with hypertension	16
(5) Pulm Kochs	7
(6) Ischamic H. D.	10
(7) C. C. F. with Kochs	6
(8) Giddiness with unconciousness	3
(9) ICC ovary	1
(10) T. B. Menengitis	5
(11) Amebic collitis	3
(12) Hepatic failure with cirrhosis of liver.	4
(13) Severe aneamia with general debility	5
(14) Hepatic cellure failure	4
(15) CA. stomach with secondaries in liver	3
	<hr/>
	129

Surgical Unit :

(1) Accidental injury	6
(2) Tissal perforation	5
(3) Acute Hemmerages panicroufitis	8
(4) Post operative complications	6
(5) Severe panitoritis	3

Total number of death

282

APPENDEK-III
Classification of patients according to Sex

Department.	O. P. D. Sexwise Departmental Attendance.					Casualty Sexwise Departmental Attendance				
	Male	Female	M/Ch.	F/Ch.	Total.	Male	Female	M/Ch.	F/Ch.	Total.
Medical ..	51,032	35,838	..	..	86,870	8,270	5,727	..	..	13,996
Surgical ..	23,698	18,786	21,128	17,084	80,096	5,998	4,780	4,108	4,000	18,886
Skin ..	19,609	12,745	8,946	6,524	47,824	..	..	..	..	..
Paediatric ..	..	..	41,758	30,175	71,933	..	..	4,474	4,201	8,675
A. R. V. ..	4,740	3,260	4,030	1,631	13,661	376	308	226	192	1,102
O. T. & P. T.	2,621	1,750	1,193	1,107	6,671	..	..	..	..	..
Gynaecology ..	..	27,541	..	..	27,541	..	1,105	..	..	1,105
A. N. C. ..	..	13,291	..	..	13,291	..	118	..	..	118
P. N. C. ..	..	..	2,891	1,880	4,771	..	..	..	..	..
Dental ..	6,312	4,072	3,819	2,969	17,172	29	20	16	14	79
E. N. T. ..	4,931	5,190	4,820	4,170	18,171	61	51	49	38	199
Ophthalmic ..	7,898	6,309	5,412	1,518	21,137	42	31	30	23	126
Speech Therapy & Audiology	215	161	368	246	990	..	..	..	..	..
Total	1,20,516	1,27,943	94,365	67,304	4,10,128	14,776	12,140	8,903	8,468	44,286
O. P. D.	4,10,128									
Casualty	44,286									
Grand Total	<u>4,54,414</u>									

Dr. (Smt.) P. S. PARALKAR,
Medical Superintendent,
K. B. Bhabha Hospital, Bandra.

Dr. R. N. COOPER MUNICIPAL, GENERAL, HOSPITAL (JUHU).

In the year 1983-84, Dr. R. N. Cooper Municipal General Hospital, Juhu has completed 13 years of service, rendering Medical relief to the ailing persons in the western Suburbs of Bombay.

Medical Superintendent

Dr. (Smt.) Kusum Shah, M. D., D. G. O., appointed as Medical Superintendent.

Assistant Medical Officer (Administration)

Dr. (Smt.) S. K. Pershad, M. B. B. S., D. G. O. was appointed as Assistant Medical Officer (Administration) by Maharashtra Public Service Commission and continued to hold the post through out the year under report.

Assistant Medical Officer

Dr. (Smt.) H. A. Mangat, M. D. D. C. H., Assistant Medical Officer appointed continued to hold the post through out the year under report.

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 holding the post of Honorary Physician (Cardiology).
- (2) Dr. R. N. Shetty M. D. Assistant Honorary Physician.
- (3) Dr. A. K. Joshi, M. D. Assistant Honorary, Physician.
- (4) Dr. J. S. Barve, M. D. Assistant Honorary, Physician.
- (5) Dr. S. B. Jain, M.B.B.S. Jr. Assistant Medical Officer.

Surgical Department

- (1) Dr. D. K. Dastur M. S. (Bom.) Honorary Surgeon.
- (2) Dr. S. R. Padhye, M. S. Assistant Honorary Surgeon.
- (3) Dr. M. V. Hindlekar, M. S. Assistant Honorary, Surgeon.
- (4) Dr. S. V. Shetty, M.A.M., S.M.S. Honorary, Phy. Surgeon.
- (5) Dr. A. C. Pinto, M. S. Assistant Honorary, Surgeon.
- (6) Dr. V. P. Bhapkar, M. S. Jr. Assistant Medical Officer.

Burn and Plastic Department

- (1) Dr. A. M. Rao, M.S. (Plastic) Assistant Honorary Surgeon.

Obst and Gynaecology Department

- (1) Dr. S. H. Shah, M.D. (Bom.) D.G.O.D.F.P.F.C.P.S. Honorary.
- (2) Dr. (Smt.) K. S. Shah, M.D.D.G.O. working in Unit I.
- (3) Dr. S. S. Palnitkar, M.D. (Bom.) D.G.O.F.C.P.S.M.R.C.O.G. (Lond.) Honorary.
- (4) Dr. A. G. Kale, M.D. (Bom.) D.H.P.F.C.P.S. Assistant 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.
- (7) Dr. Y. R. Rane, M.D. Jr. Assistant Medical Officer.

Paediatric Department

- (1) Dr. G. S. Hathi, M.D. (Paed.) D.C.H. Honorary.
- (2) Dr. (Smt.) S. Y. Joshi, M.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. Bipin Kamdar, M.S. Assistant Honorary.
- (5) Dr. A. D. Narvekar, M. S. Jr. Assistant Medical Officer.

Ear, Nose, Throat Department

- (1) Dr. S. P. Wagh, M.S.D.C.R.C. (E.N.T.) Honorary Assistant Surgeon.
- (2) Dr. S. S. Joshi, M.S.D.O.R.E. Assistant Honorary.

Radiology Department

- (1) Dr. L. N. 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. Nimkar, M.D.D.P.E. Assistant Honorary.

Anaesthesia Department.

- (1) Dr. U. V. Desai, M.D. (Bom.), Assistant Honorary.

Skin and V D. Department.

- (1) Dr. D. P. Deshpande, M.D.D.V.D. Honorary.

Psychiatric Department.

- (1) Dr. V. N. Vahia, M.D.D.P.M. Honorary.

Ophthalmic Department.

- (1) Dr. V. H. Gandhi, D.O.M.S.M.S.D.O. (Lond.) F.R.C.S. Honorary Assistant Surgeon (Ophth.)
- (2) Dr. M. V. Patel, M.S.D.O.M.S.F.C.P.S. Assistant 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. B. Wadgama, B.B.S. Honorary Assistant.

Special Clinics.**T B Clinic Department.**

- (1) Dr. D. T. Jadhav, M.D. Assistant Honorary.

Neurosurgery Department

- (1) Neurosurgery O. P. D. is conducted with the help of Neurosurgery Department of K. E. M. Hospital on every Wednesday.

Neonatology Clinic.

- (1) Neonatology clinic is started from 1-8-1978 and conducted [by Dr. Hathi Dr. Patnekar Honorary (Paed.)

Nutrition Clinic.

- (1) Nutrition clinic is attached to Paed. O.P.D. and has on every Friday from 9.00 a. m. to 4.00 p. m. started functioning from February 1972.

Hansen Clinic

- (1) Hansen's clinic is managed by Acworth Leprosy Hospital: Wadala on every Tuesday from 9.00 a. m. to 4.00 P. m.

Diabetic Clinic

- (1) Diabetic clinic is conducted by Dr. A. K. Joshi on every Thursday from 8.00 a. m. to 10.00 a. m.

School Clinic

- (1) School Clinic Department started functioning from July 1973. Dr. Surekha, Honorary Assistant is appointed from 12-11-80.

Hospital

• Expenditure :

	Rs.
(1) Amount spent on Inpatient	1,39,08,581
(2) Amount spent on Out-patient	69,54,290
(3) Total expenditure excluding new works	2,08,62,871
(4) Expenditure of new Works .. .. .	..

Approximately—

(1) Average cost per in patient per day	78.27
(2) Average cost per in patient admission	503.58
(3) Average cost per out-patient	21.61
(4) Average cost per out-patient admission	56.97

II A Results—

(1) Schedule bed strength	520
(2) Daily average in-patients in wards	502
(3) Total no. of admission including those brought over from the previous year	25,864
(4) Total no. of patients discharged—	23,388
(i) Left against medical advice or got discharged	300
(ii) Expired including neonatal & still births	22,04
(iii) Remained in the hospital on the last day	488
(iv) Average stay of in-patient	7 days
B (1) Total no. of new out-patients admission	1,22,058
(2) Daily average no. of out patients	395
(3) Total no. of out patient (New & Old)	3,21,779
(4) Daily average no. of out patients attendance	1,076
(5) Total no. of casualty attendance (M. L.)	51,068
C (1) Total no. of operation in patients	5448+1693 (F. P.)—7,141
(2) Total no. of operations on out-patients	29,317
(3) Total no. of plaster on patients	21,900
D Confinements	
(1) Booked cases	2,814
(2) Emergency cases	172
(3) Normal	2,235
(4) Abnormal	725
(5) Neonatal and Maternal Deaths .. .. .	..
(i) Maternal Deaths	19
(ii) Neonatal Deaths	24
(iii) Still Births	192
(iv) Premature : Infants	115

Sterilizations :

(6) (1) Male	29
(2) Female	742

III—Radiology

(1) Total no. of patients investigated	84,427
(2) Total no. of X-Rays taken	45,003

Special Investigations :

(1) Barium meal.	626
(2) Barium Enema.	72
(3) Barium swallow	98
(4) I. V. P.	354
(5) M. C. U. G.	69
(6) H. S. G.	85
(7) Cholecystogram.	103
(8) Myelogram	34
(9) Sinogram.	18
(10) Splenoportgram.	19
(11) Bronchogram	3
(12) Cartoidangiogram	10
(13) Tulecholaniogram.	3
(14) Venogram.	3
(15) Cavitogram.	2
(16) Sialogram.	3
(17) M. M. R.	4941

IV—Blood Bank

(1)	(i)	Total no. of blood samples collected	..	..	..	..	3698
	(ii)	From voluntary Donors	..	..	..	..	1414
	(iii)	From O. P. D. Patients	..	..	..	..	309
	(iv)	From Other hospitals	..	..	..	..	151
(2)	(v)	Total no. of bottles supplied to wards	..	..	..	..	299
	(vi)	Total collection of blood bottles	..	..	..	..	1360

School Clinic

(1)	Total no. of school children treated						
(i)	New	..	..	..	..	..	2,969
(ii)	Repeat	..	..	..	..	..	14,006
(iii)	Referred	..	..	..	..	..	16,975
(2)	Total expenditure on clinics	..	..	..	..	..	2,69,607.28

VI—Physio Therapy and occupational Therapy

Total no. of attendance at the centre—

(i)	Total no. of out-patients	..	..	..	..	..	41,278
(ii)	Total no. of In-patients	..	..	..	..	..	29,132

VII.—Suggessions :—**Recreational facilities—**

Some sort of recreational facilities such as Library. (1) Indoor games, television etc. may be provide to Indoor ambulant patients. (2) Gift shop is needed for the benefit of patients.

Central Ambulance Scheme was started on 1st November 1982. 1st April 1982 under the C.A.'s circular No. CARG/105. The charging of fees for O.P.D. is Rs. 2 for first fifteen days. For Indoor charges are Rs. 5 for the first ten days.

Burn ward has been started on 22nd February 1983.

Special paying wards started on 2nd April 1983.

Female Orthopaedic ward started on 12th September 1983.

Male Orthopaedic ward started on 18th April 1983.

Male Ophthalmic ward started from 24th November 1983.

Female Ophthalmic ward started from 12th November 1983.

MEDICAL RECORD DEPARTMENT**In-patient Division :—**

The number of schedule bed strength during the year was 520.

During the year 1983 the average no. of in-patients in the hospital was 502 as against 607 and 650 during the years 1982 and 1981 respectively. The total no. of patients admitted for hospitalization during the years under report was 25327 as against 29115 and 37632 respectively for 1982 and 1981. The average stay of in-patients was 7 days during the year under report as against 7 and 7 days respectively, in the year 1982 and 1981.

Results of treatment of Indoor-patients :

Out of total no. of 25864 including 537 brought over from the previous year 21100 were considered as cured 300 left the hospital either against medical advise or were otherwise discharged and 1988 died (excluding 192 still birth and 24 neonatal deaths, maternal death 19, 2 casualty deaths) At the end of the year 488 patients were in the hospital under treatment.

Deaths Classified :—

Out of 1990 deaths 630 died within 24 hours of admission, 510 after 24 hours but within 72 hours of admission, 733 deaths took place after three days from the date of admission, 115 premature infant deaths, 2 died at casualty. The figures are exclusive of 192 still births and 24 neonatal, maternal death 19, Death rate was 5.6 against 6.7 during the last year. Total no. of autopsies performed during the year under report was 403 against 417 and 396 for the year 1982 and 1981. respectively. Autopsy rate was 9.7 for the year 1983 as against 9.8 and 9.7 for the year 1982 and 1981. All these autopsies were performed by the Coroner's Surgeon.

Confinements ;—

During the year under report the total number of confinements were 2960 and abortions 943.

Operations :—

7141 operations were performed on in-patients and 29317 operations were performed on out-patients.

OUT-PATIENTS DEPARTMENT**Out-patients :—particulars.**

The total no. of new cases papers issued during the year under report was 122058 against 104911 in the year 1982 and 351695 in the year 1981. The total no. of out-patient attendance (New and Old) including casualty cases was 321779 bringing the average total attendance 1076 per day.

Casualty cases registered during the year were 51068 as against 55337 and 69096 during the year 1982 and 1981.

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 cases.

(1) Presidency Magistrate Court	..	..	..	..	201
(2) Sessions courts	..	..	..	..	46
(3) Motor accident tribunal	..	..	..	..	42
(4) Other courts	..	..	..	..	..

During the year approximately 403 depositions were filed in the Coroner's court.

Medical Certificates :—

(1) Under workmen's compensation act	..	..	..	63
(2) Medical opinion certificates	..	..	..	1811
(3) Injury certificate to patients in medico-legal cases	..	..	..	389
(4) Injury certificates to police in medico-legal cases (free)	..	..	..	2799
(5) Injury certificates to Municipal employee injury and leave (free)	..	..	..	617
(6) Certificate for insurance purposes	..	..	..	27
(7) Essentiality certificates for reimbursement.	..	..	..	48

OTHER ACTIVITIES**Training Interns :—**

Interns of the Seth G. S. Medical College are continuing to take their training at the Dr. R. N. Cooper Municipal General Hospital, Juhu.

Hearse and Ambulance Services :—

The ambulance service is made available to the public at the hospital. The ambulance services are available in emergency to any ailing patients on accident case to be transferred to any of the hospitals in Bombay. One hearse is provided for removing dead bodies at the hospital for Western Suburbs.

Income from Ambulance and Hearse :

During the year under report the income from ambulance and hearse was Rs. 30,063 against Rs. 22,817 in the previous year.

Mobile Health Unit—

A mobile van was donated by Bombay Pradesh Congress Comitted on 1-7-73. The mobile health unit was started from 10-7-73 at this hospital. During the year under report Mobile Health Unit has completed 10 and half year services. It is being utilised at present for rendering medical aid to the slum areas as per fixed programme in the form of :—

- (1) Medical Treatment for minor injuries and ailments.
- (2) Immunization programme
- (3) Health education in family planning.

It visits the slum areas from Juhu, Vile Parle to Jogeshwari on the Western Suburbs on all days of the week except Sundays from 8-30 a. m. to 1-00 p. m.

The following staff is posted in the Mobile Health Unit :—

- (1) One Doctor (Clinical Assistant).
- (2) One Interns
- (3) One staff nurse.
- (4) One Labourer.

Work done at Medical Mobile Health Unit in the year 1983—

(1) Total no. of patients seen and treated (In slum communities).	..	..	..	9245
(2) Total no. of referred to General Hospital	..	..	..	325
(3) Total no. of immunisation carried out	..	..	..	2549

Medico Social Service Department—

The social service department was started on 2nd October 1972 for cases needing Physo-social worker who was appointed on 2nd October 1972. During the year under report social service department has completed 11 years services.

Following is the report of the cases that were assistance in different arease of social services.

General Social work complied of work done in O.P.D. and ward level. Further to facilitate efficient functioning social work. This year we were ask to screen patients not affording hospital stay and charges 77 and 86 such cases were handled for this. 20 patients were referred for discharge problems, they were successfully rehabilitated by giving clothes and being sent home either in their villages or Bombay. Great impetus was given in the field of medicine 128 patients were held with required drugs at O.P.D. and Indoor level while clox and carbulunt was supplied on project basis. 538 vials of Injunction clox were given to 38 patients and 344 capsuls were given to patients who were not able to take Injunction 100 vials of carbellin was given to 10 patients.

In the field of family planning 86 patients were referred married, divorces. 79 Anti 'D' cases were seen. 100 kg. milk powder was distributed to paed. patients who were suffering from Marasmus, T.B. N.S.S. Volunteers were given guidance to Shradhanand Mahilashram, Asha Sadan and Family service Centre.

PAEDIATRIC DEPARTMENT

During the year under report 13952 were treated in the out-patient department and 3063, were admitted as In-patient.

Screening and Mantoux testing : These include respiratory cases and family contacts of those suspected or diagnosed as Tuberculosis Mantoux testing was done in about 15952 cases.

PREMATURE BABY WARD

The paediatric department also manages a premature baby ward (started functioning from October 1971 with a capacity of 7 cribs) and same is increased now to 10 cribs but actual figure is to 7 to 8 per day.

During the year under report 278 were admitted as in-patient and 115 expired. There is a regular premature baby follow up once in a week which has shown good results. A well baby clinic is also run in Gynaec O. P. D. by the Paediatricians.

NUTRITION CLINIC

A Nutrition clinic attended to Paediatric O. P. D. started functioning from February 1972 The work done in the year 1983 :-

Total nutrition clinic days	..	..	..	..	..	304
Total cases	..	..	..	..	..	411
Indoor cases	..	..	..	..	..	349
Feeding advice given	..	..	..	..	..	1426

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 608 diabetics (including new and old) are treated and followed up every week. Cardiology out-patients conducted on every Saturday to look after patients discharged from coronary care unit. This department consists of two registrars and three house officers.

The total no. of patients admitted during the year 1983, in the Medical Units was 6234 (3738 admitted during the year for male patients, 2496 female patients) as against 7345 in the year 1982 and 8871 in the year 1981.

Heart disease patients were treated in the Medical ward during the year 1983. 6567 E. C. G.'s were taken during the year under report.

The O. P. D. attendance (New cases) was 19,882.

I. C. C. U. : This department started functioning from 1-3-75. The total no. of patients admitted during the year 1983 in I. C. C. Unit was 548.

T. B. Clinic :

New cases	..	..	..	..	..	2303
Old cases	..	..	..	..	..	8449
						<hr/> 10752

DEPARTMENT OF SURGERY

Department of surgery consists of two units each staffed with an Honorary, Assistant Honorary, One Registrar and two house surgeons. In addition there is surgical Jr. A. M. O. and surgical tutor. The no. of Schedule beds allotted to the surgical department is 15 in M. W. and 15 in F. W. for each unit. For Burn and Plastic Department it is 5 in M.W. and 5 in F.W. for each unit. Surgical department is well equipped to manage both emergency and routine problems. Our institution also caters to the needs of other suburban hospitals by accomodating their problem cases.. Each unit has out-patients and emergency admission days on alternate and also Minor surgery theatre, 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. and two Housemen. This O.P.D. is conducted twice a week. They attend to Emergency call specially for facial Injury. They manage Burn wards consists of 10 Beds (5 M.W. and 5 F.W.).

Reorganisation of the O. P. D. We hope to start surgical gastroenterology O. P. D.

The following is the account of work done in the department during the year.

(1) Total new O. P. D. attendance	..	..	..	..	20158
(2) Total admissions	..	..	..	..	3824
(3) Operations	(a) Major	..	..	..	1967
	(b) Minor	..	..	..	12372
	(c) Emergency	..	..	..	508
4. Total no. of patients treated in minor surgery was		..	..	..	12372

DEPARTMENT OF PSYCHOLOGICAL MEDICINE

The department started functioning from 15th June 1977. It consists of one assistant Honorary, one Registrar, one Social Worker and one Labourer on the schedule Staff.

The following is the Statistical Data of the work done during the year for the period 1983.

(1) Total No. of O.P.D. Patients (New Cases)	..	..	..	5,087
(2) Total No. of O.P.D. Conducted	..	..	..	1,229
(3) Average Attendance (New Cases)	..	..	..	30
(4) Average Attendance (Old Cases for Follow-up)	..	..	..	90
(5) Total No. of Patients treated with E.C.T. New	..	..	..	307
(6) Total No. of Patients treated with E.C.Ts. Old	..	..	..	1,393
(7) Total No. of Insulin Sitzings Conducted	..	..	..	364
(8) Average Insulling .. .. .	..	..	..	13
(9) No. of Indoor Patients	..	..	..	458
(10) Total No. of Patients treated with supportive Psychotherapy	..	..	..	354
(11) Sex Education .. .. .	..	..	..	436
Sex Education therapy .. .. .	..	..	..	35
(12) No. of Patients for Psychological Testing	..	..	..	550
(13) Total No. of Patients for Sex Education Sessions	..	..	..	17
(14) Testing Sessions .. .. .	..	..	..	286
(15) Total No. of Sessions of Councelling	..	..	..	318
(16) Total No. of New Social Work	..	..	..	347
(17) Total No. of Social Case Work Sessions	..	..	..	355
(18) Total No. of Individual Sessions	..	..	..	502
(19) Family Therapy No. of Patients	..	..	..	67
(20) Family Therapy No. of Sessions	..	..	..	264
(21) Total No. of Patients referred to Day Care Centre	..	..	..	302
(22) Average Attendance at day Care Centre per day	..	..	..	11-13
(23) Total No. of Patients for C.G.C. New	..	..	..	107
(24) Total No. of Patients for C.G.C. Old	..	..	..	85
(25) Group Therapy No. of Patients	..	..	..	174
(26) Group Therapy No. of Sessions	..	..	..	120
(27) Marital Therapy No. of Patients	..	..	..	36
(28) Marital Therapy Sessions	..	..	..	83
(29) Play Therapy Sessions	..	..	..	55
(30) Behaviour Therapy	..	..	..	20

DEPARTMENT OF ORTHOPAEDICS

Orthopaedic Department consists of two Assistant Honorary, two Registrars and two house-officers. Following was the work done in this department during the year under report.

Out door attendance	..	..	..	..	..	14479
Indoor admissions	..	..	..	..	..	2000
No. of operations	..	..	..	..	..	506

The department is well equipped to cope up with the large no. of traumatic cases brought to the hospital. This is the only public hospital in the western suburbs having in Orthopaedic department. It is necessary to have a separate ward for paediatric orthopaedic patients and dark room for quick development of X-Ray films.

EAR, NOSE AND THROAT DEPARTMENT

Ear, nose and Throat department was started from June 1972. All the routine and emergency ear, nose and throat surgical procedure with constructive ear surgery and stapedectomy are now undertaken for which necessary operating microscope is available.

There are three O. P. D.s and two operations sessions each week. All the routine investigations like caloritic 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	..	..	..	..	..	5116
New admissions	..	..	..	..	..	683
Operations	..	..	..	..	..	633

AUDIOLOGY AND SPEECH THERAPY DEPARTMENT

The functioning of the audiology and speech therapy unit started from 19th July 1976. The unit have a Audiologist on its staff. The following is the account of work done during the year under report.

Audiograms	..	..	..	..	..	556
Speech cases	..	..	..	..	..	99
Total ..						655

OPHTHALMIC DEPARTMENT

There are one assistant Honorary, one Registrar and one house surgeons on its staff. Account of work done during the year 1983.

O. P. D. Attendance	..	..	..	..	..	4660
Total no. of admissions	..	..	..	..	..	706
Total no. of operations	..	..	..	..	..	792

Skin and Venerology Department

During the year under report 7879 new cases were treated at the out-patient department and 69 were admitted as In-patient. The following investigations were carried out in the Laboratory.

(1) Skin Biopsy	..	..	..	..	..	328
(2) Venereal disease investigations	..	..	..	..	..	47080

Leprosy unit started from March 1974 and it functions on every Friday. During the year under report 199 new cases were treated at the out-patient department.

DENTAL CLINIC

There are four part time surgeons, one staff nurse and one labourer on it's staff.

This department attends the school clinic children, referred 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 1983.

Total no. of patients examined	General O.P.D.	School clinic
No. of medications	5211	1712
No. of dental extraction	2567	1503
No. of sealing teeth	37	844
No. of x-rays recorded	323	121
No. of filing cement	111	545
No. of minor surgical procedure	50	399

SCHOOL CLINIC DEPARTMENT

A school clinic was started functioning from July 1973. It is functioning in paediatric, ophthalmic, aural and dental departments where medical examination of school children from Suburban Municipal schools between Bandra and Borivli is done.

The common ailments found among the children were malnutrition, vit 'A' deficiency, Anaemia, respiratory infection, scabies, pyoderma, and pharyngitis. Tonsillectomy operations were performed on 74 cases in the year 1983.

Total no. of school children treated :—

(1) New	..	..	..	..	..	..	2969
(2) Repeat	..	..	..	..	..	..	14006
(3) Referred	..	..	..	..	..	..	16975

The total expenditure on school clinic is Rs. 2,69,607.28 The details are as under :—

(i) Establishment	..	..	..	..	..	..	1,82,578.38
(ii) Contingencies and miscellaneous	..	..	..	..	..	..	543.00
(iii) Medicine and Instruments	..	..	..	..	..	..	11,701.66

Juhu Lions Dental Clinic

Establishment	..	..	..	..	..	..	25,634.67
Medicine and Instruments	..	..	..	..	..	..	11,757.45
Labour Technical and others	..	..	..	..	..	..	37,392.12
Total expenditure of establishment	..	..	..	..	..	..	..
Total expenditure of medicine and instruments	..	..	..	..	..	..	..

PATHOLOGY DEPARTMENT

Following investigations were done in the Pathology Department.

Investigations	Total No.
Biochemical	116409
Serological Khan Test	9963
Haematological	29460
Exam. of puncture fluids	1653
Histopathology	3235
Bacteriology-	
(1) Culture	6721
(2) A.F.B. Smears and Diphtheria	8836
(3) O.P.D. laboratory routine work	84390
(4) School Clinic	3023
Nursing Staff	
Matron	1
Jr. Asstt. Matrons	2
Sisters Tutors	3
Ward Sisters	28
Staff Nurses	136
Auxillary Nurses	73
Theatre Assistant	10
Health Visitors	2
Midwife Nurse	1

NURSING SCHOOL :

There are 60 students Nurses in the Nursing School. In February 1983 a new batch of 20 students is taken for general nursing in the school in January 1983. 11 student Nurses passed out in general Nursing Part II Examination. In July 1983, 6 A.N.M.S. passed in general Nursing Part II Examination & promoted as staff Nurses as we are not having Midwifery training course at Cooper Hospital Nurses were left the Nursing services of Cooper Hospitals & joined for midwifery training & joined N. M. Wadia Maternity Hospital Parel. Annual function of Nursing School was celebrated in March. We have Rengoli Exhibition & Annual function in Diwali, Christmas function celebration. Students Nursing Association had funfare programme to raise their fund.

Smt. Tase has got Commissioner's award as the best sister. Smt. Baby Nanda got the Best student Mayer's award. Smt. Waghmare and Smt. Abhayankar have successfully done six weeks rehabilitation course at All India Institute of Physical Medicine and rehabilitation, Haji Ali Bombay and got the certificates for completing the course. Sister Pinto and staff Nurse Remedios have done 3 months Refresher course in Paed. Nursing at K.E.M. Hospital. Smt. Dhuru has completed Diploma in Nursing Education at R.A.K. College of Nursing, Delhi. Smt. Rosy George, Staff Nurse has completed post basis B.S.c. Nursing course of Institute of Nursing Education at J. J. Hospital, Bombay. Platinum Jubilee conference of the trained Nurse Association of India which was conducted at Bangalore on 3rd October to 6th October was attended by Matron and seven other Nurses. Common Health Nurses federation Seminar on Primary Health care was attended by two sister tutors Smt. Mathai and Smt. Nirmala Joshi.

Training of Medical Students of G. S. Medical College :

Medical students training started from July 1979 at Dr. R. N. Cooper Hospital. The following departments of this hospital have been recognized by the University for the purpose of undergraduate Teaching—Medicine, Surgery, Gyn. and Obst., Paed., and Ortho. The students of G. S. Medical College are attending the hospital from April 1979 onwards. The following members of the staff have been recognised by the University as Post graduate teachers. Dr. R. D. Darne. Dr. 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 a sum of Rs. 13,126 was spent out of the poor Box Charity Fund in the year 1983-84 as against Rs. 34,738 in the previous year. The amount was mostly spent on costly Drugs, Blood Transfusion, Provisions of crutches, spectacles etc. for the Poor and deserving patients of the hospital.

Expenditure out of the Hospital Budget Grant :

The total expenditure incurred on the maintenance of the hospital during the year 1983-84 including liabilities at the end of the year but exclusive of the cost on new works amount to Rs. 2,08,62,2871 approximately. The expenditure was inclusive of the cost of maintainance and treatment of in-patient, out-patient, and establishments, drugs on Medical Nursing Administraitve and Labour Staff as well as the cost of the staff for maintainance and repair of the building.

Constructions and Expansions and extension work completed :

Male, Female Orthopaedic and Male, Female Ophthalmic ward was started in Central Ambulance Building, these wards were shifted from old building, during 1983.

No. other new works have come up during this period.

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 Asstt. Anaesthetist appointed from 10th January 1977.

Since date 1st September 1978 Dean (K) 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 (K).

SPECIAL ACKNOWLEDGEMENT

Due to the persistant enorts and guidance of Dean(K) Dr. C. K. Deshpande. 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. Eight posts were recognised in the year 1979. In the year 1979-80 sixty more posts are recognised in the following departments. The list of the same is given below :

Serial No.	Department	Category	No. of posts recognised.
1	Gen. Medicine	Registrar	4
2	I. C. C. Unit	Do.	2
3	Psy chiatry	Do.	2
4	Skin and V. D.	Do.	1
5	Paediatrics	Do.	4
6	Neonatology	Do.	1
7	Gen. Surgery	Do.	2 & 2
8	Gen. Minor O. T.	Do.	1
9	E. N. T.	Do.	1
10	Ophthalmic	Do.	1
11	Burns and Pl. Surgery	Do.	2
12	Orthopaedics	Do.	2
13	Obst. and Gynaec.	Do.	3
14	Anaesthesia	Do.	1
15	Pathology	Resi. Pathologist	2
16	Radiology	Resi. Radiologist	1
17	Gen. Medicine	House Officer	5+f recognised previously.
18	I. C. C. Unit	Do.	3 Do.
19	Psychiatric	Do.	2
20	Skin & V. D.	Do.	2
21	Paediatric	Do.	5+1 Do.
22	Gen. Surgery	Do.	5+2 Do.
23	Neonatology	Do.	2 Do.
24	E. N. T.	Do.	1+1 Do.
25	Ophthalmology	Do.	1+1 Do.
26	Burns & plastic surgery	Do.	2
27	Orthopaedics	Do.	4
28	Obst. & Gynaec.	Do.	4+2 Do.
Total ..			65 & 10

APPENDIX I

Statement showing the distribution of beds according to classification of departments, sex unit.

Departments	Head of the Unit	Male	Female	Children	Unclassified.	Total
Medical I	Dr. R. D. Darne	20	20	..	..	40
Medical II	Dr. J. C. Joshi	20	20	..	..	40
Surgical I	Dr. D. K. Dastur	15	15	..	..	30
Surgical II	Dr. S. V. Shetty	15	15	..	..	30
I. C. U.	" " "	5	5	..	..	10
Burn & Plastic	Dr. A. M. Rao	5	5	..	..	10
Ophthalmic	Dr. V. H. Gandhi	10	10	..	..	20
Gynaec I & PNC	Dr. S. H. Shah	..	20+20	..	..	40
Gynaec II & PNC	Dr. S. S. Palnitkar	..	20+20	..	..	40
Gynaec III & PNC	Dr. S. D. Chaubal	..	20+20	..	..	40
Skin	Dr. D. P. Deshpande	5	5	..	..	10
Orthopaedic I	Dr. R. N. Katre	30	10	..	..	40
Orthopaedic II	Dr. A. J. Thakur	30	10	..	..	40
Paediatric I	Dr. G. S. Hathi	..	..	30+ 10 prem.	..	40
Paediatric II	Dr. P. N. Patnekar	..	..	30+ 10 prem.	..	40
E. N. T.	Dr. S. P. Wagh	10	10	..	..	20
I. C. C. U.	Dr. R. D. Darne Dr. A. K. Joshi	5	5	..	..	10
Psychiatric	Dr. V. N. Vahia	10	10	..	..	20
		180	260	80	..	520

APPENDIX NO. I 'A'

Statement showing the distribution of beds according to wards, service and heads.

Service	Name of the Head of the service	Beds Units Beds	Total Schedule strength of wards.
Medical (Male)	Dr. R. D. Darne	20	40
	Dr. A. K. Joshi	20	
Medical (Female)	Dr. R. D. Darne	20	40
	Dr. A. K. Joshi	20	
Surgical (Male)	Dr. D. K. Dastur	15	
	Dr. S. V. Shetty	15	40
I. C. U. (Male)	Dr. D. K. Dastur	5	
	Dr. S. V. Shetty		
Burn & Plastic (Male)	Dr. A. M. Rao	5	
Surgical (Female)	Dr. D. K. Dastur	15	
	Dr. S. V. Shetty	15	40
I. C. U. (Male.)	Dr. D. K. Dastur	5	
	Dr. S. V. Shetty		
Burn & Plastic (Female)	Dr. A. M. Rao	5	
Orthopaedic (Male)	Dr. A. J. Thakur	30	60
Orthopaedic (Female)	Dr. R. N. Katre	30	
	Dr. A. J. Thakur	10	20
	Dr. R. N. Katre	10	
Paediatric	Dr. G. S. Hathi	30	60
	Dr. R. N. Patnekar	30	
Premature	Dr. G. S. Hathi	10	
	Dr. P. N. Patnekar	10	20
Gynaec.	Dr. S. H. Shah	20	
	Dr. S. S. Palnitkar	20	60
	Dr. S. D. Chaubal	20	
P. N. C.	Dr. S. H. Shah	20	
	Dr. S. S. Palnitkar	20	60
	Dr. S. D. Chaubal	20	
Skin	Dr. D. P. Deshpande	5 (MMW) 3 (FMW) 2 (Ch.)	10
Ophthalmic	Dr. V. H. Gandhi	10 (Male) 10 (FMW)	20
E. N. T.	Dr. S. P. Wagh	10 (MMW) 10 (FMW)	20
I. C. C. U.	Dr. R. D. Darne Dr. A. K. Joshi	10	10
Psychiatric	Dr. V. N. Vahia	10 (MMW) 10 (FMW)	20
			520
Anti-Natal	26	Exclamsia	4
Post-Natal	46	Labour ward	12
Septic-Ward	6	Receiving-Room	4
Post-operative	22		
	100		20

APPENDIX-II

Statement showing the particulars of Indoor and Out-door patients, No. of Operations performed etc. during the year 1983, 1982 and 1981.

Particulars	1983	1982	1981
(A) In-patients—			
1 Schedule Bed strength	520	520	520
2 Daily average No. of In-patients	502	607	718
3 Daily average No. of admissions	100	102	147
4 Total No. of new In-patients admitted	25327	29115	37632
5 Average No of days each patient was resident	7	7	7
(B) Out-patients—			
1 Total No. of New Out-patients attended	122058	104911	351695
2 Daily average No. of New Out-patients	395	339	1208
3 Total No. of Out-patients attendance (New & Old)	321779	591926	932076
4 Daily average No. of Out-patients attendance (New & Old)	1076	1623	3200
5 No. of Casualty patients	51068	55337	69096
(C) Operations—			
1 Total No. of Operations	5448+1693	5203+1804	6429+1749
	F. P.	F. P.	F. P.
2 Total No. of Operations on Out-patient	29317	33341	33172

APPENDIX NO. III

Statement showing the In-patients treated in Dr. R. N. Cooper Municipal General Hospital Juhu during the year 1983 with the classification according to departments, discharge and deaths.

Department	In the Hospital mid-night of 31-12-82	Admitted during the year 1983	Total treated	Disch. during the year 1983	Died	In the hospital by mid-night of 31-12-83
Medical	76	6234	30414	5623	618	69
Surgical	113	3824	39402	3426	401	110
Gynaec	122	6439	33794	6452	19	90
Paediatric	64	3063	16580	2513	577	37
Premature	2	278	2351	165	115	..
Orthopaedic	81	2000	30235	1916	45	120
E.N.T.	20	683	5095	699	2	2
Ophthalmic	15	706	3333	706	..	15
Skin	1	69	1322	62	2	6
I.C.C.U.	12	548	2408	456	98	6
Psychiatric	11	458	7064	449	3	17
I.C.U.	20	789	3284	737	66	6
Burn	..	236	2418	184	42	10
	537	25327	177700	23388	1988	488
Maternal Death	19					
Neonatal Death	24					
Casualty	2					
Still Birth	192					

APPENDIX—IV

Statement showing the out-patient (New-Old) and casualty in Dr. R. N. Cooper Municipal General Hospital, Juhu during the year 1983 Classification according to the Dept., Sex

Department	Sex	O.P.D. New cases	Casualty
Medical	Male	10243	3136
	Female	9639	1841

Surgical	Male	5913	18769
	Female	5826	8970
	M/ch.	5460	5763
	F/ch.	2951	3521
Gynaec	Female	15359	2138
Orthopaedic	Male	5969	780
	Female	4906	331
	M/ch.	1985	260
	F/ch.	1619	121
E.N.T.	Male	3181	53
	Female	2624	36
	M/ch.	1713	24
	F/ch.	618	15
Ophthalmic	Male	2232	135
	Female	1520	115
	M/ch.	556	20
	F/ch.	352	8
Dental	Male	5938	86
	Female	5894	143
	M/ch.	1597	10
	F/ch.	339	6
Paediatric	M/ch.	7973	2664
	F/ch.	5979	1788
Skin	Male	3619	96
	Female	2395	75
	M/ch.	1865	14
	F/ch.	1000	10
Psychiatric	Male	2639	..
	Female	1743	..
	M/ch.	358	..
	F/ch.	247	..
T.B.	Male	899	..
	Female	888	..
	M/ch.	163	..
	F/ch.	53	..
		122058	51068

APPENDIX—V

Statement showing the relative, cost per in-patient and out-patient per day during the year 1983-84 and previous two years.

Particulars	1983-84	1982-83	1981-82
1. Average cost per In-patient per day	78.27	60.92	48.28
2. Average cost per In-patient admission	503.58	394.31	345.30
3. Average cost per Out-patient per day	21.61	9.70	6.98
4. Average cost per out-patient admission	56.97	35.82	18.49

APPENDIX—VI

Statement showing the details of cost-per In-patients for the year 1983-84 and previous two years.

Year	Diet.	Drugs & Dressing	Stores & lines	Healing Miscellaneous & lightning	Repair to Bldg. & Eng.	Estt.	Total
1983-84	6.22	15.76	4.34	6.94	1.39	43.73	78.27
1982-83	4.72	12.02	3.64	6.69	1.72	32.13	60.92
1981-82	2.56	13.81	2.80	5.15	0.69	23.27	48.28

APPENDIX—VII

Statement showing the average cost of each New out-patient attendance for the year 1983-84 and previous two years.

Year	Diet	Drugs & Dressings	Stores & lines	Healing & Miscellaneous lighting	Repairs Bldg. & Engg.	Estt.	Total
1983-84	..	4.35	1.22	1.91	0.59	13.54	21.61
1982-83	..	1.91	0.58	1.82	0.28	5.11	9.70
1981-82	..	2.00	0.40	0.74	0.11	3.73	6.98

SHRI H. B. M. G. HOSPITAL, BORIVALI

The required information is furnished as detailed below. (Along with Marathi version).

High Lights

I.—Expenditure	...	...	...	...	...	Rs. 1,36,02,140.00
(A) 1. On in-patients	...	...	...	...	...	Rs. 90,63,093.34
2. On out patients	...	...	...	...	...	Rs. 45,34,046.66
(B) Average cost per—						
1. In-patient per day	...	...	...	...	...	Rs. 33.41
2. Out-patient per day	...	...	...	...	...	Rs. 11.86
II.—Results in Patients :						
(A) 1. Scheduled Bed strength	...	...	...	...	...	300
2. Daily average in-patients in wards	...	...	...	...	...	306
3. Admissions including those brought over from previous years	...	...	...	...	...	18,648
(4) Number of patients discharged as	...	...	...	...	...	—
(i) Relieved	...	...	...	...	...	12,502
(ii) as cured	...	...	...	...	...	4,234
(iii) Otherwise	...	...	...	...	...	577
(iv) Expired	...	...	...	...	...	936
(v) remained in the hospital on the last day of the year	...	...	...	...	...	309
(vi) daily average number of admissions	...	...	...	...	...	51
(vii) Average stay in-patients (in days)	...	...	...	...	...	7 days.
(viii) Highest number of in-patients in a single day	...	...	...	...	...	386
(B) Out Patients						
(i) New out patients attendance	...	...	...	...	...	3,13,893
(ii) Daily average number of new out patients	...	...	...	...	...	860
(iii) Highest O. P. D. attendance on a single day	...	...	...	...	...	1,101
(iv) No. of casualty attendance	...	...	...	...	...	26,236
(C) (i) Operations on in-patients	...	...	...	...	...	5,963
(ii) Operations on out-patients	...	...	...	...	...	6,788
(D) Confinements :						
(i) Booked cases	...	...	...	...	...	1,251
(ii) Emergency cases	...	...	...	...	...	565
(iii) Normal	...	...	...	...	...	1,333
(iv) Abnormal	...	...	...	...	...	483
(v) Left before delivery	...	...	...	...	...	20
Neonatal deaths :						
(i) Maternal deaths	...	...	...	...	...	8
(ii) Neo-natal deaths	...	...	...	...	...	13
(iii) Still births	...	...	...	...	...	64
(iv) Premature live born infants	...	...	...	...	...	74
Specialised treatments :						
(i) Sterilization (male)	...	...	...	...	...	333
(ii) Sterilization (Female)	...	...	...	...	...	485
(iii) I. U. C. D. (inserted)	...	...	...	...	...	103
(iv) Disease-wise distribution of cases treated and deaths including tuberculosis and S. T. D. of all forms. There should also be death of Food poisoning cases	...	...	...	...	...	2,084
1) Total cases	...	...	...	...	...	Nil.
2) Death	..	..	..	..	..
1. Electrocardiography Departments :						
(1) No. of ECG taken	..	..	..	..	..	4,320
2. Physiotherapy Occupational Therapy Department.						
(1) Total No. of cases treated	..	..	..	..	..	14,777
						15,758
3. Radiology :						
(1) Total No. of X-Ray taken	..	..	..	..	..	20,100
(2) Total No. of Screening cases	..	..	..	..	..	Nil.

4. Blood Bank :**(A) Blood samples collected from.**

(i) Voluntary Donors.	..	..	..	..	2,139
(ii) Professional Donors.	..	..	..	..	Nil.
(iii) Other hospitals	..	..	..	..	134
(iv) Relative Donors	..	..	..	..	182
(v) Bottles supplied.	..	..	..	..	1,668
(vi) Bottles Dispatched	887

5. Mobile dispensary.

(i) Total No. of cases treated.	8,007
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6. Medical Record Department :

(i) Total court calls attended by the Doctors	139
(ii) Total No. of Medical certificate (issued) to the patients.	..	..	..	..	1,803
(iii) Total no of Medico legal cases	..	..	..	..	23,057
(iv) Medical certificate issued to various Police Station	..	..	..	..	1,528

7. Ambulance Services :

(i) Total No. of calls attended.	..	..	..	..	850
(ii) Total Amount Collected	..	..	..	Rs.	2,226.00
(iii) Total Free calls.	..	..	..	..	17

8. Hearse Services :

(i) Total No. of calls attended.	..	..	..	..	1,150
(ii) Total Amounts Collected	..	..	..	Rs.	2,226.00
Total free calls.	..	..	..	..	17

9. Social Services Department :

(i) Free Spects issued	..	..	..	..	204
(ii) Total cost collected	..	..	..	Rs.	400.00
(iii) Total no of free appliances supplied	..	..	..	..	68
(iv) Legal aid to patients.	..	..	..	..	5
(v) Total No of spects issued Free	..	..	..	..	204
(vi) Total No of Babies handed over to (home for destitute children)	..	..	..	..	5
(vii) Non Schedul Drugs Voluntary Donors	..	..	..	..	187
(viii) Counselling poisoning cases	..	..	..	..	6

10. Pathology Department :

(1) Clinical Pathology investigations (Including Serology)	..	..	..	..	79,109
(2) Bio-Chemical Investigations	..	..	..	..	10,913
(3) Blood Grouping and Cross Matching	7,22,144
	7,113

(11) Anti/Rabic Treatment.

(1) Total No. of patients treated.	18,783
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(12) School Clinic.

(1) Total cases treated.	4,410
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(13) Psychiatric Department.

(1) Total casee treated.	2,558
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(14) Dental Department.

(1) Total cases treated.	6,124
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(15) Anaesthesia Department.

(1) Total No. of cases.	12,751
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(16) Audiology ! Speech Therapy Deptt.

(1) Total No. of cases treated.	1,036
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(17) The collection in the boxes of the Poor Box during the period from 1-1-1983 to 1-12-1983.

Purchase of non-scheduled drugs and Orthopaedic appliances.	..	..	..	Rs.	10 793.52
	..	..	..	..	10 017.18

(18) Certificates.

(1) Total No. of medical certificates of different types issued to patients...	3 331
--	----	----	----	----	-------

(19) Dispensary.

Total No. of patients attended	..	..	..	..	313883
(1) Out-patients	..	..	..	..	18 648
(2) In-patients.	..	..	..	..	18 648

20. Family Welfare Centre :

A family planning centre is run for the benefit of patients attending the hospital.

(1) Vasectomy operations performed	333
(2) Sterilization operations performed	485
(3) Loops inserted	103
(4) Total No. of Oral pills given to patients.	183
(5) Total No. of condom given to patients.	19,040

21. Special Facilities for Municipal Employees :

Separate counters have been kept at the Registration Department, Dispensary for the municipal staff.

22. Library :

Total No. of new books-purchased.	Nil
Total books	241

23. Interns :

215 Graduates from L. T. M. G. Hospital are allowed to undergo internship training at this hospital. 230

ADMINISTRATION

DR. (SMT.) S. K. SARAF,
M.D. D.G.O. D.F.P.
Medical Superintendent.

Other Heads of Department.

Name	Qualifications	Designation.
Dr. V. Y. Chavan	.. M.D.F.C.P.S.C. (C.P.S.)	Hon. Asstt. Physician.
Dr. S. R. Deshpande	.. M.D.	Hon. Asstt. Medicine. Post Vacant.
Dr. N. N. Desai	.. M.R.C.P. D.C.H. (Lond)	Hon. Asstt. Paediatrician.
Dr. (Smt.) Shalini Bhatt.	.. M.D. (Paed.) M.R.C.P. (Bom.)	Hon. Asstt. Paediatrician.D.C.H.
Dr. D. V. Bhagat	.. M.S. (Bom.)	Hon. Asstt. Surgeon.
Dr. A. R. Nerker	.. M.S. (Bom.) M.R.S.H. (Lond.)	Hon. Asstt. Surgeon.
Dr. (Smt.) Lata Dandekar	.. M.D.D.G.O.D.F.P.	Hon. Asstt. Gyn. & Obst. Unit II
Dr. (Smt.) S. K. Saraf	.. M.D.D.G.O.D.F.P.	Head of Gyn. & Obst. Unit I
Dr. A. N. Parelkar	.. M.S. (Bom.) Orth.	Hon. Asstt. (Orth) Surgeon.
Dr. K. P. Morwani	.. M.S. (Bom.) DORL (Bom.)	Hon. Asstt. ENT Surgeon.
Dr. M. B. Kukreja	.. M.D. (Bom.) D.V. & V.D.	Hon. Asstt. Derm & Vrm
Dr. N. S. Athnikar	.. M. S. (Bom.) O.P.T.H. D.O.M.S.	Hon. Asstt. (Ophth) Surgeon.
Dr. M. R. Kamdar	.. M.D. (Bom.) D.A. (Bom.)	Hon. Asstt. Anaesthetist.
Dr. V. V. Chheda	.. M. D. (Bom.) D.M.R.E. (Bom.) D.M.R.D. (Lond.) F.R.C.R. (Lond)	Hon. Asstt. Radiologist.
Dr. (Smt.) S. S. Deodhar	.. B.D.S. (Bom). F.R.C.R. (Lond.)	Part-time Dental Surgeon
Dr. K. S. Ayyar	.. M' D.	Hon. Asstt. Psychiatric
Dr. S. M. Paradare	.. M.D. (Pathology)	Hon. Pathologist

APPENDIX I

Total No. of patient treated department wise at O. P. D. and I. P. D. including patient remaining as on 31-12-1982.

Serial No.	Name of the Department	Treated O.P.D.	Patients Indoor	Casualty
1	Medical	77,991	4,791	
2	Surgical	43,442	4,045	
3	E. N. T.	13,154	913	
4	Ophthalmic	12,741	588	
5	Skin and V. D.	21,849	6	
6	Paediatric	36,836	2,817	
7	Orthopaedics	19,949	1,414	
8	Gynaecology and Obst.	36,670	4,074	
9	Dental	6,126		
10	Psychiatric	2,558		
11	Casualty			26,073
12	Other investigations	16,494		
	Total	3,13,883	1,8648	26,073

APPENDIX II.

Distribution of beds according to Department.

Sr. No.	Department	Male	Female	Children	Total
(1)	Medical	30	18	..	48
(2)	Surgical	35	17	..	52
(3)	Gyn. & Obst.	..	75	..	75
(4)	Ortho.	25	10	..	35
(5)	E. N. T.	15	10	..	25
(6)	Ophthalmic	15	10	..	25
(7)	Paediatric	..	..	35	35
(8)	Casualty	..	..	..	5
	Total	120	140	35	300

SHORT NOTE.

Short Note.

The late Shri Harilal Bhagwati 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 on 1-9-65 by late Shri Marotrao Kannamwar the then Chief Minister of Maharashtra on 1-9-1965 and the hospital was inaugurated by Shri Morarji Desai the then Deputy Prime Minister of India on 4-2-1968. Originally the hospital started with the 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 Paediatric 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 Gynaec. and Obstet. E. N. T. Orthopaedic Ophthalmic, Skin and V. D., Radiology, Pathology, Anti-Rabic Immunizations, School Clinic, Psychiatric, Dental Department, Anaesthesia, Audiology and Speech Therapy Poor Box Charity Fund, Dispensary, Family Planning Centre, Special facilities to Municipal, employees, Library, Internship, for post graduates, etc. were gradually raising the total bed strength to 300.

The number of operation theatres was also increased to 7. We have now two units of operation theatres with in all 7 operation theatres. Two unit have been air-conditioned. The Blood Bank at the hospital was putting into commission in August 1977. It is working round-the-clock. It has been named as Shri Keshavalal Jethuchand Bhansali Lions Blood Bank on 24-6-1979. On receipt of donation from the Lions Club of Borivli (West).

The Casualty Deptt., at the hospital was put into commission from 22-5-1978.

Part time Dental Clinic started at this hospital from March 1978. School clinics started from 3-3-1980. Psychiatric department from 8-9-1980.

The following Departments and services exist at the hospital.

Department		Bed strength.
(1)	Medical	48
(2)	Surgical	52
(3)	Orthopaedic	35
(4)	E. N. T.	25
(5)	Ophthalmic	25
(6)	Gyn. & Obstrics	75
(7)	Paediatric	35
(8)	Casualty	5
		300
(9)	Skin and V. D.	
(10)	E. C. G. Department	
(11)	Radiology Department	
(12)	Pathology Department	
(13)	Blood Bank (Round-the-clock)	
(14)	Occupational and Physio Therapy (Part-time)	
(15)	Dental Clinic (Part-time)	
(16)	Medical Record Department	
(17)	Social Service Department.	
(18)	Family Welfare Centre	
(19)	Immunization Centre.	
(20)	Mobile Dispensary	
(21)	Ambulance Service and 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)	Histopathological Deptt.	

This hospital has the facility of supply of L. P. 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 system has been installed and started functioning.

Nurses' Training School is started and the trainee nurses are housed in the Nurses' Home building.

There are three buildings for residential quarters with in all 40 blocks in the compound of the hospital.

The mortuary department at this hospital was put into commission from 6-5-1983.

DR. (SMT) S. K. SARAF
 Medical Superintendent,
 Shri H.B.M.G. Hospital,
 Borivali, Bombay 92.

CITY ENGINEER'S DEPARTMENT

The Engineering Department as a whole is a major department of civic administration providing amenities and facilities to the citizens within the availability of funds. The City Engineer as a Head Of Engineering Department with his subordinates supervises the functions of the Engineering Department and co-ordinates the works of various branches under Dy. C. E. (P&D) Dy. C. E. (D. P.) Dy. C. E. (Roads) Dy. C. E. (Projects) Dy. C. E. (Productivity), Dy. C. E. (M&G), Dy. C. E. (Civil) Environmental Sanitation and Project. Dy. C. E. (M&E), three Zonal Dy. C. Es. and Slum Improvement Deptt. headed by 2 Ex. Engineers.

HIGH-LIGHTS :

I—(A) Expenditure :

	Rs. (in Crores)
Expenditure incurred :—	
(i) On execution of Loan Works	50.14
(ii) On execution of revenue works	4.96
(iii) On Establishment	35.00
(iv) On other heads—	
(a) From Loan Works Budget	16.26
(b) From Revenue Budget	8.03
(B) Revenue Earned :	16.49

II—Achievements :

	Completed	In progress
(1) Building Construction Branch—		
	3 Bldgs.	1 Bldg.
(a) Housing tenements	269 T/S	670 T/S
(b) School Buildings	12	19
(c) Markets	3	8
(d) Hospitals, Maternity Home & Dispensaries	18	16
(e) Other Building Works	20	39
(2) Road Construction Branch—		
(a) Road surfacing in Asphalt Concrete	10 Nos.	8 Nos.
(b) Road surfacing in Cement Concrete	6	7
(c) New Roads including S.W. Drains	10	8
(d) Road widening	23	20
(e) Any Other Works	26	15
(3) Building Proposal Branch—		
(a) Residential Building Proposal—	Under Section Nos.	Under Section Nos.
	337	342
(i) Received	1517	1658
(ii) Approved	696	699
(b) Non-Residential building proposals	534	..
(c) Residential buildings constructed (No. of tenements are shown in brackets)—		
By Private Parties	By Co-op. Societies	By Employers for staff
1127 (14778)	249 (4392)	42 (1060)
(d) Non-residential building constructed by private parties.		226
(4) Slum Improvement Branch—		
(i) Colonies covered for Improvements		92
(5) Air Pollution Prevention Cell—		
(i) Air Pollution complaints attended		266 Nos.
(ii) No objection certificate issued		104 Nos.
(iii) Proposals concerning factory administration		595 Nos.
(iv) Proposals for registration of Electrical furnaces and ovens		92 Nos.
(v) No. of samples collected and analysed at Monitoring Stations		5,787 Nos.
(6) Mechanical Branch—		
(a) Jobs attended by—		
(i) Workshop		753
(ii) Foundry		152
(iii) Washing services rendered by Municipal Power Laundry		51 medical Inst.
(iv) Linen washed by Laundry		46,66,895

(7) Electrical Branch—

- (i) Building Construction Section.
 (ii) Works by Contract (a) Completed—66 (b) In Progress—56
 (iii) Plant and Machinery Section—
 Jobs executed— (a) Departmentally—442 (b) Through Contract—88.
 (iv) Refrigeration Section—
 Works by Contract (a) Completed—12 (b) In Progress—10.

(8) Transport Branch—

Transport Branch used 902 vehicles, for rendering various services to V.I.P. the staff and different committees and also for health services, meat van services and encroachment removal services, etc.

(9) Conservancy Branch—

- (a) Refuse and other waste matter removal in tonnes. 10.67
 (Lakh tonnes)
 (b) Total vehicles employed for removal of refuse 2,28,084
 (c) Public Latrines maintained 944
 (d) Urinal stalls maintained 1,146
 (e) Welfare Centres for the Conservancy employees. 22

(10) Acquisition of Land—

- (a) Properties acquired—Under L.A. Act—
 (i) By Proceedings 23
 (ii) By Negotiations— 20
 (b) Proceedings in Progress— 147

(11) Maintenance of Municipal Properties—

- (i) Buildings Nos. 2033
 (ii) Roads in K.M. 1409.7466
 (iii) Works carried out through P. W. C.— 2031

(12) Supervision of private buildings and factories—

- (i) Notices under different sections of the Act.
 Issued—3382; Complied with—1345; Pending—2037.
 (ii) Unsafe buildings or portions thereof removed by the Corporation under section 489 of Bombay Municipal Corporation Act. 147
 (iii) Authorities granted to the tenants under section 499 of the Bombay Municipal Corporation Act. 182
 (iv) Tenants who took advantage of the authorities 2,264
 (v) Action taken against unauthorised structures 6,686
 (vi) Unauthorised structure removed—
 By Parties—485; By Corporation—1367; Cases where action dropped—350
 (vii) Factory permits issued 1,323
 (viii) Prosecution launched 1,541
 (ix) Prosecution decided in favour of the Corporation 1023

1. PLANNING BRANCH :

This Branch headed by Dy. City Engineer (Planning and Design) is mainly concerned with activities of preparing plans and estimates of Municipal Buildings, invitation of tenders and awarding contracts for the Works and also for Petty works of repairs to Municipal Buildings, propping works in respect of dangerous buildings and supply of drawing materials to Municipal Departments. The details of the work carried out during the year under report are as under :—

Serial No.	Particulars	General Building Works.		Housing		Slum Improvement		Annual Contract for Drawing material	Annual contract for propping etc.	Providing Furniture to Municipal properties.	Waterproofing the Municipal properties and construction of compound walls.	
		City	Subs. & Ext. Subs.	City	Subs.	City	Subs.					P.W.C.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1	Cloth tracing ..	..	..	..	..	..	..	..	..	..	..	..
2	Paper tracing .. (General Drawing)	200	215	22	28	..	..	..	..	..	..	..
3	Blue print copies	5000	6'00	3000	4000	2001	2015	..	..	..	..	..
4	Block estimates ..	12	3	7	2	..	..	..	..	..	..	..
5	Amount of Block estimates (Rs. in crores)	5.87	0.80	1.53	0.70	..	..	..	..	..	..	..
6	Detailed plans and estimates. (Nos.)	20	8	3	2	..	..	..	..	..	20 Nos.	6 Nos.
7	Amount of detailed estimates (Rs. in crores)	4.23	0.86	0.52	0.69	..	..	..	..	..	0.26	0.38
8	Contract awarded (in crores)	6.39	12.57	0.31	0.77	..	..	33	5	11	0.10	0.03
9	Detailed estimates in hand (Nos.)	21	19	6	4	..	..	..	..	..	10 Nos.	5 Nos.
10	Approx. cost of detailed estimates in hands (Rs. in crores)	10.50	4.20	1.86	2.50	..	..	..	..	..	0.06	0.67

2. REPAIR BOARD CELL :

Two A.Es. with three S.Es. (One post out of four is vacant for last two years) are working in this Cell under Control of E.E.B.P./Dy. C.E.(C).

The Repair Cell is created in the year, May 1970 for doing such work as will help the members representing the Corporation on Bombay Housing and Area Development Board to play their Roles effectively and also to collect such informations as they may need for giving effect to the provision of Bombay Municipal Corporation Act, concerning the repairs action as mentioned under Section-102 of the Maharashtra Housing and Area Development Act.

The broad features of the works done by the Staff working in this Cell during the year, from 1st April 1983 to 31st March 1984 are as under :—

(1) Preparation of notes on Agenda for Boards meeting, Boards Technical Committee meetings held every month (30).

(2) Scrutiny of Draft Schemes submitted by the Board for reconstructions of Buildings (29).

(3) Sites inspection of Location of the Building which are to be undertaken by the Bombay Housing and Area Development Board for Structural Repairs (150). Such inspections are necessary to determine the admissibility of Structural Repairs for such Buildings viz. if affected by Development Plan Reservation, proposed Regular Line of Roads, widening of Road Schemes, etc.

(4) Comments on the proposals referred to by the Building Proposal Section, are given on the repairs to the cessed Buildings for considering the permission for Repairs, etc. (160).

3. SLUMS.

Since establishment of the Slum Improvement Cell in 1969, the work of providing civic amenities in different nutment colonies has been continued under the programme of environment of Slum. A grant of Rs. 1.49 Crore has been received during the year from Bombay Housing & Area Development Board by way of reimbursement of the expenditure incurred on the basic amenities provided during the year.

The colonies comprising of a population of about, 75,000 were provided amenities under the Slum Improvement Programme during the year. The Corporation have provided 222 Nos. of W. C./A. P. Seats, 81,250 Sq. mts. passages of 28,333 R. Mts. of drains 50 number of taps and 23 Nos. of Street light poles in various Slums.

The Corporation in addition to the basic amenities has also provided additional amenities such as 13 Nos. of school, 6 Nos. of Dispensaries, 12 number of Welfare Centres, One Balwadi, One Police Chowky and Custady room, etc.

The details in respect of the colonies improved and being improved during the year 1983-84 are given below :—

(A) Works Completed during the year.

(1) No. of colonies on Municipal land.	..	..	29 Nos.
(2) No. of colonies on Government land.	..	..	9 Nos.
			Total : 38 Nos.

(B) Works in Progress during the year :—

(1) No. of Colonies on Municipal Land	..	..	..	26 Nos.
(2) No. of Colonies on Government Land..	..	..	..	16 Nos.
(3) No. of Colonies on Private Land	..	..	..	12 Nos.
				Total .. 54 Nos.

4. 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, and Town Planning Act, 1966.
- (3) Acquisition of land required for providing various civic amenities.
- (4) Town Planning Scheme.

1. Implementation of Development Plans

This department prepares guide lines for implementation of the development plan sanctioned in 1967. The guide lines are prepared for matters connected with Building By-laws, Development Control Rules and Urban Land (Ceiling and Regulation Act 1976).

While implementing the sanctioned development plan it becomes necessary to Modify the reservations or to delet the same as required by the site conditions or to meet the immediate requirements of the public.

Thus during the year 28 proposals were submitted for modifying the D.P. reservations. Out of these 10 proposals sanctioned by the Corporation for modification and 1 proposal for deletion. The proposals have been processed further and are submitted to state Government for final sanction. Out of the 7 proposals submitted for modifying the provisions under development control rules, 5 proposals have been sanctioned by the Corporation and 1 of them has been submitted for final sanction of State Government.

2. Revision of Development Plan :

The draft revised development plan of wards has been completed and published on 26th May, 1983 as required by the Section 26(i) of the Maharashtra Regional and Town Planning Act 1966 for inviting suggestions/objections from the members of the public. The draft revised plans of wards were also placed before the respective ward councillors with a view to invite their suggestion/objection. The copies of the plans for suburban wards duly modified wherever necessary are being printed and will be shortly published for inviting suggestions/objections from the members of the Public along with the report on the draft revised development plan (1981 to 2001). This will be as per statutory requirement under M.R. and T.P. Act 1966

The draft revised D.C. Rules including Municipal building Bye-laws for all Corporations in the State of Maharashtra and decided to be adopted for the Revised Development Plan of Greater Bombay, have also been published along with Draft Revised Development Plan for City Wards and have been made available for sale to members of the public

Some of the recommendations made by Messrs Tata Economic Consultancy Services towards raising finance with additional resources to meet the heavy cost of implementation of draft revised development plan for 1981-2001 are implemented. Other suggestions are under scrutiny.

3 Acquisition of Land required for Civic amenities :—

Due to financial stringency the process of Acquisition of properties for public purposes had to be slowed down during the year. In the process of acquisition difficulties arose for want of suitable alternative accommodation to clear the encumbered plots. 23 properties have been acquired through the proceedings and 20 properties have been acquired by negotiations during the year. In respect of 29 properties awards have been made by Special Land Acquisition Officer. Proceeding in respect of 147 properties were in progress under the Maharashtra Regional and Town Planning Act 1966 and the Land Acquisition Act 1894. Eight Government properties have been taken over by the Corporation.

The land rates in respect of one case of acquisition of set back of lands and standard rents in respect of 26 Municipal properties have also been fixed.

4 Town Planning Scheme :

There are 33 Town Planning Schemes in the whole Greater Bombay, 4 in City Proper, 25 in Suburbs and 4 in Extended Suburbs.

CITY :

(1) Town Planning Scheme Bombay City No. I (Mandvi and Elphinstone Estate). The work of varying this T. P. S. is in progress along with the draft revised D. P. of 'B' Ward.

(2) T. P. S. Bombay City No. II (Mahim Area)—This Town Planning Scheme is under 1st variation. The Tribunal has concluded its hearing on 30th March 1982 on varied scheme. The Arbitrator Town Planning Scheme Bombay has submitted the Scheme to the Government for final sanction which is awaited.

3. Town Planning Scheme Bombay City No. III (Mahim Area)—This Town Planning Scheme is under 1st variation. The Tribunal appointed by the Government of Maharashtra, have concluded its hearing on 4th March 1983. The Arbitrator, Town Planning Scheme, Bombay submitted this scheme to the Government of Maharashtra for final sanction, which is awaited.

(4) Town Planning Scheme Bombay City No. IV (Mahim area)—This scheme is under 2nd variation and its work is in progress along with the Draft Revised D. P. of G/North Ward.

SUBURBS :

There are in all 25 Town Planning Scheme in Suburbs. Except the below mentioned schemes all other schemes are finalised and being implemented by the concerned ward officers. Moreover, now all these Town Planning Schemes, except following schemes, are under variation and the said work is in progress along with the Draft Revised Development Plan of Subs. wards.

- | | |
|---|--|
| (1) Town Planning Scheme. Bandra No. III (1st variation) | Arbitrator, Town Planning Scheme, Bombay has already submitted this scheme to Government of Maharashtra for final sanction which is awaited. |
| (2) Town Planning Scheme, Santacruz No. VI (1st variation) | Do. |
| (3) Town Planning Scheme, Ghatkopar No. III (1st variation) | Do. |
| (4) Town Planning Scheme, No. V (Final) Vile-Parle. | The President/Tribunal of Appeal appointed by the Government of Maharashtra for this scheme, its hearing concluded on 26th October 1983. The scheme will be submitted to the Government of Maharashtra by the Arbitrator, Town Planning Scheme, Bombay for final sanction shortly. |

EXTENDED SUBURBS :

There are in all 4 Town Planning Scheme is extended suburbs. Out of these 2 T. P. Schemes viz. T. P. S. Malad No. 1 (1st variation) & T. P. S. Borivali No. I (Final) are under implementation and also the work of varying the T. P. Scheme is in progress along with the Draft Revised D. P. of the respective wards. The position of the remaining T. P. Schemes are as under :—

- | | |
|--|---|
| (1) Town Planning Scheme Borivali No. II (1st variation) | This scheme has already been submitted by the Arbitrator Town Planning Scheme. Bombay to the Government of Maharashtra for final sanction which is awaited. |
| T. P. S. Borivali No. III (pri.) | The T. P. Scheme is still before the Arbitrator Town Planning Scheme Bombay for finalisation and also the work of demarcating the F. Ps. in the said Town Planning Scheme is in progress. |

5. CIVIL & ENVIRONMENTAL SANITATION AND PROJECT :

1. This Department was formerly named as "Air Pollution and Project Department." The department is headed by Dy. C. E. (Civil) Env. San. & Projects.

2. The following sections work under the Administrative and Technical Control of this Department.

- I—Air Pollution Prevention and Control Cell.
- II—Water Pollution Prevention and Control Cell.
- III—Central Ambulance Service (CAS) and Emergency Medical Care Project including setting up of Tele-Communication Net-work for Water Supply and Sewerage Project Deptt. and CAS.
- IV—Civil Defence and Vigilance over Mech./Elect. works.
- V—Project on supply of Natural Gas in Greater Bombay and matters connected with proposed Municipalization of Bombay Gas Company.
- VI—Special Projects.
- VII—Task Force on Quarrying operations in Bombay.

2.1 Air Pollution Prevention & Control Cell : This cell has two wings (a) Administrative and Engineering (b) Health Survey Wing (a) Administrative and Engineering Wing is further divided into three groups viz.,

2.1a Air Quality Monitoring Group : is entrusted with air quality Surveillance Air Pollution Meterology and determination pollution trends etc.

Air quality Monitoring and Research Laboratory : carries out Ambient Air Quality and stock Monitoring for various "Criteria" pollutants. The Meteorological parameters like wind speed, wind directions, temperature and relative humidity are also Monitored Routine Survey programme are carried out at the following ten stations Colaba Babula Tank D. C. Road Dadar, Chembur Naka Saki Naka Ghatkopar Mulund Borivli Goregaon. Health Survey Programme are carried out at following 'Air Monitoring Stations' Tilak Nagar Anik Nagar Khar Santacruz Parel.

Air Monitoring Stations sponsored by BMRDA : (i) Bharat Refineries (2) Sewree (Nautical Engineering College; (3) Mankhurd.

Monitoring Stations sponsored by R. C. F. : (1) Maravli (2) Sion Koliwada.

2.1 a.2 Emission Inventory Group : The main function of the group is to prepare a comprehensive Emission Inventory of all polluting sources. The group also deals with proposals of shifting of non-conforming Industries which are abnoxious and causing danger to public health.

Data collection is done by sending questionnaires to industrial sector and the Mobile sources. A list of Industries categorised according to the connected load of factory is prepared. Master data sheets were sent to 450 industries having connected load of more than 400 H. P. out of which 320 Industries have replied. Process data questionnaires was prepared and sent to these industries to collect further data Traffic Studies were carried out at selected junctions. Two Noise Nuisance complaints were attended. Noise levels of compressors at Bhandup Complex and air injection station of sewerage department were measured.

2.1.a.3 Enforcement Group : This group entrusted with factory Administration and Licensing from Air Pollution point of view.

During the year 1057 proposals were dealt with—

	Nos.
(i) Air Pollution complaints.	266
(ii) No objection certificates.	104
(iii) Proposals concerning factory Administrations i. e. Renewal of permits, additional load etc.	595
(iv) Registration of electrical furnaces/ovens.	92
Total	1057

During the year fees amounting to Rs/ 55,00,000 were collected from different industries for pollution abatement fees.

2.1b Health Survey wing : The unit established at K. E. M. Hospital has been discontinued since April 1983.

2. II Water Pollution Control : Various industries are discharging their industrial effluent into Municipal drains, nallas, sewers, without giving any treatment. Action is required to be taken against these industries. As a first step, a survey of such industries was started in 1980-81 and being continued.

So far a total of 202 industries in the City and 683 industries in suburbs are found to be discharging harmful industrial/domestic effluent without any treatment. A questionnaire is sent to these industries to detect the extent of pollution by ascertaining quality and quantity of trade effluent discharged. Industries are requested to obtain consent of Maharashtra Pollution Control Board for discharging effluent. They are also persuaded to put up treatment plants for giving treatment to the effluent. Their renewal of a industry/factory permit licence were held over till they submitted time bound programme to put up effluent treatment plant. Actions against defaulting/adament industries were initiated.

Technical scrutiny of proposals of waste water treatment plants is also made by this cell. Modifications suggested proposals expedited through departments of Corporation and necessary guidance is given.

About eight industries have already come forward with the proposal to construct waste water treatment plants. Three other industries have already commenced the construction work of such plants.

The normal policy of this cell is to motivate the industries to take measures for control of water pollution and only in hard cases action is initiated.

2. III Emergency Medical Care Projects Central Ambulance Service.

Planning, Execution and Operation of the project was continued during the year.

(a) Following E.M.C.C. are completed, commissioned or in completion Stage so far.

(i) L.T.M.G. Hospital, Sion Commissioned.

(ii) R.N. Cooper Hospital Commissioned.

(iii) M.T. Agarwal Hospital, Mulund In completion Stage.

(iv) Centenary Hospital, Kandivali Completed.

(v) Centenary Hospital, Govandi Completed.

(b) C.A.S. Head Quarters at Chembur.

Plans and block estimates are ready. As the litigation of plot is pending vacant possession of the plot could not be obtained.

(c) Ambulance garages and satellite centres—

Complete and ready : Tagore Nagar Vikhroli (East) Bhandup Mulund (East) Bandra (West) Bandra (East) Malad (East) Sewree, Mahim and Raoli.

Work in progress : Chünabhatti, Ghátkopar (West).

Proposed : Malad Marve Road, Malad (West) and Goregaon (W).

Ambulance : Oxygen piping in 3 'A' type and 8 'B' type Ambulances is completed. One 'A' type and one 'B' type ambulance is attached to the E. M. C. C. at Dr. R. N. Cooper Hospital Vile Parle while one 'B' type Ambulance is given to A. T. C. and W. I. A. A. which is stationed at Church-gate.

2.IV Civil Defence and Vigilance over Mech./Elec. works

(i) Training

Activity to impart civil defence training to volunteers is carried through out the year in liaison with Director of Civil Defence. During the year 107 Municipal employees were trained in Civil Defence Course.

(ii) Civil Defence Plans. Operational and survival plans of the essential services are revised and brought upto date.

(iii) Vigilance over Electrical and Mech. works Technical audit was carried out in respect of 170 cases. Electrical, Mechanical and Refrigeration works totaling 133 and costing Rs. 2.3 crores were inspected.

2.V Natural Gas Project : Distribution of Natural Gas in Greater Bombay. The work of preparing a report on Techno-economic feasibility for distribution of Natural Gas to domestic sector and industries has been entrusted to Messrs Humphreys and Glasgow Consultants Pvt. Ltd. The report is ready and submitted to the Government of Maharashtra and Government of India. The Government of Maharashtra and Government of India. The Government of Maharashtra has appointed a "Steering Group" to study the issue of distribution of Natural Gas in Greater Bombay. Required information is submitted to the "Study Group." Its decision is awaited.

2.VI Special Projects : (i) Ferry service at MarveManori Creek.

This department co-ordinated with different departments like Part Authorities Municipal Departments Electric Supply Co. etc. to resolve various problems faced by the B. E. S. T. Undertaking for smooth operation of ferry service between Marve and Manori.

(ii) Remodelling of Dhobi Ghat :

There are about 357 Bhattis provided for washing cloths. The cheap type of fuel used in these Bhatties with no proper arrangement for supply of air required for combustion, causes severe ground level pollution, practical solution of providing live steam to Bhatti pots directly from the Central Generation Plant was found out. The scheme estimating Rs. 25 lakhs has already been approved by the Corporation when the project is executed the problem of ground level air pollution will get solved.

(iii) Rehabilitation of Potters, Dharavi.

There is considerable groundlevel air pollution due to smoke nuisance near Dharavi. This is because the Potters use cheaper type of fuel without any effective combustion system. A Techno-economic feasibility report was got prepared from Messrs Kirloskar Consultants. They have suggested complete rehabilitation of potters by construction of residential buildings centralised working places for manufacturing activities and construction of mechanical furnaces. A decision has since been taken that the potters should themselves implement this project under overall supervision of the Corporation. The revised scheme submitted by the potters Architects is under scrutiny.

2. VII Task force on quarrying operations in Bombay : The economic exploitation of the geographical features, deteriorates the environment and in turn affects, the quality of life in urban area. The Municipal administration felt that specific action needs to be taken to arrest the degradation due to quarrying in hills of Bombay. Attempts should also be made to preserve these hills by plantation etc.

With this view in mind a 'Task-Force' to assess the impact due to quarrying operations in Greater Bombay has been formed in March 1983. The Task Force is collecting data about the quarries to scrutinize the same and formulate a policy in this regard.

6. MECHANICAL BRANCH

During the year 1983-84 under view of Municipal Workshop received 859 fresh jobs. Total number of jobs completed 753 including previous year pending jobs. The total expenditure on departmental works amounted to Rs. 50,02,818.56. The up-keep and overhead charge amounted to Rs. 6,20,570.00 which works out to be 2.70 per cent. The labour strength during the year was about 347. There were 300 working days during the year 1983-84.

(i) Machine Shop : Repairs to the Pump of Pumping Stations and purification works, were undertaken. Special jobs of repairs of renovation of pipe line of filter plant. In addition manufacturing of impellers, C.I. Bushes, Shaft of pumps and C.I. Casting of Hospital lawn movers, shear sharpening works of garden department, were undertaken, shaft, spindles, brass bushes were also manufactured.

(ii) Boiler Shop. In this section, the major jobs were of the fabrication of different types of hand carts for conservancy department and drainage department, repairs to tar boilers and different types of hand carts were undertaken. Various play apparatus for garden department were fabricated and repaired by this section. Various clamps, hooks, xles, brackets and iron rakes of conservancy department were fabricated in the smithy section of Boiler shop.

(iii) Carpenter Shop The work undertaken in carpenter shop was of a manufacturing of wooden-make, notice boards, table benches, chairs, wooden hand-carts, wooden cup-boards, seasaw different play apparatus of garden Department, diving boards for swimming pools, lockers for swimming pool and some such other jobs were undertaken. The meter boxes switch boards required for hospitals and other departments were also manufactured. The work of polishing wooden articles like chairs tools etc. of Hospital were also undertaken.

(IV) Paint Shop.—In the paint shop, besides day to day work of painting of name boards of various department painting of parts manufactured at workshop, viz. hand carts, dust bins etc. Vehicles of transport department and furniture of different department, were carried out.

DESIGN SECTION :—

Mechanical Design Section prepares estimate, blue prints, and specifications for machinery furniture and mechanical equipments, invites tenders or sealed quotations for all types of mechanical jobs for Municipal Departments. It also helps other mechanical and electrical departments of Municipal Corporation of Greater Bombay in carrying out their Mechanical jobs.

(A) The following important work were executed during the year 1983-84.

(i) Commissioning of L.P.G. installation of K.E.M. Hospital.

(ii) Polishing of wooden furniture for various Department of Corporation.

(iii) Repairs to the chimney at Kasturba Hospital through Municipal Workshop.

(iv) This section has performed remarkable job of removing machinery and chimney during the demolition works at Sewree.

(B) The following general repairs work were carried out during the year 1983-84.

(1) Repairs to over head M. S. tanks	99 Nos.
(2) Collapsible gates	165 Nos.
(3) Rolling shutters	64 Nos.
(4) Ancilliary Welding works	39 Nos.
(5) Carpentry Jobs	144 Nos. Jobs.
(6) Steel Furniture	1572 Nos.
(7) Wooden Furniture	8 Nos.
(8) Painting Jobs	751 Nos. +700-
(9) Nawghani works	30 Nos.
(10) Main Gates	18 Nos.
(11) Pump Repairs	18 Nos.
(12) Ornamental Gates	2 Nos.
(13) Market Stalls	19 Nos.
(14) Annual Survey of Boiler	2 Nos.
(15) Drawing prepared	58 Nos.
(16) Sketches prepared	58 Nos.
(17) Blue Prints drawn	600 Nos.
(18) Repairs to Fire extinguishes	Nil
(19) Wall Clock Repairs	12 Nos.
(20) Steel Windows Repairs	39 Nos.
(21) Asphalt Plant Maint. & Repairs	2 Nos.

(C) THE FOLLOWING WORKS WERE CARRIED OUT DURING THE YEAR 1983-84.

- (1) Painting to the chimney of cupola furnace of foundry at Municipal workshop.
- (2) Providing double safety valve and thermameter to 10 M.T. capacity L.P.G. tank at K.E.M. Hospital and obtain licence from Chief Controller of Explosives, Nagpur.
- (3) Providing double safety valve and thermameter to 10 M.T. capacity L.P.G. tank at G. T. B. Hospital.
- (4) Providing one 1,000 Kg. capacity dial type Avery Scale for Foundry Section of Municipal workshop.
- (5) Installation of L.P.G. tank with suitable pipe line and equipments at G.T.B. Hospital.
- (6) Installation of L.P.G. tank with suitable pipe line and equipments at Kasturba Hospital.
- (7) Installation of L.P.G. tank with suitable pipe line and equipments at Nair Hospital Dental College.
- (8) Installation of Laundry Machinery at Municipal Power Laundry.
- (9) Providing and fixing M.S. platform with railing for steel tank at A. K. Department of K. E. M. Hospital.
- (10) Providing 995 connection to RMO Quarters at L.T.M.G. Hospital.

(D) During the Administrative year, this section completed the work to tune of Rs. 20,66,000

(VI) Foundry Shop :—Municipal foundry situated at Municipal workshop, R. S. Nimkar Marg, Bombay 400 008. Caste, Ferrous and non-ferrous items as per the requirements from various Municipal Departments. For ferrous casting there is one number of 2 ton/hour. capacity Cupola and for non-ferrous casting 2 Nos. of fired pit furnaces. C. I. manhole frames and covers are the main product of Municipal foundry. Other articles includes pump casting impellers, housing, plates, hubs bushes, frames, gun-metal branges, white metal, bearings and special allege etc. are casted at Municipal foundry.

During the year foundry received 152 jobs from various departments. Out of these 132 Nos. of jobs and 10 jobs of the year 1982-83 are completed. Foundry has supplied to C. S., Dy. Ch. Engineer (Stores) and other departments 100 Nos. of manhole frames and covers and 187+ 261 Nos. of rectangular M.H.F. & C., 100 Nos. of Air vent pipe. 50 Nos. of manhole frames and covers, 600 Nos. of 560 M.M. of circular manhole frames and covers per year.

(VII) Municipal Power Laundry :—During the Administrative year the laundry washed 46,66,895 lines of 51 medical Institutions, The rate of washing was fixed at Rs. 120 for 100 pieces of linens for the period from March 1983 to February 1984.

7. ELECTRICAL BRANCH :

The activities of the different sections of the Electrical Branch were as under :—

(i) Planning and Design Section :— This section deals with the preparation of Estimates, Invitation and recommendations of tenders, execution of contract for major electrical works in the newly constructed and old Municipal Buildings under the Loan Works Programme 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-5.

(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 No. 8.

(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 Machinery under Loan Works Programme as well as under the Revenue Budget for City and Suburbs.

(iv) *Plant and Machinery Section* : This section carries out repairs and maintenance of electrical machinery and electrical works in the existing municipal properties.

33 Estimates were prepared.

88 works were carried out through outside agencies costing Rs. 2,29,408.00

442 works were executed departmentally costing Rs. 5,17,348.

(v) *Ward Maintenance Section* : This section carried out electrical works in the existing municipal properties other than those looked after by the plant and machinery section.

There were 89 estimates amounting to Rs. 29,63,839 prepared and works of electrification, providing pumping sets, electrical fans fittings and clocks, repairs to and providing sound system, Intercom system etc., amounting to Rs. 3,85,693 are completed and works costing Rs. 2,76,669 are in progress.

8. CONSERVANCY BRANCH :—

The Department of Solid Waste Management including the Transport Branches works under the direction and control of the Director, (Solid Waste Management). He is assisted in the work by Dy. City Engineer (Solid Waste Management), Head Supervisor, (City) Head Supervisors, (Sub.) Assistant to the Head Supervisors and by two Executive Engineer in the Transport wing. The Transport Wings provide vehicles for transportation of refuse and cess pool contents from un-sewered area.

Solid Waste Management :— The service consist of collection, removal and disposal of garbage and sweepings from the Public Roads, streets, foot-paths and by-lanes and maintenance of Dumping Grounds. The work of removal of Night Soil and Cess Pool from un-sewered area and maintenance of public sanitary conveniences is also undertaking.

(i) *Collection of refuse* : All the public roads, foot-paths and house gullies were cleaned daily. The quantity of refuse and other waste material collected in street cleansing operation from the City and Suburbs is as follows :

Refuse collected.	Average per day.
City 6.34 Lakhs tonnes.	1734.24 tonnes
Subs. & Ext. Subs. 4.33 Lakhs tonnes.	1,266.00 tonnes.

During the year 311 (City), 751 Sub. and (Ext. Subs) Hutment Colonies situated on the Government of Maharashtra Housing Board, private and B.M.C.'s lands were attended to and 20,296 tonnes (City), and 51,410 tonnes (Subs. and Ext. Subs.) refuse was removed from the said colonies.

(ii) *Transportation of refuse* : Transportation of refuse was regularly carried out by engaging Mechanical traction. Total vehicle shifts employed for removal of refuse during the year are as follows :—

Serial No.	Area	Municipal vehicle	Vehicles shifts on contract	Ratio
1	City	37,437	1,05,876	26.74
2	Subs. & Ext. Subs.	38,655	56,116	41.59

For transportation of refuse 18 compacting vehicles which carry $1\frac{1}{2}$ times more load than that carried by conventional vehicles were used.

(iii) *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 6,33,916 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 Suburban and Eastern suburbs dumping ground was 4,32,845 tonnes.

(iv) *Collection, Removal and Disposal of Night Soil* :

Night Soil, Collection and disposal service was rendered to 2181 basket privy seats in the City and all Suburbs and extended Suburbs 859.95 Kilo Liters quantity of night soil was removed daily in Municipal Mechanical traction and emptied in Night soil Depot. at Dharavi and Kurla.

(v) Public and Private Latrines and Urinals :

During the year 944 public sanitary conveniences with 6449 W. C. seats and 947 urinal stalls were maintained, there exists 90 separate urinal blocks with 368 urinal stalls in the City area and 193 urinal blocks with 768 urinal stalls in Subs. & Ext. Subs.

(vi) Prevention of Nuisance :

During the year 1,198 cases in the City and 1948 cases in the Suburbs and Extended Suburbs were made by 91 Nuisance Detectors for offences such as Urinating, defecating and throwing refuse on public roads under section 115 of Bombay Police Act and Rs. 65,823 were recovered as fine. During the year 1,102 cases in the City and 1368 cases in Suburbs and Extended Suburbs were made under section 372 (E) of the Bombay Municipal Corporation Act and Rs. 44,022 and Rs. 47,525 were received as fine respectively in the City and Suburbs.

(vii) 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 being carried out at village Bapne in Thane District about 20 K. m. away. from Dahisar since 1-5-1973 about 77,423 dead animals were removed during the year.

(viii) Conservancy and Special Services :

These services were rendered to circuses., Exhibitions Big-concerns, Industrial Establishments on Payment of Schedules Charges. An amount of Rs. 70,22,91 .00 was received rendering conservancy services.

(ix) Conservancy Staff Quarters :—

159 Labour Chawls and 2 Transit Camps in the City and 108 Chawls in Suburbs with 4,066 and 1,867 tenements respectively were looked after and maintained for housing conservancy staff out of 44 per cent. and 28 per cent. of the staff in the City and the Suburbs respectively have been provided with the free housing accommodation and the rest are given House Rent Allowance.

(x) Labour Welfare ;—

22 welfare centres are working for benefit of conservancy staff at different places in the City and Suburbs.

(xi) Co-operative Credit Societies for Labourers ;—

There are 12 Co-operative Credit Societies with an aggregate membership of 8,146 members for the benefit of the labourers of S. W. M. Department.

(xii) Expenditure on conservancy Services :—

The total expenditure for Division I incurred on conservancy Services for garbage, cesspool and public sanitary conveniences etc. during the year was Rs. 13,59,64,815.96 out of which Rs. 12,95,59,160.16 was for clearance, transportation and disposal of refuse of 6.34 lakhs tonnes The expenditure on Halalkhore services in the city and suburbs was Rs. 64,05,655.80 and Rs. 5,32,93,927.00 respectively.

The cost of removal and disposal per tonnes of garbage came to Rs. 220.00 and works out to Rs. 25.42 per capital.

(xiii) Special features :

(a) Workshop.—There is a workshop for solid waste management department situated at Mahalaxmi. During the period from 1st April 1983 to 31st March 1984, 104 wooden handcarts and 150 Iron Handcarts and 125 square type refuse bin are repaired in the workshop.

(b) Emergency services were given in all city wards. 79 chronic complaints were attended during night time and 1,735 tonnes of refuse and 1,460 tonnes of offal was removed.

(c) It is proposed to set up a Mechanical Transfer Station of 1,000 tonnes per day capacity at Mahalaxmi to handle the garbage of A, B, C, D and E Wards. The finance in this case will be provided by World Bank and project is approved by them.

(d) The rat incinerator plant is commissioned and put in to operation in September 1983 However, the plant could be operated only for a short period after commissioning on account of break down of refractory hearth. The contractors are repeatedly informed to repair and recommission the plant. They have confirmed to carry out the work shortly. After the repairs, the plant operation will be resumed. Meanwhile plant is operated on a lower scale to effect regular maintenance as also for burning some dead rates.

(9) TRANSPORT BRANCH :

The transport department (City) is entrusted with the functions of maintenance and operation of vehicles which are supplied to the various departments of Municipal Corporation of Greater Bombay for different services within the City limits. There were 522 vehicles 100 Trailers 17 BEML Bulldozers and 3 front end loaders with the City Transport Department.

The overall efficiency of the fleet was maintained at above 78 per cent. throughout the year. During the year 1983-84 24 new vehicles were added to the fleet.

The suburban Transport Section is entrusted with the operation and maintenance of vehicles which are rendered for different Services. New vehicles were added to the fleet and thus there were 380 effective vehicles in the fleet.,

The details of vehicles, which were utilised for various services are detailed below :—

Health services ...	...	...	...	...	77
Conservancy services	...	...	...	...	165
Encroachment removal	...	...	...	...	17
Others	...	...	...	...	121
				Total	380

ACHIEVEMENTS

(a) Selling of accumulated Scrap Materials.

(b) 15 Nos. of new vehicles were added to the fleet.

Total average efficiency of the fleet achieved during the year 78%.

10. PRODUCTIVITY UNIT.

Activities of the department during the year 1983/84 are as follow :

(1) Total No. of training programmes conducted : 33.

(2) Project studies undertaken and completed : 55.

(3) Project studies undertaken and in progress : 23.

Besides these, staff proposals, specially referred to this Branch were scrutinised through - application of Industrial Engineering Technique.

New Activities :

Preparation of training modules for all the staff of the Corporation is in progress.

The Department organised and conducted two training programmes at the instance of Government of India at the National level viz. (1) Cathodic Protection and (2) Sewer Cleaning and Maintenance.

The experiment on low cost sewage treatment at Dadar is giving good results and it has been decided to move to the second stage of testing the experiment on a small pilot plant.

Monthly seminars on different engineering topics are continued during the year.

Central Library :

New members added in the Library : 96.

Total members in the Library : 1,596.

New books purchased : 188.

Total No. of books in the Library : 3,143.

Besides these papers, reports dissertations contributed by officers on deputation for seminars, conferences, training programmes, post graduate studies and also some magazines are maintained in the Library.

The first phase of the construction of the Civic Training Institute and Research Centre at Borivli (East) is nearing completion and will be operational shortly.

However, Government of India deposited Rs. 14,000 towards the cost of the above two programmes.

11. MAINTENANCE OF MUNICIPAL BUILDINGS AND ROADS :

(i) Municipal Buildings : Municipal Buildings in the City at the end of the year were :—

(a) Housings : 27,597 Nos. (Tenements are in the City and 7,133 Nos. Tenements in the Suburbs

(b) Other Buildings : 1031 in the City and 1032 in the Suburbs.

The works of maintenance is classified under the major heads (1) Normal Repairs, (2) Special Repairs and (3) New Works. Special repairs covers the works which are likely to increase the life of buildings or structures whereas the work of additions and alterations to the buildings, as also those of providing additional amenities fall under the category of New Works.

The repairs and maintenance works at the Municipal properties were carried out either departmentally or through petty works contractors.

The total expenditure incurred on the maintenance of Municipal properties was Rupees 571.65 lacs (City Rupees 361.74 lacs and Sub. Rs. 209.91 lacs) out of this an amount of Rs. 395.95 lacs was spent on Normal maintenance. An amount of Rs. 165.70 lacs (was spent on new special repairs works. Works costing Rs. 302.71 lacs (City 161.90 lacs and Suburbs 140.80 lacs were executed through the Petty Works Contractors. Total No. of works carried out through petty works Contractors was 2031 and total No. of works carried out departmentally was 14,155 and the amount of expenditure incurred was 229.93 lacs Rupees.

(ii) Roads and Footpaths and Length of Road (K. M.)

	Cement Concrete	Block tapped	Sett paved	Water bound Macadam	Others	Total length.
City	73.1676	351.6952	0.08	24.05	178.9815	627.9746
Suburbs.	84.7	641.8	59.1	5.00	0.172	780.772

Improvement of Roads.

	Street Asphalt	Chipon Asphalt	Semi- grouting.	Asphalt concrete	Surface dressing
City.					
Area (Sq. Mtrs.)	33,500	32,500	..	41,443.3559
Expenditure (Rs. in lacs)	10.60	9.77	..	25.60
Suburbs.					
Area (Sq. Mtrs.)	1,6620.92	1963.66	15,000
Expenditure (Rs. in lacs.)	4.81	0.75	9.00

Rs. 227.06 Lacs and Rs. 219.33 lakhs have been spent on repairs of road including reinstatement of trenches in City and Suburbs respectively.

65 works and 142 works costing Rs. 27.42 lacs and Rs. 57.80 lacs respectively in City and Suburbs were executed through the Annual Petty works contractors.

As usual an amount of Rs. 8.22 lacs was paid to Bombay Port Trust for clearing and repairing the Port Trust wharves and Roads.

Miscellaneous works like repairs, repainting of street name boards, providing new boards, maintenance of public monuments, benches on the footpath and guard railings were under taken as usual.

During widening road 6240.34 sq.mtrs. land & 55,102.00 sq. mtrs. land was acquired under setback in city and Suburbs respectively. compensation claims for set back settled during the year amounted to Rs. 10610/- in City and Rs. 1,54,038 in Suburbs.

There were 40 road rollers, petrol driven nil, and diesel driven 40.

Permits :— 5,394 permits in City and 5,674 in suburbs were issued for excavation in roads and footpath, the cost of reinstatement of disturbed surface was charged to the respective permit holders and the trenches were repaired. Amounting to Rs. 25.26 lacs in City and Rs. 80.86 lacs in Suburbs and amount of Rs. 0.73 lacs in City Rs. 4.39 lacs and in Suburbs were recovered as fees for the purpose.

158 Notices in the City and 10 Notices under section 322 (b) of the Bombay Municipal Corporation Act were issued in City against unauthorised occupation of roads and footpath by dumping building materials. In addition permits Numbering 715 in city and 566 in Suburbs were issued for occupation of roads for erecting mandaps, placing chairs and benches etc., and Rs. 0.54 lacs lacs from City and Rs. 0.34 from Suburbs were realised on this account.

12.—Asphalt Plant and Crusher —

The work of asphaltting roads as approved by the Corporation were continued during the year and Roads covering an area of 1,13,835 Sq. meters, were asphalted at a cost of Rs. 42,64,226.76.

(Please see Appendix II)

Asphalt Plant. :—

(a) The Municipal hot-mix asphalt Plant at Worli was in operation throughout the year, except during the monsoon from July 1983 to October 1983. The Pegson Plant mixer worked for taking out cold-mixed materials required to fill in the potholes in the City. The labourers for running the Asphalt Plant were engaged departmentally.

(b) The total area of 15,909 Sq. mts. of potholes were repaired during the year, for, Rs. 3,24,307.24

(c) Capital roads admeasuring 97,926 Sq. mts. were repaired by surface, chip coat, Grit coat

The main Asphalt Plant and Pegson 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 chargeable to repairs grant amounted to Rs. 42,64,226.76.

The total turn out by the main and Pegson Plant were 4,974.91 M. T. and 8,017.41 M. T. respectively.

13. BUILDING AND ROAD MATERIALS TESTING LABORATORIES AT WORLI.**I.—Road Material Testing Laboratory :**

Serial No.	Particulars on sample	No. of test done (samples).	Amount of Revenue Earned.
1	Asphalt	5,016	29,552.00
2	Aggregate	250	3,340.00
3	Soils	102	9,744.00
	Total ..	5,368	42,636.00

Cost of Testing Municipal Samples which are tested free of cost is Rs. 82,857.00.

II.—Buildings Material Testing Laboratory—

Table—I

Particular of samples	Department Works.	No. of samples tested		Total Nos.
		Govt. works.	Private works.	
Concrete	7,684	870	1,637	10,191
Bricks .. ..	..	All Together	..	1,730
Cement	97	..	28	125
Steel .. ..	..	All Together	..	71

Table—II

Particular of samples	Department works.	Cost of testing in Rs.		Total cost of Rs.
		Govt. works.	Private works.	
Concrete	28,830	13,050	49,110	90,990.00
Bricks .. ..	..	All Together	..	44,980.00
Cement	Nil	Nil	5,880	5,880.00
Steel .. ..	..	All Together	..	4,050.00
Hire of Moulds ..	..	..	..	1,020.00
Sand, Metal etc.	..	..	..	640.00
Hammer Test ..	..	..	..	210.00
				<u>1,47,770.00</u>

Cost of testing (Cement) Free Rs. 20,370.00

Cost of testing (Concrete) Free Rs. 2,01,690.00

Rs. 2,22,060.00

Total cost of work done Rs. 1,47,770.00

Cost of Free testing Rs. 2,22,060.00

Rs. 3,69,830.00

14. PUBLIC STREET LIGHTING :

Lighting:—Electric street Light lamps on the Roads, Garden, foot over bridges etc. were 27,068 Nos. in the City and 36,417 Nos. in the Suburbs. There was an increase of 537 Nos. and 1401 Nos. respectively over the last year's figures.

The details of the different types of street lighting of wattages varying from 80 watt* high pressure mercury vapour (HPMV) to 400 watts HPMV and from 500 watts tungston_e filament, T. F. to 1000 watts T. F. are shown as follows —

Description.	T. F. Lamps.	H.P.M.V. Flourascent	Sodium Vapour	Halogen	T. D. Ballards.	Total	
Municipal	19,877	83,059	88	89	86	241	48,440
All in hire (BEST)	455	13,752	70	76	..	..	15,045
						<u>Total</u>	<u>63,485</u>

During the year 6,539.149 (Load) and 23,63,616 K. W. H. units were consumed for maintenance of street lighting through B. E. S. & T. Undertaking.

Additional expenditure of Rs. 93,795.00 has been incurred on street lighting on number of roads and junctions.

Additional expenditure of Rs. 8,23,075.26 was incurred for the rebate given to Bombay Port Trust Authorities as usual due to maintaining and lighting some of the roads in B. P. T. areas which are used by the general public and for the light maintenance and cleansing of these roads, cotton depots, wharves docks and bunders.

The lighting arrangement on 46 roads have been improved, street lights were provided on 22 new roads.

The temporary lighting arrangement was made during the Ganapati Festival at Girgaon Chowpatty, Cuffe parade, Mazgoan, pier Colaba, Banganga, worli, Prabhadevi, Dadar, Shivaji Park Sewri, Mahim Beaches for safety of General Public Visiting immersion ceremony.

The lighting arrangement was also provided during Navratri, Festival at Mahalaxmi Temple area Mahim Fair at Mahim and on 'New Year Evening' and 26th January at Gateway of India.

The traffic islands, central dividers and railings have been provided at 125 different junctions at the total cost of Rs. 28,56,550.

All these lighting arrangements were provided at the cost of Municipal Corporation for safety of the public view.

To illuminate the big junctions where vehicular as well as pedestrian Traffic is heavy semihigh mast lighting being provided for better result.

Removal of Vehiculs.

Vehicles which were found undergoing repairs or abandoned on public roads or footpath thereby causing obstruction to traffic and pedestrian, removed to the Municipal custody under section 314 of the Bombay Municipal Corporation Act. During the year under report total number of vehicles removed to Municipal custody was 1544 out of which 1344 vehicles were retrieved by the parties and were released on payment. Steps are taken to auction the 200 unclaimed vehicles to recover Municipal dues.

TRAFFIC :—

The work of constructing traffic islands, central dividers, R.C.C. railings, were carried on 57 roads at the approximate cost of Rs. 15,28,697.

Automatic Road traffic signals were installed. at one junctions.

Road marking strips, pedestrian crossings and road divide rline and Kerbs were painted on all important roads in City and Suburbs.

PLANNING OF STORM WATER DRAINS AND NALLA

During the year, 1983-84, various suggestions regarding the 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 9 Wards in City (One each) for (a) Repairs to the Storm Water Drains and (b) desilting of Dhapa Drains. These Agencies were utilised during the Course of a year and the work was carried out to the extent of Rs. 40,00,000.

Water entrances, Gullies, Drainage connections were cleaned through the Ward Staff in the City.

The work of desilting of major Drains and Nallas in 'F' and 'G' Wards was carried out through the three Agencies.

Two major works pertaining to the Storm Water Drains and Nallas were executed at a total cost of Rs. 45,00,000.

Eight estimates were prepared for the works pertaining to the Storm Water Drains. The cost of these estimates, worked out to Rs. 80,00,000.

(II) Regarding the Suburbs, the following Jobs were carried out.

Tenders were invited and the Contractors were appointed for the 12 Wards in the Suburban areas and the various Drains, Culverts, Nallas were desilted during the Course of a year In Addition Labourers were employed for Departmental effort for better results. The advises were given to the Words regarding the measures to be taken as and when necessary in the form of excavating Kutchra Drains, desilting and diversion of Storm Water Drains wherever necessary.

Twenty Four estimates were prepared during the year under review. The cost of such estimates was Rs. 2,45,56,810. Four tenders were invited, amounting to Rs. 40,00,000. in the Suburban areas. This is in addition to the tenders invited in the City.

However, the work of Training and construction of nallas had to be pruned and sized in accordance with the budget provisions which were drastically curtailed.

During the course of the year, 434 proposals for the development of the areas and building plans were received from the private builders. They were scrutinised and the recommendations were made for the purpose of implementation.

Three major water courses viz ; (1) Sahar Airport, (2) Marol Nalla, Andheri (3) Veera Desai Road Nalla, Andheri (West) were planned for desilting because of heavy flooding reported during the monsoons of 1983. The works were commenced and were completed before the onset of monsoon of 1984.

The works of desilting the drains and the culverts through the Railway properties between Churchgate and Dahisar and from V. T. to Mulund, were executed through the Central and Western Railways. These works were carried out at the cost of M. C. G. B.

Regarding the widening of existing culverts of providing of new culverts across the Railway lines and the Express Highways the matter was taken up with the authorities concerned, matter pursued and the payments made wherever necessary in two cases.

15. BUILDING CONSTRUCTION BRANCH :

This branch supervised the work of Building construction after contracts are awarded by Planning and Design department. A synopsis at the work done by this branch during the year is as under :—

Particulars.	Zone	Works completed		Works in Progress	
		Nos.	Actual Cost (in lakhs)	Nos.	Estimated cost (in lacs)
A. Housing.					
(a) Works including pile foundation.	City	1	2.01	..	..
	W. S.	1	46.58	..	..
	E. S.	..	..	..	..
(b) Structures.	.. City	..	..	..	..
	W. S.	..	..	..	..
	E. S.	1	..	1	..
(c) Tenements.	.. City	9	255.59	6	216.13
	W. S.	..	..	..	..
	E. S.	260	47.45	664	46.01
B. Other than Housing.					
(a) Schools	.. City	6	105.00	6	291.87
	W.S.	5	134.70	7	175.59
	E. S.	1	48.04	6	415.84
(b) Markets.	.. City	2	19.41	6	173.52
	W. S.	1	32.77	..	..
	E. S.	..	..	2	72.33
(c) Hospital & Maternity Homes.	City	14	299.94	5	1,780.13
	W. S.	4	97.59	7	416.80
	E. S.	..	..	4	429.97
(d) Other works.	.. City	14	235.86	11	527.25
	W. S.	4	71.87	13	575.32
	E. S.	2	12.94	15	1,485.43

16. PRIVATE BUILDINGS AND STREETS :

(i) *Building Proposals* : 3175 proposals (1,076 in City and 2,099 in Suburbs) under Section 337 and 342 of Bombay Municipal Corporation Act for erection of new buildings and additions and alterations to the existing buildings respectively were received during the year. Out of those 1,395 proposals (468 in City and 927 in Suburbs) were passed :—

Serial No.	Particulars	City	Suburbs
1	Building applications received	1076	2,099
2	Permits for construction of buildings issued	468	927
3	Completion certificates received	151	1,395
4	Buildings dealt with	664	16,95

(ii) *New Buildings*: The position of residential buildings constructed by different agencies other than Municipal) was as under:—

Agencies	No. of Buildings		No. of tenements	
	City	Suburbs	City	Suburbs
(a) Private enterprises	6	1,071	310	14,468
(b) Co-operative Societies	2	247	50	4,342
(c) Employers for their employees .. ..	..	42	..	1,060

534 proposals (85 in City and 449 in Suburbs) for non-residential building were received during the year—out of which 323 (78 in City and 245 in Suburbs) were disposed off and 226 (7 in City and 219 in Suburbs) non-residential buildings have been constructed during the year.

261 layouts 62 proposals for amalgamation and 19 proposals for sub-division were received and 106 layouts 36 amalgamation and 15 proposals for Sub-divisions were sanctioned.

APPENDIX No. 1

Statement showing the works of building construction completed and those in progress.

'A' Works Completed

(Amount shown in lakhs)

Serial No.	Name of the work	Expenditure Rs. in Lakhs
(a) Housing (City)		
1	Construction of T/s. for conservancy staff quarters at D. Phalke road	38.29
2	Construction of H. S. Chawl at Palton Road	24.55
3	Construction of Sweepers quarters at Kasturba Hospital	16.02
4	Costrcution of Low Costing Housing at D. P. Wadi	48.47
5	Construction of T/s. at 358 Tenements colony at Worli	49.36
6	Construction of T/s. at Bhatt Chawl, Worli	8.37
7	Reconstruction of Sukhlaji Street, Chawl No. 1	36.04
8	Construction of Manager and staff quarters at Prabhodhankar Thakre Udyan, Sewri	10.04
9	Construction of Transit T/s. in City	24.45
10	Pile foundation for Garden plot Dharavi	2.01
	Total	2,57.60
(W.S.)		
1	Construction of T/s. Shastri Nagar, Santacruz (West).. ..	46.58
	Total	46.58
(E. S.)		
1	Construction of 260 T/s. for redevelopment at Chembur labour Camp	47.45
	Total	47.45
(b) Other than Housing (City)		
Serial No.	Name of the work	Expenditure booked in laca.
1	Pile foundation for Nurses Quarters K. E. M. Hospital, Parel	9.47
2	Construction of additional floor over G/North Ward Office.	45.21
3	Guniting and painting to 'E' Ward Office	30.78
4	Extension to school building at Sewri 'X' Road	5.94
5	P. F. for School building at C. G. S. Colony, Sion, Koliwada	18.68
6	Construction of School building at Saibaba Marg, near Finlay Mill	63.98
7	Construction of Ambulance garages at various maternity homes	5.50
8	Adds. alterations, and extensions to neuro science lab. at T. N. M. College, Nair Hospital	16.23
9	Construction of lift block at Nair Hospital	24.69

Sr. No.	Name of the work	Expenditure in lack booked
10	Construction of additional floor over R.M.O.'s quarters L.T.M.G. Hospital, Sion	8.16
11	Construction of multistoreyed building for store at K.E.M. Hospital.	24.37
12	Waterproofing treatment to the terraces of various Municipal building from A to E Wards	47.89
13	Extension to School building at F.P. No. 998 T.P.S. IV Mahim, Kakasabeb Gadgil Marg	3.65
14	Additions and alterations to power laundry at Wadala	1.45
15	Construction of Municipal market at Kamathipura	1.31
16	Construction of open Air Theatre at B.I.T. Chawl at Bellasis Road	5.48
17	Construction of stage tiers at Harharwala builing N. M. Joshi Marg	12.39
18	Waterproofing treatment to the terrace of Municipal building in F S, F N Wards	11.09
19	Construction of library building at K.E.M. Hospital	39.82
20	Additional floor over Nawab Tank disp.	00.98
21	Extension to School building at E.S. patanwala marg.	10.88
22	Construction temp. office for C.S. at Byculla	2.45
23	Additions and alterations and extension to K.E.M. Hospital, Parel	82.88
24	Additions and alterations to O.P.D. at L.T.M.G. Hospital, Sion	39.41
25	Construction of Reay Road, Maternity Home	10.51
26	Waterproofing treatment to the terraces of Municipal building in City	35.65
27	Waterproofing to the terraces of Municipal building in G S and G N Wards	7.70
28	Waterproofing treatment to the basement of C.S. market	18.10
29	Waterproofing treatment to sanitary blocks in A to D and F S Wards	8.50
30	Construction of Welfare Centre at G.T.B. Hospital	8.70
31	Construction of diaphragm wall etc. at Chandanwadi Cemetery	21.79
32	Repairs to Gateway of India	4.15
33	Construction of Temp. shed over municipal head office, annex. building	1.33
34	Water proofing treatment to sanitary block of various medical Hosp in city..	19.79
35	Renovation of existing lavatory block in G.S.M. College, K.E.M. Hospital	9.43
36	Waterproofing treatment to the terraces of municipal school buildiffg at Murari Ghag Marg	1.87
	Total	6,60.21
(W.S.)		
1	Construction of Elec. cremetorium at Hindu cemetery, Oshiwara, Jogeshwari	57.19
2	Construction of School building at Jawahar Nagar , Khar	13.06
3	Covering Asphaltng Pathways, walkways at terrace and providing T. W. windows at Bhagwati Hospital, Borivali	5.63
4	Construction of school building at Gandhi gram Road, Juhu	34.84
5	Proposed construction of Maternity Home at Squatters colony, Jogeshwari	26.91
6	Proposed additional floor over school building at Petit compound waterfield Road, Bandra	11.03
7	Providing waterproofing treatment to the terraces at existing municipal building in various wards	43.59
8	Manufacturing and erection of A B C D type of R.C.C. marble mosaic chairs in various municipal gardens	9.47
9	Proposed extension to the school building at C.S. No. 370, Nehru Road, Vakola, Santacruz (East)	18.80

Sr. No.	Name of the work	Expenditure in lack backed
10	Superstructure for proposed market at Turner Road, Bandra	32.77
11	Construction of upgraded dispensary at Hanuman Nagar, Kandivali (East) ..	1.74
12	Pile foundation for General Hospital at Sidharth Nagar, Goregaon (West) ..	63.30
13	Construction of school building at Yari Road, Versova, Andheri ..	56.95
14	Pile foundation for Welfare Centre at M. G. Road, Vile Parle	00.84
	Total ..	3,76.12
(E.S.)		
1	Construction of school building Parsiwadi, Ghatkopar (West)	48.04
2	Waterproofing treatment to the terraces of municipal buildings in E.S. ..	7.91
3	Development of playground at children aid society, Mankhurd	5.03
	Total ..	60.98

'B, Works In Progress

Serial No.	Name of the work	Estimated Cost.	Expenditure incurred upto 31-3-1984.
(a) Housing (City)			
1	Construction of T/s. at Walpakhadi Mayaji Rathod Road ..	69.81	51.47
2	Construction of dispensary and staff quarters at Banganga Malbarhill	30.64	7.69
3	Construction of Gymnasium T/s. at plot No. 1096 B TPS-IV Mahim	17.33	4.49
4	Construction of T/s. at Sanaswadi, Mazgaon division ..	14.21	5.84
5	Construction of T/s. at Peru Chawl, Lalbaug	41.59	11.16
6	Construction of transit T/s. in City	42.55	10.12
	Total ..	2,16.13	90.77
(W. S.)			
Nil.			
(E. S.)			
	Construction of multi-storeyed building in compound of 664 tenements at park site colony, Vikhroli (West) ..	46.01	8.00
	Total ..	46.01	8.00

(b) Other than Housing (City)

Serial No.	Name of the work	Estimated Cost.	Expenditure upto 31-3-1984 in lacs.
1	Improvement of Dharavi Hindu Cemetery	45.80	25.37
2	Construction of school building at Jogalekar Wadi, Sion, Hill Fort	1,33.35	76.51
3	Construction of additional floor over municipal school building at Manmala Tank Road, Mahim	29.66	13.43
4	Extension to Eye Hospital, Kamathipura	90.21	55.45
5	Construction of Municipal market at Elphinston Marg	90.18	62.66

Serial No.	Name of the work	Estimated Cost.	Expenditure upto 31-3-1984 in lacs.
6	Waterproofing treatment to the building No. 1, 2, 3 and 3-A L. T. M. G. Hospital—		
	(i) Terrace	27.53	18.33
	(ii) Basement	66.32	38.99
7	Expansion of Municipal Printing Press at Carnac Bridge ..	65.10	32.78
8	Construction of school building at Sindhi Lane, 'C' Ward ..	32.34	13.24
9	Construction of Municipal Market at Parel Village ..	25.55	9.92
10	Construction of School building at Sitaram Mill Lane, Parel	86.08	55.91
11	Repairs to E. N. T. Hospital	39.14	11.37
12	Construction of Cement godown (Superstructure) at C. S. Byculla	1,08.21	14.42
13	Construction of Memonwada fire brigade station ..	57.46	19.02
14	Reconstruction of Bhuleshwar Market	19.77	..
15	Construction of Orthopaedic Centre at K.E.M. Hospital ..	14,58.30	4,85.06
16	Stabilising the hill behind Sea Glimpses Sty. Worli ..	53.73	35.09
17	Proposed various works in K. E. M. Hospital	98.63	70.38
18	Construction of electric crematorium at Shivaji Park Cemetery	19.79	0.47
19	Pile foundation for Colaba market	4.43	1.57
20	Repairs to roof and extensive repair to M. H. O. old. and new building	37.38	0.67
21	Construction of 20 shops at Jobanputra compound ..	3.50	1.02
22	Pile foundation for school building at Bawla Compound ..	4.45	0.39
23	Waterproofing treatment and guniting to municipal school building at Prabhadevi	5.99	..
24	Construction of temporary cement godown below Wadala fly over bridge	5.33	2.93
25	Sealing of expansion of joints at Wadala Fly Over Bridge ..	00.85	..
26	Construction of Transport garage at Dr. E. Mozes Road. Worli	79.89	45.69
27	Construction Babu genu market Dockyard Road.	30.09	8.94
28	Waterproofing treatment to sanitary block of municipal building in G/S, G/N, F/S Wards	53.71	7.70
	(W. S.)	2772.77	1107.31
1	Construction of centenary hospital at Kandivali	3,39.73	1,30.70
2	Construction of Maternity Home and dispensary at Andheri (East)	42.09 (in R.E.)	19.60
3	Construction of compound wall and quarters for watchmen at municipal vacant land in H, K, P and R Wards ..	54.47	52.84
4	Construction of additional floor over school building at Santacruz (East)	19.45 (R.E.)	15.07
5	Proposed construction of school building at Vakola pipe line, Santacruz (East)	1,14.16	47.80

Serial No.	Name of the work	Estimated Cost.	Expenditure upto 31-3-1984 in lakhs.
6	Proposed construction of Training Centre at Borivali (East)	2,16.60 (in R.E.)	1,51.55
7	Construction of 'H/E' Ward office building at Santacruz (East)	19.70	10.46
8	Proposed Maternity home and Health Centre and quarters at Kasturba Cross Road No.2 Borivali.	102.35	20.80
9	Construction of Fire Brigade station at Malvani Marve Road, Malad	1,91.42	70.56
10	Extension to School building at Marol Andheri (East)	39.63	32.92
11	Completing incomplete work at fire brigade station at Marol Maroshi Road, Andheri (East)	1,29.40	73.06
12	Proposed additional floor over the school building at Saraswati baug, Jogeshwari	3.75	3.45
13	Superstructure for school building at Gundavali, Andheri (East)	77.10	39.89
14	Proposed construction of Gymnasium and Library at Tare Marg, Dahisar	17.00	8.96
15	Proposed construction of Hindu Cemetery at Madh. Malad (West)	70.20	43.05
16	Proposed dispensary, Maternity Home and staff quarters at Bhardawadi, Andheri (West)	1,14.03	56.06
17	Construction of dispensary, office building, quarters at P.N. 321 T.P.S. II, Nehru Road, Vile Parle (East)	59.00 (in R.E.)	35.06
18	Proposed construction of multi storeyed hospital at Bhabha hospital, Bandra (West)	3,88.86	1,58.46
19	Proposed cascade and fountain at Chatrapati Rajaram Maharaj Udyan, Jogeshwari	7.78	7.00
20	Construction of superstructure of school building at D. N. Nagar, Andheri (West)	73.94	23.95
21	Proposed sports complex at the junction of Jai Prakash Road Veera Desai Road, Andheri (West)	9,31.99	90.71
22	Proposed construction of school building on plot between Cama Road and Pali Gram Road, Andheri (West)	30.48	12.49
23	Construction of A. C. Plant, Generator room, receiving station for centenary hospital at S. V. Road, Kandivali	34.28	23.82
24	Additional and alterations to the General hospital and maternity home at Santacruz (East)	61.00	7.35
25	Development of cemetery at Daulat Nagar, Borivali (East)	53.17	5.54
26	Waterproofing treatment to the Sanitary block of municipal building in P and R Ward.	29.67	16.09
27	Waterproofing treatment to the sanitary block at municipal building in H and K Ward	30.45	10.41
	Total	32,50.67	11,99.63

Serial No.	Name of the work	Estimated Cost.	Expenditure booked upto 31-3-1984 in lacs.
	(E. S.)		
1	Construction of centenary hospital at Govandi	2,55.74	94.36
2	Construction of school building at Poddar compound, Ghatkopar	1,14.39	59.71
3	Additional and alteration to centenary hospital at Govandi ..	6.74	1.01
4	Proposed additional two floors over centralised ambulance service building at Mulund.	1,59.27	39.93
5	Providing compound wall and amenities for cemetery Ward No. 134, Tagore Nagar, Vikhroli	46.61	14.19
6	Construction of three additional floors and lift block at Bhabha hospital, Kurla	89.40	22.87
7	Development of garden at M. P. Road, Mulund (East) ..	37.84	21.36
8	Construction of swimming pool at Chembur	2,16.94	63.67
9	Development of Karia Estate at Bhandup (West) for proposed Ward Office building	29.69	12.40
10	Construction of transport garage at Vikhroli (East) ..	1,90.00	76.46
11	Construction of Sports Complex at Sonar Bangla, Mulund (West)	5,23.16	3,22.54
12	Construction of school building at Passpoli village, Powai Garden	85.91	18.88
13	Construction of proposed market at Tagore Nagar, Vikhroli (East)	37.61	6.95
14	Centralised overhead tank at suction tank for 396-300 tenements at Sambhaji Nagar, Deonar	62.94	7.94
15	Providing waterproofing treatment to sanitary blocks of Municipal buildings in E.S.	25.94	8.22
16	Construction of school building on C.S. No. 423A at Mouje Mohili Village, Kurla	1,04.34	21.92
17	Construction of stage cum welfare centre at Labour Camp Chembur	36.09	4.73
18	Construction of building for A. C. plant generator room and receiving station for general hospital at Govandi (including compound wall)	35.41	6.30
19	Proposed development of playground in Kannamwar Nagar. M. H. B. Colony, Vikhrol	7.76	1.08
20	Major repairs to the existing school building at Tagore Nagar, Vikhroli	22.50	12.41
21	Proposed cemetery at Barve Nagar, Ghatkopar (West) ..	34.72	11.23
22	Proposed construction of school building at Tirandaz village, Powai	75.88	27.04
23	Proposed additional floors over the existing school building at Naval Dockyard Colony, Kanjur Marg	12.82	9.95
24	Construction of two additional sheds at Deonar Abattoir ..	66.12	2.81
25	Construction of cemetery near Park site colony, Vikhroli (West)	43.80	1.50
26	Pile foundation for construction of hospital cum maternity home at Kannamwar nagar, Vikhroli	78.09	26.16
27	Construction of Weigh Bridge at L. B. S. Marg, Mulund (West) and E. E. Highway Check Naka, Mulund	2.98	0.70
	Total ..	24,03.57	8,96.32

APPENDIX No. 2.

Statement showing details of repairs to roads and foot-paths carried out by Assistant Engineer Asphalt departmentally.

Serial No.	Mode of Repairs	Area in Mts.	Amount in laks
			Rs.
1	Asphalt Roads repaired with Binder Grit Coat, Surface Chip cost etc.	97,926	39.40
2	Potholes repaired with Premix	15,909	3.24
		1,13,835	42.64

APPENDIX No. 3.

Detailed report of total out put of Municipal Foundry.

Serial No.	Type of Castings	Quantity	Weight in Kg.	Rate	Per	Amount
				Rs.		Rs.
1	C. I. Manhole frames and Covers Complete ..	100	24400	1000	Each	1,00,000
2	Rectangular Manhole frames & Covers (914×457) mm... ..	261	63945	1050	Each	2,74,050
3	Rectangular Manhole Frames & covers (914×610 mm.) ..	187	59840	1150	Each	2,15,050
4	Rect. manhole covers ..	17	3740	700	Kg.	0,11,900
5	C.I. Machinable Castings ..	Lot	40245	10	Kg.	4,02,450
6	Manhole Covers 560 M.M... ..	50	7500	680	Kg.	0,34,000
7	Brass Castings	Lot	4294	45	Kg.	1,93,230
8	Alluminium Castings ..	Lot	136	30	Kg.	4,080
9	White Metal Bearing	8	..	300	Kg.	2,400
				Total	..	12,37,160

APPENDIX No. 4.

Statement showing the details of asphalt plant production.

				Main Plant.	Pegson Plant
				K.G.	K.G.
Binder	...	...	...	...	...
Surface	...	...	...	35,46,420	...
Chip coat	...	...	...	3,17,600	32,43,800
Grit coat	...	...	...	..	...
Premix 1"	...	...	...	..	1,19,450
Premix 1/2"	...	...	...	11,10,890	46,54,160
				49,74,910	80,17,410

APPENDIX No. 5.

Statement showing the details of Works carried out by Electrical and Design Section (City and Suburbs).

Serial No.	Description	Estimates Prepared		Amount Rs.		Contracts Awarded		Amount Rs.	
		City	Subs.	City	Subs.	City	Subs.	City	Subs.
1	Schools.	...	1 3	2,42,000	7,23,000	...	4	...	4,20,600
2	Housing.	...	2 6	3,90,000	13,64,367	...	...	...	...
3	Medical Institutions, Nurses House, Health Centre.	...	5 5	16,50,115	43,99,205	2	3	4,80,000	2,96,400
4	Markets.	...	.. 1	---	2,00,000	..	...	...	---
5	Offices.	...	3 3	2,58,093	1,97,825	1	1	86,500	23,750
6	Lifts.	...	.. 1	...	7,18,000	..	1	..	6,88,373
7	Interroom	...	1 3	55,968	2,50,194	1	3	51,778.00	2,10,794
8	Slums.	...	...	...	...	..	...	...	...
9	Miscellaneous.	...	6 7	15,13,000	20,73,000	2	1	1,99,515	13,01,200
Total:		...	18 29	41,09,176	99,55,591	6	13	8,17,793	29,41,117

APPENDIX No. 6.

Statement showing the works carried out by Road Branch (City and Suburbs) during the year.

Serial No.	Particulars	Completed works.				Works in Progress.				
		Nos.		Actual cost Rs. in lakhs,		Nos.		Estimated cost Rs. in lakhs.		
		City.	Subs.	City.	Subs.	City.	Subs.	City.	Subs.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
				Rs. in lacs	Rs. in lacs			Rs.	Rs.	
1	Road Resurfacing in asphalt Concrete.	5	5	173.91	263.28	5	3	835.38	238.31	
2	Road Resurfacing cement in concrete	3	3	21.88	52.83	3	4	212.50	196.17	
3	Construction of new Rds.	1	9	42.73	186.76	1	7	179.79	269.77	
4	Road widening	...	3	20	29.63	533.46	...	20	...	1,233.33
5	Any other works (a) Road works	..	4	22	70.63	258.93	1	14	43.43	304.40
6	S. W. Drains	...	3	6	11.43	36.57	3	1	102.26	1.83
7	Nallas	3	..	10.98	...	3	...	36.76
Total		...	19	68	350.21	1,342.72	13	52	1,373.36	2,280.57

APPENDIX No. 7

Statement showing the details of works carried out by Air-Conditions & Refrigeration Section (City and Suburbs)

Serial No.	Name of Proposal.	Estimates prepared.		Works Contract awarded				Works completed.				Works in progress						
		City		Suburbs.		City		Suburbs		City		Suburbs		City		Suburbs		
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
Loan Works																		
1	Central Plants.	...	2	39,79,193.00	2	88,41,350.00	...	...	1	5,91,250.00	...	...	1	5,91,250.00	...	...	...
2	Packaged type (Water Cooled) Units	...	4	21,93,022.00	3	21,03,350.00	2	9,44,075.00	1	2,97,500.00	1	2,97,500.00	2	9,44,075.00
3	Window model Air-Conditioners.	...	2	1,25,834.00	8	6,21,670.00	4	1,47,623.00	3	1,73,046.00	2	6,33,511.00	5	4,48,624.00	2	84,272.00
4	Mortuaries	...	1	6,47,000.00	..	...	...	...	...	...	...	...	...	...	...	...	...
5	Roof Insulation, Boxing Ducting False Ceiling and Acoustic Treatment etc.	...	1	9,30,054.00	2	2,94,390.00	1	11,250.00	1	19,500.00	1	11,250.00	1	2,74,890.00
6	Cooling Towers	...	...	...	...	...	...	1	97,000.00	...	...	...	...	...	...	...	...
Total Rs.	...	10	78,75,103.00	5	1,09,44,700.00	12	18,60,135.00	8	11,44,623.00	4	1,92,546.00	5	15,33,511.00	8	16,67,589.00	2	84,272.00	
Revenue Works																		
1	Window Air Conditioners	...	5	2,35,291.00	...	..	3	77,683.00	1	...	3	77,683.00	1	...	...	...	...
Total Rs.	...	5	2,35,291.00	...	...	3	77,683.00	1	...	3	77,683.00	...	...	...	...	...	...

APPENDIX No. 8

Electrification of providing electrically driven water pumping sets of etc.

Serial No.	Description of the work	Works Completed	Actual Expenditure	Works in progress	Expenditure up to 31-3-1984
			Rs.		Rs.
1	<i>Schools—</i>				
	City	1	26,035.00	2	2,38,930.00
	Western Suburbs	2	2,20,000.00	3	2,70,000.00
	Eastern Suburbs	8	8,50,304.00	9	2,53,872.00
2	<i>Ward Offices—</i>				
	City	3	1,35,345.00	..	1,35,345.00
	Western Suburbs .. ..	..	..	..	..
	Eastern Suburbs .. ..	..	..	..	..
3	<i>Hospital & Dispensary & Maternity Home—</i>				
	City	7	5,14,198.00	1	5,14,198.00
	Western Suburbs	4	30,99,647.00	9	1,63,207.00
	Eastern Suburbs .. ..	..	..	5	31,70,000.00
4	<i>Markets—</i>				
	City .. ..	..	..	1	2,23,000.00
	Western Suburbs .. ..	..	..	3	1,07,023.00
	Eastern Suburbs	1	80,000.00	1	..
5	<i>Housing —</i>				
	City	5	3,41,868.00	1	3,41,868.00
	Western Suburbs .. ..	..	..	1	1,014.00
	Eastern Suburbs .. ..	..	..	1	..
6	<i>Garages —</i>				
	City .. ..	..	..	..	..
	Western Suburbs .. ..	..	..	..	..
	Eastern Suburbs .. ..	..	..	..	..
7	<i>Welfare Centre—</i>				
	City	4	1,46,812.00	..	1,46,812.00
	Western Suburbs	3	2,69,928.00	1	..
	Eastern Suburbs .. ..	..	..	3	50,000.00
8	<i>Lifts—</i>				
	City .. ..	..	..	..	..
	Western Suburbs .. ..	..	..	4	6,36,824.00
	Eastern Suburbs	3	4,26,000.00	..	..
9	<i>Cemeteries—</i>				
	City .. ..	..	..	..	..
	Western Suburbs	1	17,68,514.00	2	..
	Eastern Suburbs .. ..	..	..	1	..
10	<i>Fire Brigade —</i>				
	City .. ..	..	..	..	..
	Western Suburbs .. ..	..	..	2	9,37,830.00
	Eastern Suburbs .. ..	..	..	..	..
11	<i>Drama Theatre—</i>				
	City .. ..	..	..	..	..
	Western Suburbs .. ..	..	..	..	..
	Eastern Suburbs .. ..	..	..	..	..
12	<i>Swimming Pool—</i>				
	City .. ..	..	..	..	..
	Western Suburbs .. ..	..	..	1	..
	Eastern Suburbs .. ..	..	..	2	16,96,114.00
13	<i>Misc. Works Air-Conditioning Electrification in Slums P.S.C.'s etc.).</i>				
	City	2	76,000.00	..	76,000.00
	Western Suburbs .. ..	..	..	2	..
	Eastern Suburbs	22	5,85,000.00	..	..
	Total: ..	66	85,39,651.00	56	87,62,037.00

APPENDIX No. 9

Statement showing the road construction work completed and those in progress
'A' Works Completed

Serial No.	Name of the work	Expenditure (Rs. in Lakhs)
CITY		
I—Road Resurfacing in Asphalt concrete—		
1	Resurfacing of certain roads in the city in A. C. Group—VI	19.75
2	Spot repairs to road and improving major corridors in city A and B Wards	37.76
3	Spot repairs to road and improving major corridors in city C and D Wards	34.11
4	Spot repair to road and improving major corridors in city E, F/S and F/North Wards	44.60
5	Spot repairs to road and improving major corridors in city G/S and G/North Wards	37.69
	Total ..	1,73.91
SUBURBS		
1	Concreting of internal roads and parkings places and providing S. W. Drains, Compound Walls for Octroi entries on East side of E. E. Highway at Mulund	21.58
2	Resurfacing of Chembur Mankhurd Link Road	1,40.07
	Total ..	1,61.65
II—Construction of New Roads—		
CITY		
1	Construction of proposed 18.30 Mts. wide road from proposed T. T. to E. E. Highway at Wadala, Anik Village	42.73
	Total ..	42.73
SUBURBS		
1	Construction of 18 M.T. wide D. P. Road in Asphalt macadam parallel to E. E. Highway from pestamsagar colony to junction of Ghatkopar Andheri Link Road	42.96
2	Construction of 18 M. wide D. P. Road off S. G. Barve Marg near Thakkar Bappa Colony giving access to the proposed bus depot of M.S.R.T. Corporation at S. No. 14, Kurla (East)	7.51
3	Extension of Nahur Village Road and P. K. Road upto Mulund Goregaon Link Road and concreting links between these two extensions at Mulund (West)	10.06
4	Construction of 14 M. wide D. P. Road in asphalt macadam from Ghatkopar Municipal School to Sewri Ghatkopar Link Road and providing S. W. Drains at Chembur	1.29
	Total ..	61.82
III—Road Widening—		
CITY		
1	Widening remaining portion of Barkatali Durga Marg	10.36
2	Adding set-back lands in A, B, C, & D Wards 1982-83	10.37
3	Adding set-back lands in E, F, and G Wards 1982-83.	8.90
	Total ..	29.63
SUBURBS		
1	Widening and improving Adi Shankaracharya Marg (Powai Road) from L. B. S. Marg to Saki Vihar Road, Part-I L. B. S. Marg junction (Electric pole No. P60 near Powai Lake)	31.27
2	Widening and improving Adi Shankaracharya Marg (Powai Road) L. B. S. Marg to Saki Vihar Road Part-II from Electric Pole No. P60 to Saki Vihar Road	30.54
3	Widening and improving S. G. Barve Marg (C. S. T. Road) in asphalt macadam from L. B. S. Marg to Mithi River including providing underground S. W. Drains, Kurla (West), 'L' Ward	22.55

Serial No.	Name of the work	Expenditure (Rs. in Lakhs)
4	Widening and improving 18 M. wide D. P. Road known as Ganesh Mandir Road Vikhroli in asphalt macadam and providing S. W. Drains at Tagore Nagar Vikhroli (East)	8.83
5	Widening and improving the carriageway of the remaining portion of the main Road at Tagore Nagar Vikhroli (East)	10.55
6	Widening and improving the existing D. P. Road in S. No. 14 leading to proposed sub-way under Refinery Rly Track for the access to the proposed bus depot of M. S. R. T. Corporation at S. No. 14 Kurla (East)	7.88
7	Widening and improving Sant Narsi Mehta Marg (M. A. Mehta Estate Marg) from junction of L. B. Marg upto the culvert near pipe lines and providing underground S. W. Drains at Ghatkopar (West) 'N' Ward	8.36
8	Widening and improving Ghatkopar Mahul Road from Refinery Rly. Crossing to Mahul and widening and improving corridors Road	48.60
9	Construction of 18.30 M. wide D. P. Road parallel to Bhandup Rly. line to Bhandup Village Bhandup (East)	32.06
10	Widening and resurfacing of road from L. B. S. Marg upto Nehru Nagar Kanjur Village	30.86
11	Widening and improving L. B. S. Marg in 'S' Ward Limits Part-I portion between Powai Road and Subhash Road	24.83
12	Widening and improving L. B. S. Marg in 'S' Ward Limit and providing S. W. Drains from Subhash Road and Lake Road Part-III	30.09
	Total ..	286.42

IV.—Any other Works—

CITY

1	Repairs pot holes in A, B, C and D Wards	6.95
2	Repairs pot holes in E, F/S and F/N Wards	9.41
3	Repairs pot holes in G/S and G/N Wards	31.97
4	Repairs to badspots on Senapati Bapat Marg	22.30
	Total ..	70.63

SUBURBS

1	Construction of road set-back any where in L and M Wards limits in asphalt macadam including open S. W. Drains and Culverts	19.44
2	Improvement of certain roads in Tilak Nagar Pestem Sagar and other roads in Chembur	42.29
3	Adding set-back to roads completing the incompleting links and major roads in T Ward	2.08
4	Adding set-back to roads completing the incompleting links and major roads in 'M' Ward	8.13
	Total ..	71.94

V.—S. W. Drains—

CITY

1	P/L 400 mm. dia. S. W. D. in Wadi Bunder area	
2	S. W. by pass drain and out fall at Haji Ali	11.17
3	S. W. D. at Dumayer Road	0.26
	Total ..	11.43

SUBURBS

1	Construction of U. C. R. masonry S. W. Drains and cross drains in Tilak Nagar, Part-II	13.97
2	Construction of U. C. R. Masonery S. W. Drains at Lokhande Marg, Chembur M Ward	3.50
3	Construction of U. C. R. masonry S. W. Drains and cross drains in Nehru Nagar, Kurla (East) Part-I	6.13
4	Construction of pucca S. W. drains and cross drain in Nehru Nagar, Kurla, Part-II	5.23
5	Construction of major storm water drain in Kannamwar Nagar, Vikhroli (East) Part-I	5.87
6	Construction of U. C. R. masonry S. W. Drain and cross drain in Nehru Nagar Kurla (East), Part-III	1.88
	Total ..	36.58

VI.—Nallas—

CITY
NIL.

Serial No.	Name of the work	Expenditure Rs. in Lakhs.
SUBURBS		
1	Widening of nalla from Kurla Car Shed to creek passing through Central Rly. Quarters, Kurla	0.75
2	Training of nalla at S. No. 14 of Chembur from culvert below pipe line upto Nehru Nagar Nalla, Kurla (East), L-Ward	4.82
3	Providing retaining wall from culvert near Check Naka along City limit nalla at Mulund (West)	5.33
Total ..		10.90
VII.—Road resurfacing in Cement Concrete—		
CITY		
1	Reconstruction of Sion Road in C.C. between Maheshwari Udyan and Road No. 19, Part-I	Nil
2	Between M. L. Chowk and Road No. 19	13.97
3	Between M. L. Chowk and E. E. Highway	7.91
Total ..		21.88
SUBURBS.		
1	Concreting the major roads, junctions, across V. N. Purav Marg and construction of open S. W. Drains at Chembur M-Ward, (junction a No. I, Panjarapole Naka, Off Road junction at V. N. Purav Marg, Sewree Wadala Ghatkopar Road and Dr. Choithram Gidwani Marg).	35.75
Total ..		35.75
' B ' WORKS IN PROGRESS—		

Serial No.	Name of the work	Estimates Cost Rs. in Lakhs.	Expenditure Rs. in Lakhs.
I.—Road resurfacing in Asphalt Concrete—			
CITY			
1	Part—II	2,10.00	49.57
2	Part—III	2,08.00	13.59
3	Part—VI	1,50.17	23.27
4	Part—IX	1,58.30	33.56
5	Part—XIV	1,08.91	27.73
Total ..		8,35.38	1,47.72
SUBURBS			
NIL.			
II.—Road resurfacing with cement concrete—			
CITY			
1	Constructing of central lanes and junction of major roads in C. C. in City	94.17	22.96
2	Strengthening and reconstruction of P. D'mello Road from Carnac Bunder to Wadi Bunder Road Road in C. C. Part-II	59.53	4.04
3	Strengthening and reconstruction of P. D'Mello Road from Carnac Bunder to Sholapur Street Part-I	58.80	..
Total ..		2 12.50	27.00
SUBURBS			
1	Concreting of major roads junctions across V. N. Purav Marg and construction of Open S. W. Drain at Chembur M-Ward (Junction No. 2 Panvel Naka off road junction of V. N. Purav Marg and Panvel Road)	35.22	20.89
2	Construction of Central lanes and junctions of major roads in cement concrete at Eastern Suburbs	68.32	40.45
Total ..		103.54	61.34

III.—Construction of New Roads—

CITY

1	Extension of Senapati Bapat Marg with S. W. Double barrel drain from its junction with Meri Road to City limits ..	1 79.79	59.75
Total ..		179.79	59.75

SUBURBS.

1	Construction of 13 M. D. P. Road from Seweri Wadala Ghatkopar Road and 30 M. wide D. P. Road from V. N. Purav Marg for approaches to Govandi General Hospital at Govandi, M-Ward	15.06	3.83
2	Construction of loop road at Deonar Dumping Ground ..	25.16	21.82
3	Extension of main road at Deonar Dumping Ground ..	37.09	18.08
4	Construction of 8 M. wide road out of 17 M., 14 M. and 10 M. wide layout roads in asphalt macadam at Deonar Ancillary Industries layout	22.96	3.74
Total ..		1,00.27	47.47

IV.—Road Widening—

CITY

NIL.

SUBURBS

1	Widening and improving Shradhanand Road from junction of M. G. Road upto culvert near Hanuman Mandir and providing underground S. W. Drains, Ghatkopar (West) ..	19.44	9.99
2	Widening and improving Ghatkopar Industrial Estate Road off L. B. S. Marg with asphalt macadam and providing underground S. W. Drain for the portion near junction of L. B. S. Marg, Ghatkopar (West), N-Ward	26.85	20.08
3	Widening and improving Ghatkopar Mahul Road from Refinery Rly. Crossing to Mahul Village Chembur ..	1 40.68	1,01.81
4	Widening and improving L. B. S. Marg from Vikhroli Station to Nari Seva Sadan Road (N-Ward limit)	67.40	30.02
5	(i) Widening and improving V. N. Purav Marg from its junction with Mankhurd Rly. Station Road upto Chitta Camp at Trombay and resurfacing of Mankhurd Station Road	98.52	68.04
	(ii) Improving Choithram Gidwani Road and Dr. Soares Road.		
6	Widening and improving L. B. S. Marg from Sitaram Bhairu Lane to L-Ward Limit. Part-II Kurla	1 59.25	49.77
7	Widening and improving L. B. S. Marg from the junction of Sion to Sitaram Bhairu Lane, Part-I, Kurla	1,34.37	57.25
8	Widening and improving of Goregaon Mulund Link Road between L. B. S. Marg and Rly. Bridge	37.83	22.46
9	Widening and improving 18.30 M. wide D. P. Road at Rifle Range from Sarvodaya Hospital at L. B. S. Marg to meet the road known as Ghatkopar Industrial Estate Road ..	37.32	13.34
Total ..		7 21.66	3 72.76

V.—Any other works—

CITY			
1	Maintenance of F.O.B.S., R.O.B.S. and Subways in M.C.G.B.	43.43	5.54
Total ..		43.43	5.54
SUBURBS			
1	Adding set-back to roads completing the incomplete links and major roads in N-Ward	17.28	1.95
2	Do. Do. L-Ward	17.58	6.84
3	Spot repairs to roads and improving bus routes and major corridors in 'T' Ward	38.64	23.80
4	Do. L and M-Ward	41.00	20.25
5	Do. N and S Wards	39.54	16.75
6	Improvements of certain roads in L-Ward	19.24	..
7	Do. M-Ward	19.94	..
8	Do. N-Ward	18.64	..
9	Do. S-Ward	18.94	..
10.	Do. T-Ward	18.91	7.15
Total ..		2,49.71	76.74

VI.—S. W. Drains—

CITY			
1	Providing and laying underground S. W. Drain at N. M. Joshi Marg and Hook Mill Lane	69.14	14.13
2	Training of drainage channel from Textile Mill onwards	24.99	6.58
3	Providing and laying 450 mm. dia. R. C. pipe (NP2 class) S. W. D. along No. 33H between Wadala Station Road and Tilak Road in F/South-Ward	8.13	..
Total ..		102.26	20.71
SUBURBS			
1	Construction of Box type S. W. Drain from Liberty Oil Mill to Netaji Palkar Marg (Nari Seva Sadan Road) along L. B. S. Marg L-Ward Kurla	1.83	..
Total ..		1.83	..

VII.—Nallas—

CITY			
NIL.			
SUBURBS			
1	Training of Nall in Slum Colonies in Park Site Colony at Vikhroli (West) N-Ward	7.73	..
2	Training of Nall from Rly. Culvert No. 25/2 in Datar Colony Bhandup (East) S-Ward	27.16	7.42
3	Training of untrained portion of Nalla and remodelling of culvert of Gamdevi Temple road (extension) on upstream of trained Gamdevi Road Nalla Bhandup (West)	1.87	1.11
Total ..		36.76	8.53

APPENDIX-10
AIR QUALITY MONITORING PROGRAMME
For the year 1983-84

Station No.	Monitoring Station Code	Locational Address.	Date of Installation	No. of Sampling days in the year.	No. of Samples collected & Analysed.						Total.
					SO ₂	NO _x	NH ₃	SPM	Sulphation Rate.	S.P.M. Parameters	
1	2	3	4	5	6	7	8	9	10	11	12
I.—HEALTH SURVEY.											
1	Tilak Nagar	Tilak Nagar Municipal Dispensary, Chembur.	11-1-1978	28	333	332	..	28	..	19	712
2	Anik Nagar.	Anik Nagar. Municipal School Behind Shiv Temple, Anik Nagar.	10-12-1977	19	159	200	..	19	..	11	429
3	Khar.	Municipal Veterinary Dispensary, S. V. Road, Khar, Bombay-400 052.	4-1-1978	71	935	950	..	71	..	38	1994
4	Santacruz	Gazadar Park, Municipal School, North Avenue Road, Santacruz (West), Bombay-400 054.	15-1-1978	42	448	469	..	42	..	17	976
5	Parel.	A—Building No. RB/11/255 Railway Colony Central Railway, Parel Bombay-12. B—Narey Park Municipal School, Parel, Bombay-12.	3-1-1978 10-5-1982	69 ...	781 ...	791 ...	.. ...	69 ...	.. ...	35 ...	1676 ...
Total :				229	2696	2742	..	229	..	120	5787
II. ROUTINE SURVEY											
1	Colaba.	Transport House, B. E. S. T. Shahid Bhagat Singh Road Colaba, Bombay-400 039.	11-6-80	62	731	736	..	62	..	23	1,552
2	Babula Tank	Imamwada Municipal Secondary School, Imamwada Road, Bombay-400 009.	14-4-79	64	723	728	..	64	..	23	1,538
3	D. C. Road.	D. C. No. II Municipal Primary U. P. School, Drainage Channel Road Worli, Bombay-400 018.	2-5-80	64	734	745	368	64	..	20	1,931
4	Dadar	Woolen Mill Lane Municipal School, Dadar, Bombay 16.	15-4-79	64	725	735	..	64	..	21	15,45
5	Chembur Naka	Municipal U. P. School, Chembur Naka, Bombay-71.	2-9-78	120	1369	1367	..	120	..	37	2,893
6	Saki Naka	Marol Municipal Urdu School, Saki Naka, Bombay-72.	17-4-79	55	624	635	..	55	..	22	1,336
7	Pant Nagar, Ghatkopar.	Centenary year Primary School, Pant Nagar, Ghatkopar (East) Bombay-400 075.	1-9-78	61	715	721	..	61	..	20	1,517
8	Mulund.	Municipal Secondary School, P. Kheraji Road, Bombay-80.	4-6-80	57	664	667	..	57	..	19	1,407
9	Borivli.	Municipal Primary School, Sodawala Lane, Borivli, Bombay-400 092.	22-8-78	34	324	332	..	34	..	14	704
10	Goregaon	Municipal U. P. School	15-6-80	59	644	662	..	59	..	23	1,388
Total				640	7,253	7,328	368	640	..	222	15,811
III B.M.R.D.A. PROJECT											
1	Mahul.	Staff Training Centre Bharat Refineries, Mahul, Bombay-74.	4-6-80	59	640	640	..	59	..	23	1,362
2	Mankhurd.	Municipal School, Mankhurd.	5-10-80	63	705	713	..	63	..	31	1,512
3	Serwree.	Lal Bahadur Nautical Engg. College M. S. R. Road, Bombay	7-5-80	64	732	738	368	64	..	22	1,924
Total				186	2,077	2,091	368	186	..	76	4,798
IV R.C.F. SPONSORED (A.A.Q.M.)											
1	Maravali.	Maravali Municipal School Ghatkopar Mahul Marg, Bombay-74.	2-5-80	60	694	691	684	60	..	27	2,156
2	Sion Koliwada	Karmaveer Dada Saheb Gaikwad Municipal U. P. School, Koliwada, Bombay-400 (37).	2-6-80	72	859	865	428	72	..	23	22,47
Total				132	1,553	1,556	1112	132	..	50	4,413

APPENDIX No. 11

Air Monitoring Programme

Micro-Meteorological Data

Sr. No.	Meteo. Station Code	Number of observations in the year 1982-83			Remarks
		Wind Data	Rain Data	Around Station Ambient Air Temp. Data	
1	Marvali. ... F1	636	15		(1) Wind Data includes both wind speed and direction.
2	Sion-Koliwada. .. F2	1706	7		(2) Rain Data gives number of Samples collected. Each Sample was analysed for Seven para-meters.
3	Mahul. B1	761	10		
4	Mankhurd. .. B2	1282	21		(3) *This Data is collected at a separate weather Station at Sahakar Nagar, Near Chembur Naka.
5	Sewree. .. B3	1498	11		
6	Babula Tank. .. R2	...	12		
7	Dadar. ... R4	1367	14		(4) Ambient Air-Temp. Data includes Mini Maxi, Dry and Wet Bulb Temperature.
8	Ghatkopar. .. R7	..	11	608	
9	Mulund. ... R8	1286	11	726	
10	Borivali. .. R9	633	6	732	
11	Goregaon. .. R10	962	12	..	
12	Santacruz. .. H4	392	6	622	
13	Colaba. .. R1	..	14	..	
14	D. C. Road. .. R3	..	11	..	
15	Chembur Naka. .. R5	..	25	*732	
16	Marol Naka. ... R6	..	15		
17	Tilak-Nagar. .. H1	..	4		
18	Anik Nagar. .. H2	..	1		
19	Khar. .. H3	..	6		
20	Parel. .. H5	..	9		
Grand Total ..		10523	221	3420	

APPENDIX No. 12

(CIVIL DEFENCE CELL—VIGILANCE WORK)

YEAR—1983/84

1.	Inspection of works	..	..	..	..	133 Nos.
2.	Total cost of works inspected	..	..	..	..	Rs. 230 Lakhs
3.	Technical audit of proposals	..	..	..	..	170
4.	Liasion work.					
	(a) Registration of Contractors	..	..	..	..	3
	(b) Tender Committee meetings	..	..	..	..	34
Total ..						37

ESTATES AND LAND MANAGEMENT DEPARTMENT

Administration Report for the year 1983-84.

(1) Money spent	..	..	..	..	..	..	Rs.	5,14,37,741.82
(2) Money earned—								
(i) Rent from tenants and lessees	..	..	..	..	..	..	Rs.	2,86,62,598.00
(ii) Other	..	..	..	..	..	..	Rs.	1,66,86,618.00

A—Ex-Trust Section.

There were no changes in Schedules X, Y, and Z Lands. The changes effected in the other Ex-Trust Estates are shown in Statement 'A'. The undeveloped land at present with the Corporation is approximately 494 acres which covers the land at Dharavi Scheme 56.

B—Municipal Section.

8 plots in Municipal Scheme have been disposed off in the year 1983-84 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
1980-81	5	7850.28	Rs. 30,64,534.00
1981-82	6	8,044.12	10,25,052.40
1982-83	5	18,335.09	61,15,052.25

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 :—

(2) The recoveries of rents of the dormitory at Palton Road amounted to Rs. 80,658.61 during the year.

DISPOSAL OF LANDS

(A) Long Leases

8 plots were let out during the year. The total area of the land thus disposed off admeasures 15,543.50 square meters valued at Rs. 27,04,309.25. The total No. of plots disposed off upto the end of 1983 were 4,417 with an area of 54,65,011.82 square metres and valued at Rs. 16,40,16,346.90 yielding an annual ground rent to Rs. 76,15,934.69. The ground rent is charged at 10 per cent. on the value of land. The rate for calculating ground rent revised from 7 per cent. to 10 per cent. as per C. R. No. 546 of 23-3-1976. The commutation is stopped from 1st July 1962.

The progress of the disposal of Trust lands on permanent basis is shown as under :—

Particulars	No. of Plots	Area in Sq. Mts.	Capital value	Annual Rent
		Rs.	Rs.	Rs.
Plots leased on Rental basis.	..			
Corresponding figures :—				
1980-81	5	7,850.28	30,64,534	67,16,314.00
1981-82	6	8,044.12	10,25,052	41,11,295.00
1982-83	5	18,335.09	61,15,052	74,39,115.00

The amount received by way of commutation of ground rent and premium etc., during the year was Rs. 52,07,074.00.

As can be seen in the Statement 'J' vide Item No. 8 that percentage of 59.46 arrears could be attributed mostly to the usual tendency on the part of the prospective lessees to withhold pay 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. 36,563 pertaining to 'B' Budget Statement 'D' can be classified as under :—

Ground Rent	Rs.
(1) With-held by lessees to the extent of their Security Deposit	1,46,749.00
(2) Of plots occupied by Government of Maharashtra and Defence Department	10,28,114.00
(3) Of properties vested in the Deputy Custodian of Evacuee Property ..	805.00
(4) Of plots against which disputes have been raised and cases are under consideration.	9,53,163.00
(5) Due from Western and Central Railways	12,06,47.00
(6) Due from Municipal Department	1,47,114.00

(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 4,210 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 recovery was Rs. 11,72,473 and Rs. 97,0,330 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. 49,29,699.00 won 31st March 1983 as against Rs. 41,20,341.87.

The concessional rent includes the rents of rooms let out to the peons of the different departments in lieu of house rent allowance and rent free quarters allotted to 193 sweepers on this department.

The collection on account of rents from the permanent chawls during the year amount to Rs. 45,41,679.59 deducting therefrom the charges on account of outgoing amounting to Rs. 1,79,29,450 net loss comes to Rs. 1,39,28,949.71.

The capital expenditure incurred on the chawls including the value of the land is Rs. 246 lacks. 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 Account for the chawls shows a loss of about Rs. 38,57,987.

33(b) *Semi Permanent Sheds* : The gross demand in respect of 6,099 rooms in the Semi Permanent Sheds including Labour Camps for the year was Rs. 37,97,972.74. The net demand after excluding the concessional rent and vacancies was Rs. 37,90,978.29 which was equivalent to 82.35 per cent. of the total recoverable rent including arrears of Rs. 36,01,080.42 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. 1,09,48,802.01 for Chawl and Rs. 3,60,1080.42 for Semi permanent Sheds, total outgoing being 59.57 per cent. and 67.26 per cent. respectively.

Amounts transferred to Rent Equalisation Fund and Amenity Fund were Rs. 1,78,178 and Rs. 59,591 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. 41,06,691.13 against the demand of Rs. 1,03,79,661.44 inclusive of arrears.

Acquired Properties : At the commencement of the year there were 449 acquired or surrendered buildings in charge of this department containing 64,79 tenancies. At the close of the year, corresponding figures were 449 building and 6,479 tenements.

The gross demand of 6479 tenements in the acquired and re-entered buildings was Rs. 21,77,284. 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. 19,78,892 which was equal to per cent. of the total recoverable amount including arrears of Rs. 35,31,149 for the previous year.

Summary of revenue : The total collection of revenue from leasehold plots and rent and ground rent from Building, Vacant land tenancies and slum clearance properties are shown in Statement 'D'.

Requisitioned Buildings : The management and collection of rent in respect of 17 properties having 386 tenancies requisitioned from private landlords for A. R. P. purposes were continued to be looked after by this department. The demand inclusive of arrears in respect of these tenancies for the year was Rs. 1,72,361 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. 4,82,270.00 and Rs. 11,194.25 respectively. The arrears due for collection at the close of the year stood at Rs. 4,71,076.

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'.

"A" Statement showing the total area of Developed Land.

Change in		As at the beginning of 1983-84	As at the end of 1983-84
Developed Land		Sq. Meters in thousands.	Sq. Meters in thousands.
Area permanently leased	... ..	6441.60	6441.60
Area of trust chawls sites	... ..	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 in rupees (in thousands)		13,711.45	13,711.45

"B" Statement of permissions granted in respect of leased plots for 1983-84.

Description	No. of proposals	Premium	Ground rent
		Rs.	Rs.
Motor Garages	... 23	278.00	12,103.10 P.A.
Additional floors	... 74	...	3,67,367.26 P.A.
Change of users and Misc. proposals such as encroachments, Basement floors, Canopies, temporary structures, Gallery Projections, Lofts and Mezzanine floors etc.	... 34	1,770.15	51,294.36 P.A.
Transfer fees	... ..	...	14,000.00

STATEMENT 'C'

Number of plots disposed of in the different Municipal lands in the City during 1983-84.

Particulars of Land	Plot No.	Area in Sq. Mts.	Capital Value	Ground Rent per annum
			Rs.	Rs.
Ex/Trust				
(1) A Plot of land of Sch. 60, 188. Naigaum Estate to Baudha Vikas Mandal.	of Naigau	633.50	2,37,558.75	23,756.00
(2) Connought Road Estate Plot No. 4 and 5 to Jayshree Construction Co.	4 and 5 ..	163.50	98,590.50	98,59.00
(3) A plot of land of Mahim T.P.S. IV, Chavani Galli, Prabhadevi to Charak, Co-operative Housing Society Ltd.	1097-B	1 580.02	51,17,671.00 5,17,671.00	51,767.00
Total ..	3	2,377.02	8,53,820.25	85,382.00
Municipal				
(1) Cama Industrial Estate, Goregaon (East).	1 and 2	4,795.94	2,29,444.00	16,061.00
(2) Cama Industrial Estate, Goregaon (East).	1-B	422.18	1,79,427.00	17,943.00
3 Cama Industrial Estate, Goregaon (East).	1-A	1,254.16	2,19,478.00	21,948.00
4 Deonar Ancillary Industries	25 and 26	1,928.90	3,51,060.00	35,106.00
5 Deonar Ancillary Industries	29 to 33 (5 Plots).	4,765.30	8,67,285.00	Re. 1 per annum vide C.R. No. 18 of 2-5-1983
Total—Municipal ..	5	13,166.48	18,46,694.00	91,059.00
Total—Municipal plus Ex.Trust ..		15,544.50	27,00,514.25	1,76,441.00

'D' Summary of Revenue of Properties for the year 1983-84.

(000 omitted)

Particulars.	Properties under 'B' Budget			Property of 'B' Budget under			Properties under 'A' Budget		
	Per- manent	Tempo- rary.	Total.	Slum Clearance.			Per- manent	Tempo- rary	Total.
				City	Suburbs	Total			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Demand for the years.	71,67	99,60	171,27	31,18	13,84	45,02	141	80,34	81,75
Arrears.	93,48	100,88	194,36	32,79	24,82	57,61	301	84,15	86,16
Totals	165,15	200,48	365,63	63,97	38,66	102,63	5753	7032	127,85
Amount collected.	55,53	95,42	150,95	28,82	12,24	...	..	..	..
Variation in Demand for the previous year.	+ 971	+ 397	+ 1368	+137	+ 10	+ 147	+ 98	+ 296	+ 394
Carried out during the year.	..	- 694	- 694	-32	-	- 32	..	-758	-758
Amount written off	..	-	-	..	..	..	..	..	..
Arrears as on 1-4-82	84,93	118,10	203,03	22,31	15,49	37,80	62,20	60,69	122,89
Arrears as on 1-4-83	91,06	112,82	203,88	24,65	19,49	44,14	75,70	73,39	149,09
Arrears as on 1-4-84	93,48	100,87	194,35	32,79	24,82	57,61	301	84,15	87,16

"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				3				
1	Palton Road Chawl No. 4	1956	1	8	20	34.30	50.43	
2	Haines Road Transit Camp	1957	19	137+9	...	26.98	105.85	
3	Tank Pahadi Transit Camp	1958	27	254	...	26.98	32.05	
4	Dharavi	1959	5	120	...	31.95	40.08	
5	Shopping Block at Haines Road	1960	1	...	4	...	22.69	63.20
6	Do. Do. Milk Street	1962	1	...	17	16.48	73.64	92.05
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	...	Varying from 35.15 to 43.94	
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	Papty 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 Blk Bapty Rd.	1964	1	22	...	34.24	26.98	66.67
19	Do. Bapty Rd. 'A' Block	1964	1	26	11	28.81		87.25
						34.21		87.25
20	Kamathipura M.I. Area stable street	1965	1	41	11	34.26		89.91
								96.28
21	60 t. Falkland Road	1966	1	60	...			
	8th X Lane	1966	3	60	...	41.61	25.98	194.81
22	60 t. Hains Road	1966	6	240	...	42.38	69.45	73.49
23	Rawli Camp	1967	5	132	8	42.68		61.00
24	Rawli Camp near Koliwada level crossing Opp. S. S. S. Nagar	1969	1	32	10	42.68	61.00	147.00
							shops 153.00	shops
26	Kamathipura M.I. area stable street	1970	1	45	12	56.44	63.00	145.00
							rooms	75.00
							149.00	
27	30 Tenements Peru chawl	1970	1	30	...	39.39		77.82
	Lalbaug Gas Work Lane	1971	3	60	...	40.77		81.70
28	60 t. Rawli Camp	1972	2	44	...	...		100.06
29	Rawli camp BKE 3 & A. 7	1973	...	230	...	...	105.00	252.00
30	230 T and 20 shops Rowli Camp.	1961	16	396	...	31.51	52.00	57.00
31	Vikroli	1963	12	348	...	31.51	57.00	55.50
32	Do.	1964	17	217	...	34.55	55.50	64.12
33	Kherwadi Bandra	1965	108	1004	...	...	...	...
34	Tenements along Eastern Express Highway Ghatkopar	1966	3	60	...	...	...	...
35	60 t. at Bombay Agra Road Ghatkopar	1966	20	320	...	34.55		64.12
36	320 t. at Santacruz	1973	10	200	...	...	...	...
37	200 t. at Match Factory Kurla...	1974	...	40	...	55.00		117.00
38	40 t. at Sion Village	1972	...	108	12	39.92		170.73
39	Rawli Camp	1976	...	20	...	..
40	20 Tenements at Peru Chawl							

1	Locality	Standard rent	Concessional Standard rent p.m.
		Rs.	Rs.
1	180 Tenements Match Factory Lane Kurla.	.. 160.00	80.00
2	120 Tenements Sion Bhandarwada, Sion.	Rs. 162.07 Sq. F. T. 122.00	50.00
3	40 Tenements Sion Bhandarwada.	.. Rs. 247Sq. ft.	55.00
4	60 Tenements, Arga Nagar.	.. 117.00	
5	230 Tenements Tardeo	.. Rs. 143.10	65.00
	Rawli Camp 'C' Sector	.. 105.00	45.00
	and 20 Shops	.. 252.00	
6	64 Tenements and 16 shops at Bane Compound, Tardeo.	Rs. 122 Shop 195 Shop cum resident.	
7	50 Tenements Sahakar Nagar, Wadala.	.. 163.00	70.00
8	40 Tenements Chowney Gully, Prabhadevi.	.. 117.00	55.00
9	105 Tenements and 13 Shops, Worli.	189.00	65.00
10	324 Tenements Powell's Land, Kandivali.	.. 115.25 for 160 sq. ft. 136.25 for 190 sq. ft.	50.00 for 160 sq. ft.
11	100 Tenements Match Factory Lane, Kurla.	.. 199.72	60 for 190 sq. ft. 100
12	288 Tenements at Dharavi Two Bldg., consisting 78 Tenements.	266.40	95.00
13	582 Tenements Deonar.	.. 79.98	40.00
14	40 Tenements M. P. Mill Compound.	.. 345.00	0.37 per sq. ft. of the carpet.
15	300 Tenements at Deonar.	142.11	70.00
16	405 Tenements at Ghatla.	47.50	25.00
17	40 Tenements D. G. Mahajani. path	.. 451.00	160.00
18	396 Tenements Deonar.	86.40	40.00
19	50 Tenements Bhoiwada	.. 213.00	80.00
20	130 tenements Barve Nagar.	.. 180.00	90.00
21	48 Tenements Manmala Tank Road.	236.00	55.00

" F " Statement of percentages of outgoings in respect of Chawls and S. P. Sheds.

Particulars	Permanent Chawls		Permanent ground floors rooms	
	1982-82	1983-84	1982-83	1983-84
Sanitary Staff and Pumpmen ...	19.92	30.51	479.0	62.26
Cost of Management and Establishment ...	7.50	7.50	7.50	7.50
Municipal Rates and Taxes ...	19.11	26.55	51.44	45.33
Repairs and Maintenance including lighting, vacancies. ...	59.57	53.86	9.10	67.26
Total ...	96.10	118.42	115.94	182.35

* 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 for 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 461 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	6091.21	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	31-32 } Agripada C Chawl	.. 1903	5226.65	6	37,506	2,79,182	3,16,688	14,599
4	38-40 } 45-46 } 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	4,98,562	6,80,029	37,349
	29 30 & 31 } 50 Imamwada B Chawl	1905	793.49	13.8	12,811	19,368	32,179	1,483
7	33-37 Mandvi-Koliwada Cnawls	1908	3485.83	75	3,12,675	2,76,040	5,88,715	27,140
	52 Workmens Cottages, 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 } Suparibaug Chawls	.. 1910	6756.77	48	36,364	3,39,878	3,76,242	17,345
13	52-57, Chinch Bunder Chawls	.. 1913	7103.76	26.66(d)	2,26,560(a)	6,79,622	6,06,182	27,945
14	86-95 Cottage Blocks (Old)	.. 1920	2324.44	10	27,800	36,069	63,869	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	73-78 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	10698.28	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	19,933
27	2 Paltan Road Chawls	.. 1952	9551.85	50	92,777	3,48,544	4,41,321	28,024
28	A-J Sewri Chawls	.. 1956	5554.41	25	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	Sion Chawl	.. 1958	927.27	4	44,360	1,40,842	1,85,202	7,997
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	8, 2,806	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						
40	20 Tenements at Peru Chawl	.. 1976			20			

Number of tenements, full letting value.

Gross annual rent.	Annual profit + or loss— i.e. 86.02 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 tenements including Verandah.	Rent per room as on 31-3-1962 inclusive of increase in taxes.	Economic rent Exclusive 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	8 14 0	276	1-B, 5-D
66,734	24,198	0.66	658 (Verhandahl)	4	110	10.40	7 10 0	926	& 50-E.
1,20,722	7,235	2.33	258	4	142	7.75	8 1 0	414	20-E
4,07,453	17,505	1.26	433	4	177	7.49	8 12 0	633	18-E,
						9.36	10 6 0	846	1-F
			857	4	135	8.95	9-13. 10-1	30	2-D, 9-E
1,26,723	31,102	1.09	30	4	160	11.93	10-5	222	2-B, 4-C & 5-D
1,13,386	20,223	1.17	278	4	176	8.31	Rs. 9-13	..	..
2,083	47	0.76	15	1	120	9.96	10-1, 10-5	..	..
20,204	3,444	1.23	144	4	148	8.31	17 5 0	..	308-E-26-G
21,813	3,946	1.16	144	4	160	9.96	12 7 0	..	..
10,443	3,365	0.74	64	4	136	10.83	9 10 0	..	..
65,736	13,335	1.07	481	4	176	12.98	9 0 0	..	..
1,00,350	21,824	1.01	405	2	176	9.36	14 2 0	479	..
5,382	3,728	0.51	14	1	275	7.76	9 4 0	372	1-B,
55,440	48,530	0.67	325	4	176	9.30	13 6 0	..	1-F,
23,898	12,648	0.66	134	4	175	8.36	38 0 0	..	33-C
48,346	31,852	0.54	246	4	175	10.09	13 12 0	320	4-E
			(b) 160	4	175	28.80	15 13 0	131	1-F
28,864	17,186	0.59	36	4	562	9.62	13 8 0	241	3-E
9,717	19,560	0.19	72	3	338	10.66	Rs. 55.60 & 65	..	6-D
4,698	7,089	2.46	10	3	325	12.82	Rs. 35,33,32	..	..
2,74,566	2,49,845	0.51	1,549	3	176	9.36	35	..	..
2,09,478	1,43,933	0.52	1,385	176	176	10.69	Rs. 16-5	1,513	..
82,110	19,915	1.28	234	3	3	12.83	18-6-, 17-14	1,263	20-C7-D & 9 E,
1,53,598	78,495	0.68	..	..	176	9.36	Rs. 15-6.	227	36-C, 4-D
1,02,375	56,162	0.64	821	4	176	11.24	15-14	792	S 2-E
						11.24	13 8 0	..	7-E
						9.46	Rs. 15.9.	..	6-D, 22-E, & 1-F.
						10.69	16-1, 16-9.	387	1-B,
						12.38	17-1, 17-9.	125	I-C, I-D. & 1-
86,943	42,651	0.70	391	4	176	26.74	Rs. 15-7.	76	24-E
69,798	23,862	0.63	156	4	328	10.38	32,33,35	194	-7G
44,576	26,391	0.38	156	4	180	11.09	R. 15-7	..	4-E, 6-G
10,343	7,366	0.34	86	4	180	26.03	Rs. 16, 16-8	..	..
72,091	28,076	0.57	194	2	180	27.06	Rs. 35	120	..
1,60,831	49,602	0.42	120	4	190	22.91	Rs. 36-10	24	..
88,620	53,276	0.39	24	4	237	24.20	Rs. 4	..	..
89,663	76,043	0.35	112	4	273	21.86	..	..	..
1 13,145	..	..	272	4	..	29.43	..	..	..
			144	4	..	50.33	..	..	..
			160	4	..	31.50	..	..	..
			60	4	..	47.00	..	..	..
			224	4	..	64.00	..	..	..
			60	4	..	66.50	..	..	..
			150	4	..	67.50	..	..	..
			1040	4	..	07.00	..	..	..
			50	..	..	..	40	40	10E
			582	..	..	..	..	578	3B, IC
			36	..	..	..	..	..	..

"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	Elphinstone 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.	1981	1982	1983	1984
(1) Number of Tenancies	4398	4404	4409	44.17
(2) Balance of arrears in lacs of rupees....	80.86	88.19	95.55	107.19
(3) Demand for the year in lacs of rupees....	69.19	69.03	70.63	73.08
(4) Total demand including arrears in lacs of rupees.	147.06	157.23	166.18	180.27
(5) Amount collected in lacs of rupees.	60.61	63.85	69.68	57.53
(6) Percentage of collection to the demand including arrears.	41.21	40.61	41.93	31.91
(7) Percentage of collection to the demand for the year.	87.60	92.50	98.65	78.72
(8) Percentage of arrears to amount for collection.	54.98	56.09	57.50	59.46

LICENCE DEPARTMENT

HIGH LIGHTS :

(1) Expenditure on the Department :—

(a) Establishment	.. Rs. 1,36,88,605
(b) Others	.. Rs. 3,09,459

(2) Revenue earned by the Department ; Rs. 5,23,46,655.

Section of B.M.C. Act.	No. of licences issued and amount realised					
	No. of Licences issued.			Revenue realised (in Rs.)		
	Div. I	Div. II	Div. III	Div. I	Div. II	Div. III
313(1) (b) (c) ..	42,278	2,084	1,176	57,22,064	2,27,364	1,22,439
313(A)/313B ..	9,821	2,281	1,266	42,03,138	13,46,704	5,18,224
328/328A ..	4,831	1,176	855	75,65,666	12,87,456	5,11,461
393/394/412A ..	63,246	30,920	13,263	1,34,79,568	82,33,404	52,20,924

(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
		5,445	6,614	1,650	16,43,573	6,95,673	2,47,025

Functions and Activities: The Licence Department functions in four wings viz., (1) Licence Section (2) Encroachment Section (3) Stall Board and other projection Section and (4) Advertisement Section and their activities are as under :—

(1) **Licence Section :** This section issues licences under Section 394 of Bombay Municipal Corporation Act, for Storages and Trades which are either inflammable, combustible, corrosive, poisonous etc., and for trades or processes which have a nuisance value from public health point of view. Permits under Section 393 of Bombay Municipal Corporation Act, are also issued for controlling steam whistles and steam trumpets etc. A revised Schedule 'M' of 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 will cause harrassment to the traders. However, this department has already started implementing the Schedule. 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 Section :** This wing controls hawkers and squatters either by issuing licences at suitable places or by removing unauthorised hawkers from roads and footpaths. The total amount recovered by way of redemption and demurrage charges is Rs. 38,13,980.00 for 1983-84 as against Rs. 34,32,254.00 for 1982-83.

(b) Action against unauthorised hawkers were taken by arranging special mass raids with the help of Task Force provided by the Commissioner of Police during the year and it has not desired effect.

(c) The Corporation at the recommendation of Hawkers Committee have accorded their sanction to regulate the hawkers by charging them Rs. 3 and Re. 1 per male and per female hawker respectively per day on the roads where the hawkers will not cause obstructions to the traffic. Accordingly, the scheme has been implemented in Suburbs for experimental purpose. As there were some complications, Corporation have decided to recover uniform fee of Rs. 3 per hawkers per day. An amount of Rs. 35,366 has been recovered towards such hawkers fees upto 31-3-1984. Removal action is taken against the hawkers doing business on the roads prohibited for hawking.

(3) **Stall Board Section :** This wing deals with issue of permissions for various types of projections viz. Stall Board, Weather Frame, Over Hanging Awning, Show-cases, Cupboard, 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. to implement the provision of Section 328-328A. of the B. M. C. Act.

(5) **Mass Raid Section :** There are five Mass Raid Sections for detecting unauthorised, inflammable and explosive storages. As a result of their detections of unauthorised storages and trades and infringement in case of licensed premises, 4625 court cases have been launched in addition to for failure of security deposit of Rs. 1,71,250.

(4) Appliances and Equipment :

During the year, the Brigade commissioned two Rescue Tenders (Model RW 1). The wide-ranging equipment comprising of various types of cutting, breaking, lifting, spreading and lighting equipment as also the superstructure were imported from Austria and mounted on Indian chassi. The units were formally commissioned by Shri D. M. Sukthankar, Municipal Commissioner on 9th January 1984.

The Brigade had also purchased and commissioned two multi-purpose motor trucks to facilitate the transport of trainees, transfer of personnel and carrying of Stores and equipment.

The details of appliances and equipment of the Brigade are furnished in Appendix 'I'.

(5) Emergency Calls :

The Brigade responded to and rendered services wherever necessary at a total of 6161 incidents, the split up of which is given below.

Fires	3409*	House Collapse Calls :	517
Rescue Service Calls	606	Other Service Calls :	1506
False Alarms	123	Total :	6161

(* Includes 1 call to outside the Municipal Limits)

The details of serious fires where estimated damages is above Rs. 1 Lac in each case, are furnished in Appendix 'II'.

(6) Casualties :

The number of casualties in fires and other incidents is tabulated below :—

Type of Incident	Dead	Injured	Total
Fires	142	361	503
House Collapse Calls	20	185	205
Rescue Service Calls	154	195	349
Other Service Calls	314	570	884
Total	630	1311	1941

Note : Out of 142 deaths in fires, 85 were suicide cases. Out of 154 deaths in Rescue Service Calls, 121 were due to drowning.

(7) Casualties among Brigade personnel :

Fireman Harischandra Daji Bhogle and Fireman Chandrakant Baburao Shinde died while fighting a serious fire at Isthal Building, New Cutlery Market, Janjekar Street on 12th April 1983.

A total of 7 other Brigade personnel sustained injuries while rendering services at different emergencies.

(8) Fire Loss :

The property losses due to fire were estimated at Rs. 5,61,59,930 including the damage of Rs. 5,05,43,930 to insured properties and goods. Total property involved in fires and saved by the Brigade was estimated at Rs. 100,40,83,450.

(9) Water supplies and sources :

The approximate quantity of water used for extinguishing fire was 98,57,921 litres out of which 95,79,219 litres was drawn from Municipal Mains and rest from sea, wells, ponds and private sources.

The total No. of hydrants in the City and Suburbs is 10744

The water sources available for fire fighting purposes are listed under Appendix 'V'.

(10) Ambulance Service :

The ambulance service, comprising of 12 ambulances, continued to attend to 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	: 1099
Maternity Calls	: 210
Free Poor Cases	: Nil.
Hire Calls	: 1198
Free for Brigade staff	: 4
Total	: 2511

In all, 1358 persons were removed in ambulances and first-aid to the injured was rendered on 679 occasions. The total receipts during the year on account of Ambulance hire charges aggregated to Rs. 21,834.

(11) Fire Prevention Cases :

The details of the number of fire prevention cases received, their classification etc. are furnished below.

	Total cases received	Total cases disposed of
1982-83	9959	9158
1983-84.. .. .	9416	8698

Types of fire prevnetion cases received during the year 1983-84.

Sr. No.	Type of cases	No. of Cases
(1)	Licence, Factory and Health Department of Municipal Corporation.	7100
(2)	Public entertainment and building.	621
(3)	Commissioner of Police, Inspector of Explosive and Controller of Drugs.	364
(4)	Complaints	1039
(5)	Multi-storeyed buildings.	292
	Total ..	9,416

(12) Deputation of Officers for Advanced training :

During the year under report, Sarvashri S. V. Sulakhe and S. B. Bhambure, Station Officers were deputed to the National Fire Service College, Nagpur, for undergoing Divisional Officer's Course.

(13) Other Activities :

(a) Shri V. B. Nikam, Chief Fire Officer has been appointed/nominated as

(i) Member of the Fire Research Panel at Fire Research Station of Central Building Research Institute Rurkee.

(ii) Member on the Enquiry Committee appointed by the Bombay Port Trust for enquiring into the serious fire at Hazardous Goods Warehouse, Haji Bunder on 24th December-1983.

(iii) Member on the Enquiry Committee appointed by the P. & T. Department, Ministry of Communications to enquire into the serious fire that occurred at Malbar Hill Telephone Ex₃ change on 30th December 1982.

(iv) Member on High Level Committee appointed by Ministry of Home Affairs to re-organise the Fire Services in the country.

(b) The Annual Fire Drill Competitions :

The Annual Fire Drill Competitions could not be held due to unavoidable circumstances.

(c) Annual Sports :

The annual tournaments in various games and athletic events were conducted and the sports-meet was held as usual during the year. All Fire Stations showed great enthusiasm by sending teams and competitors. The concluding function on 15th January 1984 was presided over by Shri D M Sukthankar Municipal Commissioner and the prizes to winners were given away at the hands of Smt Shubhada D Sukthankar.

(d) Fire Services Week :

As usual the annual events of Fire Services Week (8th to 13th April 1983) and the Fire Services Day (14th April 1983) were observed by the Brigade in close coordinating with the other Fire Services in Greater Bombay and the active co-operation of All India Fire Equipment Manufacturers' Association.

No of fire fighting and rescue demonstrations were arranged in different localities of Greater Bombay. Lectures on fire prevention to various groups of people were delivered. Posters to (various groups of people were delivered) Posters and hand pamphlets were freely distributed and slides were exhibited in Cinema Theatres. Discussions and talks were broadcast on All India Radio and Doordarshan. All these activities were aimed at increasing the awareness of fire hazards and to promote the knowledge of fire prevention among the citizens.

(e) Republic Day & Maharashtra Day :

The Brigade participated in the ceremonial parades organised on Republic Day and Maharashtra Day as usual alongwith the Police Home Guards Civil Defence Defence Departments etc.

The platoon of the Brigade was adjudged the Best among the participating Units in the Republic Day Parade.

(f) Awards :

(i) The award of Presidents Fire Service Medal for Gallantry to the following Officers and men of the Brigade was announced on the Independence Day (15th August 1983). The award was announced for the conspicuous gallantry extraordinary courage and devotion to duty displayed by them during the fire fighting and rescue operation at a serious fire at Israel Mohalla Masjid Bunder on 21st April 1983.

- (1) Shri Vasant Baburao Nikam Chief Fire Officer.
- (2) Shri Durgadas Jagannath Kulkarni Divisional Officer.
- (3) Shri Ganesh Narayan Sawant Asstt. Divisional Officer.
- (4) Shri Padmakar Pandurang Sawant Asstt. Station Officer.
- (5) Shri Suresh Ramchandra Kadam Fireman.
- (6) Shri Shridhar Harbarao Shirke, Fireman.

(ii) The award of Fire Service Medal for Meritorious service was announced to the following Officers and men of the Brigade.

- (1) Shri S. S. Amolik. Divisional Officer on 15th August 1983.
- (2) Shri Ganpat Nilkanth Shetgiri, Dy. Chief Fire Officer on 26th January 1984.
- (3) Shri Narayan Deoji Tawde, Sub. Officer on 26th January 1984.
- (4) Shri Babu Shankar Gaikwad, Driver Operator on 26th January 1984.

(g) Scholarship :

As usual scholarships to the children of the staff members of the Brigade were distributed during Ganpati Festival 1983. The scholarships amounts ranging between Rs. 15 and Rs. 75 per child were awarded in Standard IV to Std. XII. The amount of scholarships was accrued as interest on the Grain Stores Fund.

(h) Training :

(i) At the request of the Standing Fire Advisory Council and the Ministry of Home Affairs, a special training course in High Rise Buildings was conducted by Brigade at Bombay for a week. Senior Officers from major Fire Services in the country attended the course in the month of January 1984.

(ii) One senior Fire Officer from the Sikkim Fire Service was accepted for practical attachment course for 10 weeks approximately (February 1984) at the request of the Government of Sikkim.

(iii) 20 Sub-Officers' Course trainees from the National Fire Service College, were accepted for practical attachment training for about 8 weeks (May-June 1983).

(iv) In-service training for Driver Operators Course and Leading Fireman's Course was imparted to 43 and 41 respectively.

(v) 73 recruit Firemen and 4 recruit Officers were also imparted training.

(i) Shri S. S. Amolik, Divisional Officer was deputed to attend the first National Seminar on Fire Detectors and Automatic Fire Alarm System organised at Nagpur in October 1983.

(j) At the request from National Fire Service College, Nagpur, Entrance Examination for admission to the B. E. (Fire Engineering) conducted in August 1983.

APPENDIX 'I'

Statement showing the details of appliances and equipment during the year 1983-84.

Sr. No.	Type of appliances/equipment	Quantity	Remarks
1	Motor Turn Table Ladders :		
	(a) 30 metres extension (T.T.L. 1, T.T.T.L. 4 and DL 30)	3	Units
	(b) 37 metres extension (T.T.L. 3 & DL 37)	3	Do.
	(c) 50 metres extension (DL 50)	1	Unit
2	Hydraulic Platforms		
	(a) 30 metres height	2	Units
	(b) 16 metres height	4	Do.
3	Motor Pumps :		
	(a) With wheeled escape or Angus 464 Ladders	27	Do.
	(b) With extension ladders	35	Do.
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	Do.
6	Control Post Van	1	Do.
7	Water Tankers :		
	(a) Fixed chassis type	4	Units
	(b) Tractor with Trailer type	7	Do.
	(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	Do.
	(c) Portable High Pressure Pumps (400 g. p. m.)	14	Do.
	(d) High Pressure Pump on Trailer (Kirloskar Make)	2	Do.
9	Motor Ambulances	16	Units
10	Breathing Equipment :		
	(a) Compressed Airtype Breathing Apparatus (open circuit)	110	Sets.
	(b) Oxygen type Breathing Apparatus (Closed circuit)	2	Do.
	(c) Gas Masks (Filter type)	42	Do.
	(d) Breathing Air Compressor	1	Unit
	(e) Test Bench for Compressed Air Breathing Apparatus	1	Do.
11	Air Compressor (industrial type) on Trailer for operating Pneumatic Tool	1	Do.
12	Power Cutters (Self-propelled)	5	Nos.
13	Rescue Saw (Self-propelled)	3	Nos.
14	Portable Electric Generators.	2	Do.
15	Automatic Fire Escape (Day's Make)	5	Do.
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.	5430	Metres
	(b) 1 1/2" dia.	1350	Do.
20	Other vehicles :		
	(a) Jeeps	19	Nos.
	(b) Mini Bus	3	Do.
	(c) Cars	2	Do.
	(d) Station Wagon	1	No.
	(e) Staff Van	1	Do.
	(f) Motor Trucks	2	Nos.
	(g) Three Wheeler Tempo	1	No.

Note : Out of the above appliances and equipment the following were purchased during the year 1983-84.

- (a) Rescue Tender (Model RW 1)—2 Units.
- (b) Motor Trucks—2 Units.
- (c) Delivery Hose (RRL Type)—2 3/4 dia. 3330 Metres.

APPENDIX-II

Brief details of Serious Fires (Estimated Damage above Rupees One Lakh) during the year 1983-84

Serial No.	Date and Time	Place	Business	Extinguished by	Description of Damage	Estimated Loss
1	2	3	4	5	6	7
						Rs.
1	12-4-83 1811 hrs.	Ismail Buildign, Plot No. 2/3, New Cutlery Market, Behind Jame Masjid, Janjkar, Street Bombay-3.	Shop of Plastic goods.	Firemn with 8 Jets from 10 motor pumps.	A large stock of mechanical, plastic, toys, plastic goods, rubber goods, bill books, office papers, a large stock of plastic buttons, emmition, jewelleries, a small quantity of plastic buttons, toys, etc. A large stock of plastic flowers official documents, severely damaged by fire, heat, smoke and water. (In all 5 persons were injured and two dead).	1,10,000
2	16-4-83 0718 hrs.	Bellard Estate, Receiving Station, S.V. Marg, Bellard Estate, Bombay-38.	Electric Supplying.	Firemen with 4 pumps, after cutting of Current of power.	Few metres of electric cables, three capacitor, four reactor, control pannel, switch gears, circuit brakers, store articles, etc. Some quantity of transformer oil burnt and paintwork of entire building, plaster of ground floor ceiling, false ceiling, window panes, electric wiring and installation severely damaged by fire, heat, smoke and water.	1,00,000
3	16-4-83 1531 hr.	Dura Chemical Corporation Pvt. Ltd., Shed 11/A, Kurla Industrial Estate, Narayan Nagar, L. B. S. Marg, Ghatkopar (W).	Chemical product.	Firemen with 3 jet from four Motor Pumps.	Chemicals such as manganese, lead and calcium, octoate (about 3,350 kgs.) in large kettles and barrels, one exhaust fan, 4 stainless steel kettles with lids, and 3 barrels, A.C. Sheet (Roof, Ceiling glass panes, stainless steel pressure filter pump, glass flask, electric installations, including 2 gears, electric motors, switches, electric stirrers, electric starters, cables, wiring, etc. were severely damaged by fire, heat, smoke and water. (In all five injured).	1,70,000
4	18-4-83 1738 hrs.	Shree Ganesh Enterprises, Gala No. 17, Ground Floor Bindal Industrial Estate, Andheri-Kurla Road, Andheri (East).	Textile Auxil-laries mfg.	Firemen with 3 lines of four motor pumps.	Drums, containing stock of vinyl acetate, monomers, polyvenyl alcohole, other chemicals, stock of finished goods, softners emulsifer, one compressor, three electric motors, electric installation, 2 storage tanks, wooden loft, files, records, account books, etc. severely damaged by fire, heat, smoke and water. (In all two injured).	3,16,000
5	21-4-83 1033 hrs.	15-B, Swadeshi Mills Estate Tata Road, Opera House, Bombay-4.	Mfg. Auto Bulb.	Firemen by dis - connecting electricity and with the help of 10 jets or 11 M.Ps.	Large stock of packing material, liquified petroleum gas cylinders, Oxy-acetylene cylinders, wooden furniture, machinery, electric wiring, wooden loft, doors, windows, joist, office files and records, tube cutting grinder, an exhaust machine, storage tank with air blower, a stock of finished and unfinished bulbs, wooden boxes, few numbers of L.P. gas cylinders, one camera, one printing machine etc. severely damaged by fire, heat, smoke and water. (In all two dead and five injured).	1,05,000
6	21-4-83 2058 hrs.	Shivji Baridela, Building, 19/23, Israely Mohlla, Yusuf M. Road, Masjid Bunder, Bombay.	Grosery Dry fruits and residence.	Firemen with 19 water jets from 23 motor pumps.	Entire five floored building severely damaged by fire, heat, smoke and water. Household and domestic articles such as goodgrain, utensils and mattresses, ornaments, furniture, cash, garments, electrical fittings, and fans severely damaged by fire, heat, smoke and water. (In all 21 persons died and 8 wore injured).	6,00,000
7	25-4-83 1813 hrs.	Ganpatrao Kadam Marg, Matulya Mills S.B. Marg, Lower Parcl, Bombay-13.	Textiles	Employees with 1 mills hydrant line and by cutting of current.	Large quantity of the high thermic fluid, one boiler, furnace oil, oil pumps, electric fittings and fixtures, A.C. Sheet of the roof, etc. soverely damaged by fire, heat, smoke and water.	2,20,000

1	2	3	4	5	6	7
8	26-4-83 1258 hrs.	Ambassador Hotel, 71, V.N. Road, Churchgate, Bombay.	Eating House as well as lodging.	Firemen with 5 water jets from 8 motor pumps.	A large stock of food articles, vegetables, kitchware, gas, stove, electric mixers, utensils, dry stoffs, geysers, machine ovens, mills boilers, false ceiling, carpets, furniture office records, entire kitchen room, paint work, plaster of ceiling as well as wall, doors, panes, electric wall clocks, wall gans, plastic pots, small wooden cupboards, work table etc. severely damaged by fire, heat, smoke and water.	Rs. 20,50,000
9	16-5-83 2145 hrs.	332/A, B.N.M. Joshi Marg, Near Prakash Talkies.	Paper Industries.	Firemen with 5 small engine lines, of 3 motor pumps.	Large quantity of Waste, papers, bundles, gabs, empty gunny bags, one hand cart, entire roof, windows and doors, severely. Electric installation severely damaged by fire, heat, smoke and water.	2,30,000
10	18-5-83 1540 hrs.	Unique Industrial Estate, V.S. Marg, Bombay Dyeing Co., Prabhadevi, Bombay.	Printing and packaging.	Firemen with two Small lines and 1 big line.	A few wooden furniture, door, electrical installation, Electric panel a few electric motor blower slitting machines, Gravine printing machine, large quantity of printed papers, bundles, unprinted bundles cellophaid, printing small quantity kraft paper and other articles, in small quantity severely damaged by fire, heat, smoke and water. Wooden loft, wooden frame windows, printing work scorched, walls, etc. severely damaged.	1,56,000
11	22-5-83 0219 hrs.	Bharat Pulveriser, Chakala Pulveriser, Kurla, Andheri Road, Andheri (East).	Pulveriser Mills.	Three engine lines of four motor pumps.	Large stock of chemicals in powder form such as calcium silicate precipitated silica glue, idet, C.M. C. Tumol, pesticides such as carbandazim, captan, malathion, mancozeb etc. clays and minerals such as china clay, barytes, cement, etc. electric cables, fixtures, severely, wooden beams and portion of A.C. Sheet roof in a ground floored brick walled A.C. Sheet roof severely damaged by fire, heat, smoke and water.	4,20,000
12	23-5-83 0630 hrs.	11, Thana Street, P. D'Mello Road, Bombay-9	Transporting of goods.	Firemen with 8 water jet from 12 motor pumps.	Large stock of rubber chemicals, C.P. goods, chemicals, in powder form, large stock of crystal menthol, stationery, articles, nylon bales, plastic merial, etc. structure, wooden frame work of the roof, windows, doors, electric installation etc. severely damaged by fire, heat, smoke and water.	12,00,000
13	5-6-1983 0045 hrs.	The Solapur Goods Transport Co., Vasi Panvel Road, Wasinaka.	Transportation.	Firemen with 2 jets from 2 pumps.	Large quantity of stationery articles, cosmetics, cloth bundles, utencils, pharmaceuticals, products, paint drums, part of the lorry severely damaged by fire, heat, smoke and water.	1,25,000
14	7-6-1983 1819 hrs.	Sewree Coal Depot Shed No. 8, Messent Road, Bombay.	Warehouse.	Firemen with 4 lines of 4 motor pumps.	Large quantity of Popy-husk in gunny bags, polythene bags and plastic powder. The roof of the shed was severely damaged by fire, heat, smoke and water.	1,43,000
15	14-6-83 0344 hrs.	Subhedar Ramaji Ambedkar Nagar, Khan Abdul Gafoor Khan Road, Opp. Worli, Dairy, Bombay-18.	Private	Firemen with 8 lines of 8 motor pumps.	More than 200 hutments, construction of bamboo matting, wooden planks, plastic sheets, cloths, household articles, ceiling ancillary, aluminium utensils, etc. severely damaged by fire, heat, smoke and water.	2,92,500
16	17-6-83 0624 hrs.	Messrs. Golden Tobacco Co. Ltd., S.V. Road, Vile Parle (W), Bombay-56.	Mfg. Cigarettes.	Firemen with 2 engine lines and 1 Co. Hydrant line.	Large stock of tobacco in gurny bags, tobacco dust, in collecting bags, exhaust fan, electric motor, electric fittings, etc. severely damaged by fire, heat, smoke and water.	1,86,000

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17	17-6-83 0627 hrs.	142-168, Feriz Building, Chhatrapati Shivaji Maha- raj Marg, near Gateway of India Colaba, Bombay.	Shops	Firemen with 12 engine lines of 10 motor pumps.	2/3 portion of ground floor area, wooden boarding of the ceiling window frames, panes, wooden furniture, kitchen wear, wooden cases, interior decoration, leather and plastic goods, room air con- ditioners, wooden loft, partitions, some portion of the ceiling of the first floor, doors, A/c. machine, paint work glass panels, etc. severely damaged by fire, heat, smoke and water.	2,05,000
18	29-6-83 2017 hrs.	Naik Nagar, L.B.S. Marg, Opp. Sion Railway Stn., Bombay-22.	Mfg. of wooden boxes and various other busin- ness.	Firemen with 17 motor pumps.	Large stock of gunny bags, wooden planks, wooden khokas, waste papers, paper board, card board boxes, wheat in gunny bags, empty glass bottles storages, plastic waste, rugs, number of residential hut- ments and manufacturing units engaged in the manufacturer of wooden khokas, food grains, hardware, cutlery, oil for sewing machines, finished garments, cloths, electric wiring, iron ceiling fans, shop structure, chairs, brick walled timber framed structure, household articles, utensils, metal pressing factory etc. severely four overhead high tension cables were snapped high tension insulators were melted, cables of B.S.E.S. and Telephone Department were also severely damaged by fire, heat, smoke and water.	5,18,300
19	30-6-83 0240 hrs.	Swastik Mill Compound, behind Industrial Estate, G.K. Marg, Lower Parel, Bombay.	Leather works and garment fac- tory.	Firemen with 5 engine lines of 4 motor pumps and cutting of currents	Large stock of readymade gar- ments, leather goods, machinery, loft, electric installation, part of the factory shed, 22 sewing machine, one cutting machine, office record, large quantity of pure silk, fabrics, electric wiring, furniture, other material such as locks, handles, plastic buttons, threads etc. severely damaged by fire, heat, smoke and water.	6,80,000
20	13-7-83 0009 hrs.	Laxmi Building, P.H. Road Fort, Bombay.	Advertising	Firemen with 3 lines of 3 motor pumps.	Wooden furniture, Office Files, printing machine, loose papers, proofing machines, composing tables with types, record books, wooden cabins, art work, adver- tising material, printing work, various designs, equipment in dark room, windows, doors, elec- tric installation etc. severely damaged by fire, heat, smoke and water.	1,00,000
21	30-7-83 0655 hrs.	Aboard "M.V. Cruseder" berth at Shed No. 11, Indira Dock, Bombay.		Firemen with 11 lines (8 lines of 8 motor pumps of Fire Brigade and 3 lines at B.P.T. fire engine).	Sodium hydro sulphite drums (340 Nos.), waste paper bundles (20 Nos.) metal coils of Copper (100 Nos.) sodium alginate (150 drums) petroleum reoins 400 bags, hydraulic fluids 13 packing, diethylene glycol (350 drums) polyster staple fiber bundle (50 Nos.) severely damaged by fire, heat, smoke and water.	3,00,000
22	16-8-83 0350 hrs.	Gulnar Industries, Bajson Industrial Estate, Chakala, Andheri (East), Bombay.	Mfg. plastic moulded arti- cles and print- ing press.	Firemen with 5 engine lines of 4 motor pumps.	Large stock of plastic raw mater- ials, finished goods, machinery, printing paper, furniture, wooden loft, electric installation, lables, cartons, stationery, steel shutter, steel framed, office cabine, steel beams, sheets, finished products, roof, window panes, window framed, semi finished and electric fittings and fixtures, etc. severely damaged by fire, heat, smoke and water.	5,51,000
23	6-9-83 1028 hrs.	Messrs. Gujrat Metal In- dustries, Nari Seva Sadan, Road, Opposite Union Bank, L.B.S. Marg. Ghat- kopar (West).	Metal refinery.	Firemen with 2 motor pumps and by smothering with sand and starvation.	A large quantity of alluminium dross in about 3000 gunny bags (small size), a portion of brick walled, timber framed, A.C. Sheet roof, electric installation, wooden beam severely damaged by fire, heat, smoke and water. (In all one injured).	1,78,000

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						Rs.
24	9-9-83 0638 hrs.	Mukund Iron and Steel Works, Ltd. L.B.S. Marg, Kurla (W), Bombay.	Mfg. of Steel only.	Firemen with 3 motor pumps and by cutting off current.	Four Nos. of conveyor rubber belting length about 550 of 600 mm. wide 1000 mtrs. of electrical cable and same portion of electric motor about 7 Nos. severely damaged by fire, heat, smoke and water.	1,41,000
25	8-10-83 0429 hrs.	Indira Dock Shed No. 12, A, Bombay.	..	Firemen with 12 lines of 16 pumps.	About 800 bags containing PVC resin, wooden frames, paper of about 20 rolls and old rags severely damaged by fire, heat, smoke and water.	8,50,000
26	21-10-83 1203 hrs.	Reti Bunder, Darukhana, Ship Breaking Yard, Mazgaon, Bombay-10.	Dealing in ship breaking	Firemen with 5 lines of 8 pumps, of Fire Brigade & one line of B.P.T.	Large quantity of waste oil engine room, crew members cabin, wooden planks, nylon ropes, paint works, severely damaged by fire, heat, smoke and water. (In all 12 injured and 1 dead).	2,50,000
27	24-10-83 1100 hrs.	95, G.K. Marg, Jalan Dying and Bleaching Mill, Lower Parel, Bombay.	Dyeing and bleaching of cloth.	Firemen with 4 engine lines of 6 motor pumps.	Large stock of cloth in bundles, ten raising machines, few designing rolls and A.C. Sheet roof of raising department, electric installation, ducting of fibers collecting machines and motors electric severely damaged by fire, heat, smoke and water.	1,60,000
28	27-10-83 1816 hrs.	Naval Dry Dock, Lion Gate, S.B. Road, Bombay-1	Defence.	Firemen with 8 jets of 8 motor pumps.	Thermal insulation such as glass wool, thermocol, wooden furniture, wooden planks, aircondition units, electric cable, electric wiring, electric panels, plastic lamination, store articles, main engine block super structure etc. were severely damaged by fire, heat, smoke and water.	1,00,00,000
29	29-10-83 2002 hrs.	Alana, Compound, Opp. Agripada Police Station, Dr. A.N. Marg, Agripada, Bombay-11.	Mfg. electrical fixture & various other trade.	Firemen with 9 engine lines of 11 motor pumps.	3 C.I. Sheet structures housing various industries, motor garages, printing press, furniture, manufacturing shop etc. containing large quantity of electric accessories, office records, typewriters, printing material, steel and wooden furniture, tricycle parts, machinery large quantity of oil, auto parts, paint and paint manufacturing equipment, tyres, rubber material, etc. severely damaged by fire, heat, smoke and water.	6,54,200
30	7-11-83 0129 hrs.	Messrs. New Field Paper Industries Compartment No. 5, Plot No. 1, Marol Co-operative Industrial Estate, Andheri (East), Bombay.	Mfg. Paper Products (gum teaps).	Firemen with two small engine line of motor pump.	Large quantity of paper rolls, gumpaste, polythene liners, machinery, electric wiring and fixtures, loft, furniture in wooden cabins, office records and files, etc. severely damaged by fire, heat, smoke and water.	1,50,000
31	8-11-83 2127 hrs.	Tank Bunder Road, Darukhana, Bombay-10.	..	Firemen with four motor pumps and P. F. S. Firemen with one motor pumps.	Large quantity of furnace oil, electrical instruments, office records, engine room, crew cabins, severely damaged by fire, heat, smoke and water.	1,50,000
32	12-11-83 0354 hrs.	7, Suryodaya Mill Compound, Pt. Madan Mohan Malaviya Marg, Tardeo, Bombay.	Thread Mfg. Co.	Firemen with the help of 8 jets from 11 motor pumps.	Large stock of loose waste cotton, bobbins yarn in bundles, lubricating oil in drums, waste material, carding machine ring frame machine scruteo machine and spinning machine, electric motor, electric installation and structure, wooden framed windows and doors, plaster work of walls and ceiling, window panes severely damaged by fire, heat, smoke and water.	1,13,000
33	24-11-83 0114 hrs.	Bombay Timber Market, Signal Hill Avenue, Reay Road, Bombay-10.	Timber merchants and other various trades.	Firemen with 10 lines of 12 motor pumps.	Large quantity of timber, wooden planks, battons, plywood and hardboard sheets, cutting and saw machines, electric, ground floored sheds, doors, windows, wooden loft, A. C. & G. I. Sheet roof, electric wiring of about two timber galas and a mechanical workshop, steel articles, office records, etc. severely damaged. (In all 1 injured).	5,19,000

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34	24-11-83 1600 hrs.	P.B. Marg, Century Spg. and Mfg. Co. Ltd., Bombay	Textiles	Firemen with 2 Mills hydrant line.	One complete polymerising machine, large quantity of finished and unfinished cloth, electric installation fittings, fixtures severely and A.C. Sheet roofing the structure, doors, window frames etc. severely damaged by fire, heat, smoke and water. (In all 7 persons injured).	2,50,000
35	28-11-83 1154 hrs.	Anand Bhawan, S.G. Marg, and Junction Babu Genu Road, Bombay.	Private.	Firemen with 2 jets of 13 pumps.	Large stock of wooden planks, wooden loft, optical glass, boxes, timber frames, doors, medicines, containing the in boxes and bottles patent medicines, a small stock of study books, two wooden tables ceiling and table fans, wooden loft, cupboard, stock of tea powder in the drums and eatable in the drums, oil pressure stove and primar stove, electric wiring, large stock of kerosene oil, utensils, khokas, paper, machinery, clothes, etc. severely damaged by fire, heat, smoke and water.	1,45,200
36	15-12-83 2249 hrs.	Ethnor Pharmaceuticals, Higgi House, L. B. S. Road, Mulund (West), Bombay.	Pharmaceutical products.	Firemen with two engine lines (small of two motor pumps.	Large stock of raw material, pharmaceutical product under process, dryers electric fixtures, electric installation, false ceiling, glasses of the windows doors severely damaged by fire, heat, smoke and water.	1,30,000
37	16-12-83 1754 hrs.	Messrs. Boxfine Packaging Industries Pvt. Ltd., Block A, Ghatkopar Industrial Estate, Ghatkopar (West), Bombay.	Mfg. card-board boxes and various other trades.	Firemen with 10 motor pumps.	Large stock of corrugated sheets, paper rolls, craft paper reels, finished and semi finished goods, corrugating machine, board cutter, printing machine, stitching machine floating and creasing steel table, office furniture, records, files, one computer machine, 3 air conditioning machines, one refrigerator lathe machine, drill machine, engineering goods, office cabin, wooden loft, electric installation fixtures, steel shutters, windows, doors paint work of windows, doors, A.C. Sheet, roof, etc. severely damaged by fire, heat, smoke and water.	20,59,000
38	17-12-83 0304 hrs.	Messrs. Gool Industries, Virwani Industrial Estate, Western Express Highway, Goregaon (E), Bombay.	Screen printing on glass wares and crockery.	Firemen with 3 engine lines of 3 motor pumps.	Large stock of seramic colours, stock of chemicals, liquid gold, screens, office records, furniture, electrical cables, steel doors, windows, switch boards, controller, dark room, screen printing machine, etc. severely damaged by fire, heat, smoke and water. (In all two injured).	1,68,000
39	19-12-83 1328 hrs.	Shree Shiv Packagings, A/ 45, Nandiyot Industrial Estate, Andheri-Kurla Rd., Sakinaka, Bombay-3.	Mfg. Paper tubes and Plastic goods.	Firemen with 3 engine line of 4 motor pumps.	Large quantity of card board boxes, paper tubes, starw board, machinery, electric wiring, cable, wooden loft, furniture, fixture, small stock of raw material, calcium carbonate, forcel, P.V.C. resin, block B.M.S. Compound, titanium dioxide, etc. severely damaged by fire, heat, smoke and water.	1,56,000
40	24-12-83 1439 hrs.	B.P.T. Hazardous Ware house, Haji Bunder Road, Bombay.	Chemicals Godown.	Firemen with 28 engine lines and 2 foam lines from 23 pumps.	Large stock of inffamable and hazardous chemicals such as butyl acrylate, ethylene chloride, trichloroethylene, butyl ester monomer, sodium hydrosulphide, comphor, chlorophenyl, dihydroacetate, liquid bromine, parathion, carbon black, etc. in drums and small containers stored in three ground floored brick walled sheds, containers, and in open on an area 700' x 250'. Three ground floored brick walled with A.C. and tiled roof structures with electric installation severely damaged by fire, heat, smoke and water. (In all one injured).	1,25,40,000

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							Ra.
41	26-12-83 0227 hrs.	A/1, Shah and Nahar Indl. Estate, Dhanraj Mill Compound Lower Parel, Bombay.	Mfg. of ready made garments.	Firemen with two engine lines of four motor pumps	Large stock of readymade garments, cloth, 26 sewing machines, office records, electric installations, loose cloth, two overlock machine, one cutting machine, wooden and steel furniture, paint work of the gala, loose papers, electric cables, from common passage on 2nd floor, etc. severely damaged by fire, heat, smoke and water.		1,26,000
42	28-12-83 0723 hrs.	Pharma Medico India Pvt. Ltd., 1, Prabhat Nagar, S.V. Road, Jogeshwari (W), Bombay-102.	Pharmaceutical.	Firemen with 4 water lines of 4 motor pumps.	Large quantity of various size of Pharmaceutical plain aluminium collapsible tubes, aluminium foils cartoons, labels, plaint literatures, corrugated boxes, plastic capbs, carious office records, various rubber stamps, gum tape rolls, some wooden furnitures, steel cupboards, wooden racks, some machinery, six tablet machines, three tablet, coating puns, wooden doors, windows, electric installation, plaster and painting of the ceiling and wall etc. severely damaged by fire, heat, smoke and water.		4,25,000
43	14-1-84 1040 hrs.	Chhota Sonapur, Oil, Maulana Shaukatali Road, T.P. Street, Bombay-3.	Storing waste coconut and mgf. wooden frames.	Firemen with 20 motor pumps.	Large quantity of coconut shells, timber, furniture, polishing material and other combustible material in various units in ground floors, C.I. Sheets structures were severely and household articles and medicines in five floored residential building partly damaged by fire, heat, smoke and water. C.I. sheet structures, window, shutters, balcony grills, electric wiring etc. also severely damaged by fire.		1,02,500
44	18-1-84 0912 hrs.	11, Hirabai Compound, Ghorapdeo 1st Cross Lane, Bombay.	Machanical buffing work-shop.	Firemen with 13 motor pumps	Large quantity of cardboard and paper, plywood machinery, electric installation in the various industrial estate, severely damaged by fire, heat, smoke and water.		1,70,500
45	16-1-84 0050 hrs.	Plot No. 133, Messrs. Aco Fans Works, Government. Industrial Estate, Char - kope, Kandivali (W).	Mtg. (Fans)	Firemen with 6 engine lines of 10 motor pumps.	Windows steel frames, glass panels wooden ventilator frames, A. C. sheet roof, steel frames and truses, woodn partition, wooden furniture, office records, steel cupboards, steel lockers, finished products (Fan), and semi finished products, plastic assessories, packing material cartoons, electric wirings, and fittings electric testing equipments etc. severely damaged by fire, heat, smoke and water.		2,90,000
46	6-2-84 2020 hrs.	Worli Hill Road, Acharya Atre Chowk, Jarimari Zopadpatti Worli, Bombay	Residential	Firemen with 4 engine lines of 4 motor pumps.	Garments, furniture, food grains, eatables, other household articles and the entire ground floored bamboo matting timber framed, tiled roof structure were severely damaged by fire, heat, smoke and water.		1,12,000
47	9-2-84 2334 hrs.	Poddar Processors, G. K. Marg, Worli, Bombay.	Textile Mills	Firemen with two lines of one motor pump.	Entire one pantex machine including its different parts namely electric motors, electric installation, centering clips, chain links, etc. severely damaged by fire, heat, smoke and water small quantity of heavy oil burnt.		4,50,000
48	12-2-84 0717 hrs.	167-169, Vasanji Ganga-dhar Charitable Trust Bldg. Dadabhai Nauroji Road, Bombay.	Eating House and various other busin - ness.	Firemen with 10 lines of 17 motor pumps.	Large quantity of kerosene oil and eatables oil, furniture in the restaurant on the ground floor, household articles, personal belongings, office files, furniture, some stamps of rubber, kitchen utensils, oil pressure stove, showcase, food, electric installation, some cuttlery goods, stationery, pans, other materials, some amount of cotton cloths, typewriters, watch repairing tools, time clocks, time pieces, various watches, books of accounts original documents, records, electric fans, etc. severely damaged by fire, heat, smoke and water.		1,36,700

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						Ra.
49	13-2-84 0339 hrs.	Kamraj Nagar, Zopadpatti, Western Express Highway, Near Bahar Cinema, Vile Parle (E), Bombay.	Metal Cut- ting and press ing.	Firemen with 6 engine lines of 9 motor pumps.	About 350 residential hutments, including personal belongings, household articles, food grains, one industrial gala wherein rubber moulded goods were being manu- factured on second floor, scrap materials, stock of raw materials, i.e. rubber bushes, inner tubes, outer shesl, stock of finished goods, machinery, dust collector, Arbour press three, wooden furni- tures, racks, files, records, electric installation, bench g-inedrs, turn- ing lathes, etc. severely damaged by fire, heat, smoke and water.	2,42,000
50	15-2-84 0336 hrs.	Mistry Industrial Complex, Mahakali Road, M.I.D.C., Mulgaon, Andheri (East), Bombay.	Mfg. photo - graphic che- micals and various other trades.	Firemen with 4 motor pumps and by cutting of current.	Large stock of low density plastic polythene powder in bags, plastic semi finished and finished goods, extruder machines, windsor machine, photographic chemicals, and accessories, electronic machines, industrial machines, filling machincs and other com- ponents, office records, file, furni- ture, wooden loft, wooden parti- tions, window panes, doors, steel windows, electrical installation and A.C. sheet roof wall, paint work of walls, cabins etc. severely damaged by fire, heat, smoke and water.	8,38,000
51	18-2-84 1035 hrs.	Messrs. Shakti Vacuum Products, Shri Shakti Prints Compound, Chakala Road, Andheri (West), Bombay-93	Mfg. Bangles and textile mills.	Firemen with 4 motor pumps and by cutting of current.	Stock of glass Bangles, Optical glass, butter papers, packing mate- rials, raw material of bangles, stock of polyster texturised yarn, electric fittings and fixtures, office files, records, electric installation, A.C. Sheet roof, wooden doors, windows etc. paint work of walls was severely damaged by fire, heat, smoke and water.	5,20,000
52	22-2-84 0442 hrs.	Messrs. C. Jairam Pvt. Ltd. T.J. Road, Sewree, Bom- bay.	Teasing Mill	Firemen with 20 motor pumps.	Large quantity of waste cotton, 6 teasing machines, 2 pressing machines, One hydraulic pressing machines, five A.C. Machines, 15 wall fans, exhaust fans, account books, various office records, false ceiling, large quantity of polyster yarn cartoons, old tyres, working bench of auto repair garage which was kept along side co compound wall, walls, etc. severely damaged by fire, heat, smoke and water.	10,00,200
53	26-2-84 0632 hrs.	Indian united Mill No. 2, Rambhau Bhogale Marg, and T.B. Kadam Marg, Bombay.	Textile Mills	Firemen with four Motor Pumps and 3 lines of Mill Hydrant.	Electric capacitors, switch gears, cables, electric fittings, electric installation, portion of timber framed roof with A.C. Sheet and small portion of the weaving section, timber framed shed, elec- tric cable of a power house, beams which were kept in passage, tile roof, cloths, large quantity of yarns, etc. severely damaged by fire, heat, smoke and water.	2,50,000
54	29-2-84 0706 hrs.	Lupion Laboratories Pvt. Ltd., 159, C.T.S. Road, Kurla, Santacruz (East), Bombay-98.	Office	Firemen with 3 jets from 3 motor pumps.	Office furniture, office records, on the wooden racks, two air- condition machines, telephone board, telephone installation type- writers false ceiling office, cabins, electric installation, paint work severely damaged by fire, heat, smoke and water.	1,15,000
55	1-3-84 0323 hrs.	Chimatpada, Marol Naka, Off. M.V. Road, Opp, Ruby Camp, Andheri (E), Bombay.	Iron Scrap and other various trades	Firemen with 7 engine lines of 8 motor pumps.	Large stock of wooden boxes, wooden planks, wooden frames, plastic waste, waste paper, machi- neries, office files, records, house- hold articles, furniture, electrical wirings, lathe machines, welding machine, hand shear sheet, wooden partition, loft, cutting snapping machine, doors, windows, G.I. sheet roofed, timber frame roof, walled structure, etc. severely damaged by fire, heat, smoke and water.	1,48,300

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56	2-3-84 1541 hrs.	Navbhudha Bhambrekar Nagar, M.G. Road, Opp. Ashoka Industrial Estate, Charkop, Kandivali (West), Bombay.	Hutment Dwellers.	Firemen with 6 engine lines of 5 motor pumps.	About 300 and 34 hutments with household articles, food grains, cloths, combustible material, partly G.I. Sheet, gunny bags, wooden planks bamboo matting roof and walls, readymade garments parti- tion wall etc. severely damaged by fire, heat, smoke and water.	2,29,900
57	2-3-84 2020 hrs.	Fosbery Road, Sewree, Coal Depot, Bombay.	Charcoal	Firemen with 12 Motor Pumps and P.F.S. firemen with 1 motor pump	Large stock of coal, coke, coal powder, large number of timber framed with bamboo matting sheds, entire ground floored struc- ture completely damaged entire shed severely damaged by fire, heat, smoke and water.	8,16,000
58	14-3-84 1610 hrs.	Special Oil Refinery filter house, Gadkari Marg, Mahul, Bombay-74.	Mfg. of various oil.	Firemen with 3 engine lines and hydrant lines and Co.'s employees with 3 hydrant lines.	Rotary drum filters, with hoods and chutes, filter press, Hoppers, copper pipines, safety valves, elec- tric motors, receiving towers and vessels, few gunny bags, electric installations, paint work of wall of Building etc. severely damaged by fire, heat, smoke and water.	1,00,000
59	23-3-84 1440 hrs.	G.K. Marg, Goodlass Nero lac Paints Co., Lower Parel, Bombay.	Mfg. paints	Five engine lines of 5 Motor pumps.	Large quantity of various types of warmish, thinners, in metal steel tank finished products, of paints, in drums, some drums and tin containing solvents, pakaging materials, white spirit, turpentine, Butanol in drums, allu- minium paste, iron platform A.C. sheet roofing, walls windows, etc. severely damaged by fire, heat, smoke and water. (In all two injured).	1,25,000

APPENDIX—III

Brief details of Serious House Collapses during the year 1983-84

Serial No.	Date and Time	Place	Death	Injury	Details
1	25-4-1983 1105 hrs.	Thakkar Bappa Colony Road, Thakkar Bappa Colony, Kurla (East).	1	5	Two rooms (one was on ground floor and second was on first floor) of a two floored brick walled timber framed building had collapsed as a result six persons were reported injured.
2	23-7-1983 0411 hrs.	320, Sunbeam Building, Raja Ram Mohan Roy Road, Girgaum, Bombay-4.	5	3	A large portion of flooring and walls comprising of two rooms on each floor (2nd, 3rd and 4th) of a four floored building (used for dwellings and a restaurant) had collapsed on first floor. Thereby trapping number of persons under debris.
3	26-7-1983 2146 hrs.	Building No. 183, Dadabhoy Nvaroji Road, Pombay-1.	1	..	On arrival at the incident it was noticed that entire Southern side wall portion of a five floored brick walled timber framed structure had collapsed on the ground floor thereby buring one person under the debris.
4	27-7-1983 1700 hrs.	96, Sher Mansion, Seth Moti- shah Lane, Opp. Mazgaon Telephone Exchange.	3	7	On arrival at the scene of an accident it was noticed that the east side portion of a four rooms on each floor of a four floored residential building (being shops on ground floor) gave away as a result all ten persons trapped under the debris and 30 people on upper floors.
5	4-8-1983 2101 hrs.	16, Dadoji Kondeo Road, Dadoji Kondeo Cross Lane, Byculia.	1	..	On arrival it was noticed that a compound wall (of a ground floored ware house) of about 15' in height and about 15' long gave way. As a result a man aged about 65 years old reported seriously injured.
6	4-8-1983 1548 hrs.	Shree Narayan Guru High School, Shree Narayan Nagar P. L. Lokhande Marg, Chem- bur, Bombay-89.	..	18	Cement concrete slab under construction of a hall of 155x56 feet collapsed injuring 18 persons. 55x50 feet new slab under construction only collapsed.
7	5-8-1983 2342 hrs.	Akashdeep Building, Haldankar Bridge, S.V.P. Road, Opp. Opera House Cinema, Bom- bay-4.	7	17	The upper four floors (3rd, 4th, 5th and 6th) of a seven floored R.C.C. building had completely collapsed on the second floor level and in western railway track thereby trapping number of persons under debris, resulting in obstruction to the railway run and damaging the part of both adjacent bridges (i.e. 1 Haldankar Bridge, 2 Sandurst Bridge).
8	14-9-1983 0652 hrs.	Domnie building, Building No. G/48, Marol Village, Marol Marol Road, Andheri (East) Bombay-59.	..	5	On arrival at the scene of incident it was noticed that the entire two floored brick walled timber framed tiled roof structure and about 20' x 15' in area had collapsed with the result 5 persons are trapped under the debris those who are on first floor.
9	7-10-83 0711 hrs.	114/116, Kazi Stree., Bombay	1	3	On arrival at the scene of incident it was noticed that a portion of living room passage and W.C. Block of ground and four upper floor brick wall timber framed building was collapsed on the ground and number of occupants trapped under debris.
10	13-10-1983 1114 hrs.	Andheri Bus Station, Opposite Andheri Railway Station, S.V. Road, Andheri West, Bom- bay-58.	..	12	On arrival at the scene of accident it was noticed that a portion of R.C.C. slab of a first floor level and about 20' x 20' in area which was under construction was in progress had collapsed thereby 12 persons labourer were injured out of them, two persons (labourers) trefpe under the debris.
11	22-10-83 1319 hrs.	75, S.V.P. Road, Near Nul Bazar.	1	1	On arrival at the scene of accident it was noticed that some portion of ceiling and woden loft of living room on second floor of ground and first upper floor partly brick and stone wall and timber framed building was collapsed on the adjoining same room thereby two occupants were injured.
12	24-10-1983 1500 hrs.	Plastic Cable private limited Opposite Municipal School, Sewree Cross Road, Sewree, Bombay-15.	1	5	Southern side wall and portion of .AC. Sheet roof of a ground floor storage was collapsed. One person was dead and 5 persons were reported injured.
13	18-11-1983 0313 hrs.	14, Keshvji Naik Road, Bhat Bazar, Purushottam Niwsa, Bombay-9.	2	..	On arrival at the scene of incident it was noticed that Northern side entire portion of the staircase and balcony and area bout 10' x 60' of the 5 floored timber framed, brick walled, tiled roof construction used as dwelling on upper 4 floors and godown on ground floor was collapsed down. It was under repair.
14	9-3-1984 1047 hrs.	104, Lady Jamshotji Road, Laber Mansion, Mahim, Bom Bombay-16.	1	4	On arrival at the incident it was observed that balcony portion of a second floor of a four floored residential building which was under repairs had collapsed due to that four persons were injured.
15	18-3-1984 1627 hrs.	Building No. 41/51 and 43, Trinity Street, Dhobi Talao, Bombay-1.	1	3	On arrival at the incident it was noticed that partition wall on first floor in between two buildings alongwith first floor flooring portion of one of the building had collapsed on the ground floor of a four floored brick walled timber framed structure. Three persons received injury.
16	25-3-1984 1310 hrs.	19/21, Yakub Street, Adam Manzil, Opp. J.J. Hospital, Bombay-3.	2	4	On arrival at the scene of incident it was noticed that the flooring of south-west side living room and entire southern side wall of 5 floored brick walled, timbre framed tiled roof structure had gave way and collapsed and reported one person trapped under debris.

APPENDIX IV.

Sr. No.	Type of Rescue	In Fire	In accident	Total
1	Number of persons rescued alive and subsequently recovered.	51	51	102
2	Number of persons rescued alive with burns and/of injuries but subsequently died.	44	21	65
3	Number of human lives lost before arrival of Brigade	17	111	128
4	Number of casualties amongst Fire Service personnel	9	..	9
5	Number of animals and birds rescued .. .. .	..	135	135

APPENDIX No. V.

Fire Risk Covered :

1	Textile Woolen Silk and artificial silk (Rayon etc., Mills)	---	---	99
2	Ginning Mills	---	---	18
3	Cotton Presses	---	---	13
4	Oil Mills	---	---	35
5	Petrol and Oil storages, refineries	---	---	49
6	Match factories, fire works and explosives manufacturers	---	---	5
7	Explosives stores	---	---	11
8	Processes involving dangerous petroleum products	---	---	10
9	Cinematograph films Celluloid plastics and Bakelite works	---	---	45
10	Timber and wood working paper manufacturing etc.	---	---	224
11	Chemical Works	---	---	92
12	Gas and Electricity Undertakings	---	---	121
13	Docks, railways, Air-Port installations	---	---	34
14	Warehouses, Goods Yards, Goods Sheds	---	---	296
15	Manufacture of rubber goods	---	---	25
16	Manufacture of other goods	---	---	387

Water Facilities :

17	Hydrants and approximate capacity	---	---	10227
18	Water Ponds	---	---	43
19	Refilling places	---	---	72
20	Wells Rivers and Canals	---	---	1159
21	Other facilities like static tanks, storage tanks etc.	---	---	141
	{ Sea Water around the island of Bombay.			

APPENDIX No. 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 1983-84.

		H O W A T T E N D E D																						
Room	Total	Station Appliances						Aiding Appliances													Sand	Water Buckets	Chemical Extinguishers	Fire Appliances
		Motor Pump with Escape Ladder	Motor Pump with Extension Ladder	Hydraulic Platform	Ambulance	Water Tanker	Motor Pump with Escape Ladder	Motor Pump with Extension Ladder	Turntable Ladder	Hydraulic Platform	Rescue Van	Motor Emergency Tender	Water Tanker	Hose Laying Lorry	Control Post Van	Breathing Apparatus Van	Ambulance	Turntable Ladder						
161	195	..	239	36	60	..	6	76	25	..	2	..	30	..	3	..	..	..	68	19	19	1
331	382	237	111	7	..	..	74	63	2	..	3	..	19	..	3	2	17	..	157	31	1	1
611	681	616	137	6	39	17	71	31	14	..	..	..	11	2	3	..	..	7	249	30	6	1
427	511	511	4	18	7	31	85	64	13	..	8	1	36	..	4	7	31	..	147	30	6	4		
325	397	363	93	7	..	7	41	30	11	..	..	5	13	..	5	25	..	2	145	29	35	1
286	348	329	128	4	..	20	50	185	3	..	..	..	16	..	2	3	..	..	114	39	310	1
246	383	359	142	1	34	1	144	38	..	..	1	..	11	..	..	4	6	5	..	..	..	..
204	211	..	208	..	..	..	86	23	..	..	..	..	..	..	..	..	..	..	101	96	..	..
107	125	92	90	7	19	16	36	62	..	..	..	3	11	7	13	8	..	..	27	12	14	..
155	163	161	3	..	..	..	95	48	..	..	3	..	29	..	1	3	31	..	40	13	..	..
117	133	130	..	3	..	..	88	52	2	..	..	..	33	1	4	..	..	..	29	13	49	..
480	513	..	947	..	..	88	..	191	5	..	..	7	21	10	2	..	161	18	..	205	136	..
227	275	48	267	1	34	34	18	110	..	..	1	8	19	..	1	..	32	..	58	43	61	..
198	239	..	288	..	..	..	..	59	..	..	..	7	13	..	..	..	52	..	53	38	7	..
168	175	..	191	1	..	..	9	45	2	..	1	..	18	..	1	..	17	..	57	37	8	..
49	65	..	65	..	..	..	..	38	1	..	..	4	4	..	13	..	..	..	15	6	..	..
96	146	117	52	2	6	16	7	35	..	..	..	4	6	..	1	1	..	8	39	22	20	..
53	93	88	10	..	..	..	12	28	..	..	..	..	5	..	..	1	4	..	38	19	..	..
236	301	282	79	1	..	..	30	28	1	..	1	2	..	..	1	..	64	..	54	41	71	..
1,374	6,161	3,049	2,258	11	126	134	659	617	81	81	35	19	234	6	26	18	160	39	1,178	612	939	..		

APPENDIX No. VII.

Fires and Losses for the Period from 1978/79 to 1983/84.

Year	No. of Fires	Estimated Loss
1978-79	2907	Rs. 6 05,21,621
1979-80	3090	5,00,00,276
1980-81	3286	5,64,00,000
1981-82	3048	5,91,71,000
1982-83	3031	7,11,79,728
1983-84	3409	3,83,63,560

APPENDIX No. VIII

Special Service Call

Serial No.	Date and Time	Place	Death	Injury	Details
1	9-4-1983 0835 hrs.	Eastern Express Highway, Opp. Shramajiri Nagar, Ghatkopar (East), Bombay.	1	5	A lorry bearing Regd. No. MMT-6952 loaded with charged L.P.C. cylinders proceeding in South-North direction along Eastern Express highway dashed against an electric lamp post on road divider.
2	10-4-1983 0821 hrs.	Near Kings Circle Bridge, Dr. Babasaheb Ambedkar Road, Matunga Bombay.	2	6	A Motor lorry bearing No. MMS-896 had dashed against a private compound wall and had overturned.
3	28-4-1983 2045 hrs.	Tembe Nagar, Eastern Express Highway, Chembur.	1	3	A private lorry bearing Reg. No. MHO 7927 which was proceeding from east to west on eastern express highway had over turned about 10' down from the road near the bridge resulting four persons injured.
4	21-5-1983 1655 hrs.	Vithal Narayan Purav Marg, Maitry Park, Chembur, Bombay.	1	8	A motor tanker bearing Regd. No. MMH-933 which was proceeding from north to south dashed against a State Transport Bus bearing Regd. No. EMT-89C4 coming from the opposite direction near Maitry Park, resulting 1 dead and 8 injured.
5	1-6-1983 1635 hrs.	Asmita Mogra Co-operative Housing Society Shere-Punjab Colony, Mahakali Road, Andheri (East), Bombay-92.	2	3	Boulders from a hillock had fallen while digging work at the base of the hillock was in progress in a private compound. Due to the incident, five labourers engaged for digging work were trapped underneath the ceiling of boulders.
6	12-6-1983 1320 hrs.	Eastern Express Highway, Jun. P.N. Lokhande Marg, Chembur, Bombay.	3	4	A motor lorry bearing Regd. No. MHL 4600 which was coming from Thana via. Eastern Express Highway took a turn into P.N. Lokhande Marg and dashed into a Stationery tempo bearing Regd. No. MTF-4356 and two Auto Rikshaws bearing Regd. No. MMV-2135 and MMT-9987. It further went and dashed into a ground floored shop trapping 7 persons.
7	10-12-1983 0534 hrs.	L.B.S. Marg, Opposite Anjanabai Magar Bus Stop, Kurla (West).	4	4	A private bus bearing No. MTT-4487 speeding from North to South from Kurla towards Sion had dashed against the Stationery Motor Lorry bearing No. MHS-1155 which was loaded with iron bars. Due to collision the iron bars had entered inside front wind screen of the private bus and pierced inside the body of passengers trapping them inside.
8	12-12-1983 1548 hrs.	Opposite B.E.S.T. Bus Depot, Dharavi Road and Dharavi Link Road, Dharavi, Bombay	3	8	A double decker B.E.S.T. bus bearing Regd. No. MRL-5016 had dashed into a Bus Stop resulting into injuries to several persons who were standing at the Bus Stop.
9	14-2-1984 1808 hrs.	Kurla Andheri Road, Marol Pipe Line, Near Lilalace Co., Bombay.	2	6	A B.E.S.T. Omni Bus bearing No. MRL-5234 (Route No. 336) going from Vikhroli to Andheri went off the road and mounted the pavement causing injuries to eight persons.
10	16-2-1984 2244 hrs.	Junction of Eastern Express Highway and Ghatkoar, Mahul Road (Amar Mahal Junction), Chembur.	..	21	A motor lorry bearing No. MIE-2305 proceeding along the Eastern Express Highway in North-South direction dashed against an electric lamp post on the road divider and subsequently dashed with a B.E.S.T. double decker bus bearing Regd. No. MRR-813 (Route No. 354) which was proceeding in South-North direction along the highway at the junction of Eastern Express highway and Ghatkopar, Mahul Road (Amar Mahal Junction).
11	11-3-1984 1641 hrs.	Dr. Annie Besant Road, Opp. Century Bazar, Worli, Bombay.	..	6	A car bearing Regd. No. MMD-9034 had dashed against a B.E.S. & T. omni bus bearing Regd. No. MRL-5888 on road, whereby four persons were trapped inside the Car.

MARKET DEPARTMENT

Salient Features

In the year 1983-84.

Income	Rs. 2,23,27,670	Expenditure	1,94,92,285
Markets maintained :		Municipal	Private
City		35	10
Eastern Suburbs		14	2
Western Suburbs		30	5
Markets developed	City	Western-Suburbs	Eastern-Suburbs
Markets developed	..	2	2
Markets under development	6	1	1

There are 96 markets—79 Municipal and 17 Private Markets, under the control of the Corporation. In addition to this, 1126 licences have been issued for outside shops of meat and fish to cater to the increasing demands of the citizens.

The entire activities of the Market department are managed by 1119 personnel (supervisory-6, Inspectorial-215 Indoor staff-61 and labour staff 837).

The markets are situated in different areas viz. (1) city, (2) western suburbs & (3) Eastern suburbs. Their financial position etc. is as under :—

Unit	Municipal Markets	Private Markets	Licences issued to O.S. shops	Revenue Collected	Expenditure	
					Estt.	Maint.
				Rs.	Rs.	Rs.
(1) City ..	35	10	413	1,74,27,400	81,11,225	66,97,205
(2) Western Subs. ..	30	5	399	34,21,810	30,46,750	20,530
(3) Eastern Suburbs...	14	2	314	14,78,460	12,23,485	3,83,290
Total ..	79	17	1126	2,23,27,670	1,23,81,460	71,11,025

The cold storage at M. J. P. Market is scrapped and demolished, and a new cold storage at C. S. Market is under construction.

During the year, revenue amounting to Rs. 2,23,27,670 was collected against the amount of Rs. 1,91,53,315 for the previous year. So also, expenditure for the year was Rs. 1,94,92,285 as against Rs. 2,15,98,425 for the previous year.

Wholesome articles viz. vegetables, fruits, mutton, beef pork, fish, poultry eggs etc. were supplied through the markets to the citizens of Bombay.

Surprise raids to detect smuggling of animals and unauthorised slaughter of animals were carried out regularly by the special staff. Nearly 7208 raids were carried out and Rs. 4,01,083 were collected by way of fine and auction of staff.

Immunization of cattle and dogs is done by a team of Veterinary staff.

During the year, 332 dogs and 42,286 milch cattle were minimized at 8 centres. The curative and preventive treatment of animals was continued at Khar Veterinary Dispensary.

Due to increasing number of hawkers during the year 1983-84, some of the municipal markets in the suburbs were not patronised well.

Following Markets are under Development.**City.**

- | | |
|----------------------|---|
| (1) Colaba Market. | Works of 3rd phase construction is in progress. |
| (2) M. J. Phule Mkt. | Old mutton section is demolished. Plans are ready for East wing new Bldg., But work not taken up in hand due to financial difficulty. |
| (3) Babu Genu Mkt. | Work of 3rd phase construction is in progress. Work is not yet completed. |
| (4) K'Pura Market. | Work of construction of 1st phase stands still. |
| (5) Elphinstone Mkt. | Work of construction of super structure is Nearing completion. |
| (6) D. K. Mandai. | Construction work is in progress but not completed. |

Markets under development on Suburbs.

- | | |
|---|--|
| (1) Turner Road Market.
(Guru Nanak Road) | Construction of the New Market is nearing completion. The Market has not however been handed over to the Market Deptt. |
| (2) Construction of
Municipal Market at
Tagore Nagar,
Vikhroli (East). | The construction work is in progress 50% work is completed. |

Markets fully developed in City.

Nil.

Markets fully developed in Suburbs.

- | | |
|--|---|
| (1) Khar Danda Market. | Fish section patronised But inside shops not patronised. |
| (2) Goregaon Market (W) : | Started from Nov. 83. The Market is functioning well. |
| (3) Market on Plot
No. 5 A at
Mulund (W) on
5 L Road. | } Auction proposed on 22-12-83 is postponed due to stay order from the Court. |
| (4) Market Plot No. 36
at Mulund. | |

Ward Officer (Markets)

DEONAR ABATTOIR

Since the commissioning of the Abattoir all the units continued to function smoothly.

During the year under report there is Short fall in the 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 on international Standards was continued in the inedible plant. Approximately 68.00 tonnes of blood meal was produced during the year under report. The scientific disposal of the waste material, 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 the Bakri-Id Festival for "Sacrificial Slaughter" of Horned Cattle in one of the livestock market sheds and Mnnicipal Meat Vans were made available for the transportation of sacrificed meat.

Pharmaceutical concerns like Messrs. Griffon Laboratoir Messrs. Raptakos Brett. and Co., M/s. Cachet phamaceuticals Messr.s. Emcure pharmaceutical 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 Paarmaceutical use and research purpose.

Educational Institutions like Bombay Veterinary College, Kokan Krishi Vidyapith, Marketing trainees from Director of Marketing and Inspection Government of India, Local Self Government Institute Bombay and many other Educational Institutes availed of the facilities for demonstration/training etc.

Dignitaries from various States and from abroad paid visits to the Abattoir and took advantage of the technical expertise available here.

DR. A. A. PADALKAR,
General Manager I/c.
Deonar Abattoir.

STATEMENT I.

Part—I.

Brought	Buffaloes	Bullocks	M. B. Cs.	Sheep & Goats	Pigs
1982-83	52,039	92,930	5,403	40,90,360	36,895
1983-84	64,787	97,229	4,120	39,43,052	43,009
Rejected					
1982-83	426	963	30	2,327	172
1983-84	355	998	21	3,707	212
Percentage of Rejection.					
1982-83	0.08%	1.03%	0.5%	0.06%	.46%
1983-84	0.05%	1.02%	0.5%	0.09%	.49%
Animals Removed					
1982-83	118	12	1	4,44,870	...
1983-84	1	2	..	5,30,692	...
Slaughtered.					
1982-83	50,463	93,966	5,388	24,75,406	36,563
1983-84	64,633	97,538	4,236	24,67,924	43 09

Part—II.

Meat	Quantity Produced (in tons)		Quantity Condemned (in tons)		Percentage of condemnation	
	1982-83	1983-84	1982-83	1983-84	1982-83	1983-84
Beef	19,479.40	22,888.45	63.26	88.94	.32%	0.38%
Mutton	24,712.00	24,645.33	17.66	14.93	.71%	0.60%
Pork	914.075	1,077.67	11.35	15.30	1.24%	1.42%

STATEMENT—II

Revenue collected at Deonar Abattoir

	1982-83	1983-84
	Rs.	Rs.
(1) Fair fees	55,63,743	58,16,498
(2) Slaughter fees	1,23,42,166	1,65,83,219
(3) Licence fees	3,07,610	2,70,428
(4) Blood fees	4,20,374	7,31,878
(5) Service charges for slaughter of animals	1,23,66,378	1,26,19,166
(6) Miscellaneous Receipts	11,32,993	9,74,766
(7) Rent	3,20,405	4,79,874
(8) Cold Storage Charges	2,41,731	99,381
Grand total	3,26,95,400	3,75,75,210

LICENCE DEPARTMENT

HIGH LIGHTS :

- (1) Expenditure on the Department :—
 (a) Establishment .. Rs. 1,36,38,655
 (b) Others .. Rs. 3,09,459
- (2) Revenue earned by the Department : Rs. 5,23,46,655.

Section of B.M.C. Act.	No. of Licences issued and amount realised					
	No. of Licences issued.			Revenue realised (in Rs.)		
	Div. I	Div. II	Div. III	Div. I	Div. II	Div. III
313(A) (3) (3)	42,278	2,844	1,115	57,22,064	2,27,004	1,22,439
313(A), 313B	9,21	2,281	1,266	42,08,134	13,46,704	5,14,224
323, 323A	4,331	1,176	555	73,55,666	12,17,456	5,11,441
353, 354, 4, 2A	33,245	37,923	13,253	1,74,79,508	42,33,494	52,20,028

(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
		5,445	6,614	1,650	16,42,573	6,35,673	2,47,125

Functions and Activities: The Licence Department functions in four wings viz. (1) Licence Section (2) Encroachment Section (3) Stall Board and other projection Section and (4) Advertisement Section and their activities are as under :—

(1) **License Section :** This section issues licences under Section 394 of Bombay Municipal Corporation Act, for Storages and Trades which are either inflammable, combustible, corrosive, poisonous etc., and for trades or processes which have a nuisance value from public health point of view. Permits under Section 393 of Bombay Municipal Corporation Act, are also issued for controlling steam whistles and steam tractors etc. A revised Schedule "M" of 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 Communities to implement this Schedule as the Trading Associations including Indian Merchants' Chamber, feel that implementation of this Schedule will cause harassment to the traders. However, this department has already started implementing the Schedule. 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 Section :** This wing controls hawkers and squatters either by issuing licences at suitable places or by removing unauthorised hawkers from roads and footpaths. The total amount recovered by way of redemption and demerage charges is Rs. 36,13,000 for 1982-84 as against Rs. 34,32,254.00 for 1982-83.

(b) Action against unauthorised hawkers were taken by arranging special mass raids with the help of Task Force provided by the Commissioner of Police during the year and it has not desired effect.

(c) The Corporation at the recommendation of Hawkers Committee have accorded their sanction to regulate the hawkers by charging them Rs. 3 and Rs. 1 per male and per female hawker respectively per day on the roads where the hawkers will not cause obstructions to the traffic. Accordingly, the scheme has been implemented in Suburbs for experimental purpose. As there were some complications, Corporation have decided to recover uniform fee of Rs. 3 per hawkers per day. An amount of Rs. 35,366 has been recovered towards such hawkers fees upto 31-3-1984. Removal action is taken against the hawkers doing business on the roads prohibited for hawking.

(3) **Stall Board Section :** This wing deals with issue of permissions for various types of projections viz. Stall Board, Weather Frame, Over Hanging Awning, Show-cases, Cupboard, steps etc. under Section 313(1)(f) of the B.M.C. Act.

(4) **Advertisement Section :** This wing regulates various types of advertisements and signs in City and suburbs to implement the provision of Section 323, 323A of the B.M.C. Act.

(5) **Mass Raid Section :** There are five Mass Raid Sections for detecting unauthorised, inflammable and explosive storages. As a result of their detections of unauthorised storages and trades and infringement in case of licensed premises, 4625 court cases have been launched in addition to the figure of security deposit of Rs. 1,71,250.

(6) **Flying Squad Section :** A Flying Squad consisting of Officers of the Bombay Fire Brigade Department and the Licence Department, has been introduced from 1-8-1983 under the overall control of the Dy. Municipal Commissioner (Zone-I) in order to detect the unauthorised explosive and highly inflammable storages of chemicals, petro-chemicals which are potential fire hazard. 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.

Till the end of March 1984, this Squad has detected 115 cases and complaints have been lodged with Police and actions under Section 516AA of the B. M. C. Act, have been taken. Total storage charges recovered for storing the goods so seized are Rs. 1,96,460. 35 Court cases have been finalised resulting into inflicting fine of Rs. 10,850.

D. A. PADGAONKAR,
Superintendent of Licences.

APPENDIX 'A'

Statement showing the number of licences and permits issued and fees received in the year 1981-82 to 1983-84.

Description	Year	Number of Licences and Permits			Amount of fees realised (in Rs.)			Total amount 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 and Trades including Milk and its products. (Section 394 and 412A).	1981-82	63,479	*43,274	..	Rs. 88,00,557	Rs. 80,26,758	..	Rs. 1,60,27,315
	1982-83	61,827	*44,946	..	1,23,31,696	1,26,18,965	..	2,54,50,661
	1983-84	63,214	33,899	18,186	1,34,47,724	82,05,046	51,93,098	2,68,45,868
	Total ..	1981-82	63,527	*43,374	..	88,03,001	*80,34,283	..	1,68,37,284
(2) Blowing Steam Whistle (Section 393).	1981-82	48	*100	..	2,444	*7,525	..	9,969
	1982-83	45	*95	..	3,210	*9,907	..	13,117
	1983-84	32	21	77	2,549	2,978	10,638	16,165
	Total ..	1981-82	61,872	*45,041	..	1,28,34,906	*1,26,28,872	..	2,54,63,778
(3) Transfer of fees (Section 394 and 412A).	1981-82	1,383	*529	..	33,679	*29,696	..	63,375
	1982-83	1,133	*405	..	31,711	*38,823	..	70,534
	1983-84	614	492	120	29,295	25,380	17,188	71,863
	Total ..	1981-82	63,246	30,920	18,263	1,34,50,273	82,08,024	52,03,736	2,68,62,033
Grand Total ..	1981-82	64,910	*43,903	..	88,36,680	*80,63,979	..	1,69,00,659
	1982-83	63,005	*45,446	..	1,28,66,617	*1,26,67,695	..	2,55,34,312
	1983-84	63,860	31,412	18,383	1,34,79,568	82,33,404	52,20,924	2,69,33,896
	Total ..	1981-82	64,910	*43,903	..	88,36,680	*80,63,979	..	1,69,00,659

* This figure includes Revenue of Division II and Division III together.

APPENDIX 'B'

Statement showing the number of permits for advertisement issued and amount of fees collected during the year 1981-82 and 1983-84 under Section 328/328A.

Description	Year	Number of permits			Amount of fees realised (in Rs.)			Total 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	
					Rs.	Rs.	Rs.	Rs.
(1) Wall Posters, Hoardings and Boards (2) Moveable Boards and Hand carts (3) Illuminated Advertisements, Sky-signs (4) Non-illuminated Sky-signs (5) Wall Paintings	1981-82	5,153	*2,146	..	58,17,642	*13,17,133	..	71,34,775
	1982-83	4,403	*2,208	..	58,83,802	*16,42,178	..	75,25,980
	1983-84	4,331	1,176	855	75,65,656	12,87,456	5,11,461	88,53,122
	Total ..	1981-82	5,153	*2,146	..	58,17,642	*13,17,133	..	71,34,775
Total ..	1982-83	4,403	*2,208	..	58,83,802	*16,42,178	..	75,25,980
	1983-84	4,831	1,176	855	75,65,666	12,87,456	5,11,461	88,53,122
	Total ..	1981-82	5,153	*2,146	..	58,17,642	*13,17,133	..	71,34,775

* This figure includes Revenue of Division II and Division III together.

APPENDIX ' C '

Statement showing the number of Hawkers licences issued and amount of fees collected during the year 1981-82 to 1983-84.

Description	Year	Number of licences issued			Amount of fees collected (in Rs.)			Total 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	
					Rs.	Rs.	Rs.	Rs.
(1) Squatter fees collected in the Reserved Areas. (Under Section 313A).	1981-82	8,615	*3,253	..	29,21,774	*11,58,299	..	40,80,073
	1982-83	8,655	*3,116	..	36,02,195	*16,74,508	..	52,76,703
	1983-84	9,441	2,299	1,060	40,48,229	13,46,704	5,14,424	59,09,357
(2) Fees received from itinerant hawkers licences (Under Section 313).	1981-82	1,451	*157	..	4,630	*62	..	4,692
	1982-83	1,393	*190	..	2,21,701	*3,453	..	2,25,154
	1983-84	380	..	206	1,55,109	..	3,800	1,58,909
Total of Item 1 & 2 ..	1981-82	10,066	*3,410	..	29,26,404	*11,58,361	..	40,84,765
	1982-83	10,048	*3,306	..	38,23,896	*16,77,961	..	55,01,857
	1983-84	9,821	2,299	1,266	42,03,338	13,46,704	5,18,224	60,68,266
(3) Recovery of expenses under Section 490 for removal of encroachment under Section 314.	1981-82	..	..	..	16,56,472	*8,05,777	..	24,62,249
	1982-83	..	..	..	23,23,063	*11,09,191	..	34,32,254
	1983-84	..	..	..	28,92,169	7,07,825	2,13,986	38,13,980
Final Total ..	1981-82	10,066	*3,410	..	45,82,876	*19,64,138	..	65,47,014
	1982-83	10,048	*3,306	..	61,46,959	*27,87,152	..	89,34,111
	1983-84	9,821	2,299	1,266	70,95,507	20,54,529	7,32,210	98,82,246

* This figure includes Revenue of Division II and Division III together.

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 1981-82 to 1983-84 under Section 313(1)(b)(c).

Year	Number of licences issued			Amount of fees collected (in Rs.)			Total 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			
					Rs.	Rs.	Rs.		
1981-82	43,172	..	a2,953	Rs. 35,15,810	Rs. a1,68,771	..	Rs. 36,84,581
1982-83	41,031	a3,024	..	Rs. 54,75,194	Rs. a2,82,397	..	Rs. 57,57,591
1983-84	42,278	2,084	1,196	Rs. 57,30,146	Rs. 2,27,364	Rs. 1,22,439	Rs. 60,79,949

a This figure includes Revenue of Division II and Division III together.

SHOPS & ESTABLISHMENTS

SALIENT FEATURES.

Revenue Receipts	Rs.	32,07,518.80
Expenditure on different activities. (exclusive of Provident Fund Contribution and Supervision Charges. etc.)	Rs.	32,06,854.14
Number of Establishments registered		2,46,995
Number of employees working therein		7,48,565
Complaints Received		749
Complaints disposed of		689
Prosecution launched		12,257
Cases decided		12,098
Total fines realised	Rs.	9,20,886.00
Grant-in-aid received during the year for the administration of the year 1982-83 from State Government.		Nil.
Total benefits regarding Minimum Wages—		
1. Number of employees benefitted		953
2. Amount paid by owners	Rs.	4,20,846.00

This department administers Bombay Shops and Establishments Act, 1948, payment of Wages Act, 1936, Minimum Wages Act, 1948, and Workmen's Compensation Act, 1923, throughout Greater Bombay, on behalf of the State Government. It will have to administer the Maternity Benefit Act, 1961, also after issue of a Notification by the Government of Maharashtra.

The department consist of 5 Supervisory Staff, 82 Inspectorial Staff and 46 Indoor Staff and 52 Shops Attendants and Peons. The Chief Inspector is in-charge of this department.

The total number of establishments registered under the Shops and Establishments Act, 1948, were 2,46,995 and their classification is shown in Appendix 'A'.

The total complaints received during the year were 749, out of which 689 were disposed of as detailed in Appendix 'B'.

Similarly, Total number of prosecutions launched under the Bombay Shops and Establishments Act, 1948, during the year were 12,257 and 12,098 prosecutions were decided and fine Rs. 9,20,886.00 was inflicted.

This year the State Government have not sanctioned grant-in-aid for the year 1982-83 as there was no Excess of expenditure over income for the administration of the Bombay Shops and Establishments Act, 1948, for the said year.]

The total expenditure incurred on different activities of this department during the reporting year was 32,06,854.00 (exclusive of Provident Fund, leave contribution and Supervision charges). As against this, the total income by way of Registration etc. fees during the year was Rs. 32,07,518.80.

Total number of visit paid to the establishments for the purpose of the enforcement of Minimum Wages Act, 1948, during the year under report were 7,644, out of which, 3,777 were Shops 3,436 for Commercial Establishments 377 for Residential Hotels, Eating Houses and Restaurants, and 16 for Theatres.

As a result of intervention of Inspectors of this department, an amount of Rs. 4,20,846.00 was distributed to 953 employees of different establishments by way of increase in wages, differences, etc.

In all 1,345 Mass raids were held during the year for the purpose of enforcement of the provisions of Bombay Shops and Establishments Act, 1948, and Minimum Wages Act, 1948.

APPENDIX 'A'

Registered Establishments

Category	City	Suburbs	Ext. Suburbs	Total
Shops	81,732	43,592	17,442	1,42,766
Commercial Establishments ..	67,179	15,330	9,277	91,786
Residential Hotels	510	159	41	710
Restaurant and Eating House ..	6,239	3,945	1,348	11,532
Theatre	115	64	22	201
Total.. .. .	1,57,775	63,090	28,130	2,46,995

APPENDIX 'B'

Complaints Received

Complaints

Category	Complaints											
	Outstanding at the beginning of the year			Received during the year.			Investigated during the year.			Pending at the end of the year.		
	City	Sub.	Ext. Sub.	City	Sub.	Ext. Sub.	City	Sub.	Ext. Sub.	City	Sub.	Ext. Sub.
Shops and Establishments Act, 1948.	89	6	13	556	113	80	501	109	79	144	10	14
Payment of Wages Act, 1936.	2	..	1	37	6	..	36	6	..	3	..	1
Minimum Wages Act 1948.	6	2	2	1	4	3	1	4	3	6	..	2
Workmen's Compensation Act 1923.	..	..	..	..	..	..	..	..	..	..	..	..
Total	97	8	16	594	123	83	538	119	82	153	12	17

V. R. SARANG,

Chief Inspector, Shops and Establishments

MUNICIPAL GARDENS

(1) Income	..	Rs.	7,43,479.00
(2) Expenditure	..	Rs.	3,90,37,442.00
(3) Amount spent on the Zoo	..	Rs.	17,81,260.00
(4) Expenditure on New Works and Special Repairs	..	Rs.	9,49,440.00
(5) Recreational activities added during the year 1983-84.			
(1) Gardens	..	6 Nos.	
(2) Playgrounds	..	8 Nos.	
(3) Fountains	..	--	
(4) Band Stands	..	..
(5) Traffic Islands	..	6 Nos.	
(6) Nurseries	..	--	
(7) Plant Sale Counters	..	..
(6) Tree Planted	..	5,680 trees	
(7) Plant distributed	..	25,434 trees.	

The Garden Department looks after the recreational activities of the Corporation and is at present maintaining 266 gardens, 154 playgrounds, 37 gardens attached to the Municipal Buildings, 59 Traffic island gardens, 60 Water Fountain, 13 Band-Stand, 21 Nurseries and 2 sale counters all over Greater Bombay.

Veer mata Jijabai Bhosle Udyan which is centrally located has remained one of the best attractions to the visitors as it was in the past. Joy rides, shady trees and modern play-apparata installed in the garden remained the attraction of the children.

ZOO.

During the year under report, we have achieved a good record in breeding the important animals like Nilgai Sambar Spotted deers Barking deers and birds like coakateels, painted storks etc. During the year 11 animals which include spotted deers Sambar and Painted Storks were born in the Zoo. During the year under report we have purchased 8 adult crocodiles costing Rs. 12 000 valued have collected from Tadoba National Park Chandrapur and the same are displayed in a newly constructed crocodile cage which has become an attraction to the visitors. Moreover we have collected one young pair of tigers from Mysore Zoo on exchange basis. The colourful silver pheasant 2 pairs and Mangolian pheasants-2 pairs were also added to the Zoo by purchasing them from a dealer in Calcutta.

Many repair/renovation works were carried out during the year under report.

Open Air Theatre.

The Open Air Theatre is hired out to the public on reasonable rent on 160 occasions for drama, social gatherings etc. The theatre is becoming popular day by day.

Recreation Activities

During the year under report 6 gardens, 8play-grounds, 6 traffic islands are added. The existing gardens and playgrounds in the City, Eastern and Western Suburbs were maintained properly.

Fountains.

60 fountains were run throughout the Greater Bombay. The fountain with multicoloured lights provided at Madhu Park, Nanda Deep, Kasturba Chowk, Horniman Circle, Acharya Udyan, Dr. Ambedkar Udyan, Netaji Subhash Chandra Bose Udyan and a row of fountains in Acharya Udyan, Chembur are other attractions of the Bombay ities.

During the year under report a massive tree plantation programme was undertaken to combat the evil effects of air pollution faced in major parts of the city and 2850 trees in City, 2015 trees in Western Suburbs and 1415 trees in Eastern Suburbs were planted. As a part of green more tree campaign 25,434 trees planted were distributed.

Maintenance of Gardens and Playgrounds during 1983-84.

Serial No.	Description	City	Western Suburbs	Eastern Suburbs	Total	Remarks
1	Gardens	136	70	60	266	
2	Playgrounds	94	37	23	154	
3	Gardens attached to Municipal Buildings.	18	16	3	37	
4	Fountains	34	11	15	60	
5	Bandstands	7	3	3	13	
6	Box Hedges	1	1	..	2	
7	Statues	12	1	4	17	
8	Traffic Islands	46	9	3	58	
9	Nurseries	9	7	5	21	
10	Sale Counters	1	..	1	2	
11	Planting of Trees	2,250	2,015	1,415	5,680	
12	Existing trees	29,641	22,240	17,245	69,126	

J. C. GARKHEL,
Superintendent of Gardens.

MUNICIPAL FREE READING ROOMS & LIBRARIES

There were 30 Municipal Free Reading Rooms and Libraries (including one Circulating Library) in the beginning of the year. One more Municipal Free Reading Room and Library was opened at 55, Rajwadar Street, Colaba, Bombay on 5-5-1983. Out of total 31 Municipal Free Reading Rooms and Libraries 26 libraries (20 on Div. I, 3 on Div. II (W. S.) and 3 on Div. III (E. S.) were Managed by Mumbai Marathi Granthasangrahalaya as per C. R. No. 1822 of 17-3-1981. The remaining 5 libraries (4 on Div. I and 1 on Div. II (W.S.)) were under the management of Municipal Corporation.

The details of books purchased, number of visitors, income and expenditure etc.

Particulars	Divison-I		Divison II (W.S.)		Div. III (E.S.)	
	1982-83	1983-84	1982-83	1983-84	1982-83	1983-84
Books Purchased.	319	297	249	239	Nil.	Nil.
Cost of the books (excluding discount)	Rs. 6,072	6,816	5,385	5,247	Nil.	Nil.
Number of visitors.	Rs. @13,776	@11,497	32,333	28,958	Nil.	Nil.
Income.	Rs. * 692	* 637	* 5,342	* 6,206	Nil.	Nil.
Expenditure excluding grant paid to the M. M. Granthasangrahalaya.	Rs. 1,34,007	1,50,421	36,454	38,842	Nil.	Nil.
Grant paid to the M. M. Granthasangrahalaya.	Rs. 2,54,000	2,28,000	36,000	36,000	36,000	36,000

@ Sobani Municipal Free Reading Room and Library was closed to the public from 25-6-81 on wards as some portion of the building collapsed and repairs were under taken by the contractor of tenants with the consent of the Repairs Board. Khatry Municipal Free Reading Room and Library was also closed to the public from 17-10-1981 to 26-12-83 as repairs were undertaken by the contractor of the Repairs Board. It was reopened from 27-12-1983. Halai Memon Municipal Free Reading Room and Library was also closed to the public from 22-8-1983 onwards as the building was about to collapse. Necessary proping was done by the Trust and the question of reconstruction of the building is under consideration.

* The question of recovery of compensation from Mumbai Marathi Grantha Sangrahalaya was being reconsidered and the amount to be recovered as compensation has been kept in deposit, hence the figures of income is less.

V. N. BARVE

Chief Librarian i/c.

Municipal Free Reading Rooms and Libraries,

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 1885, 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 and Village-Life, Armoury, Cottage Industries, Ethnology, Fine-Arts, Fossils, Indian-Coins, Minerals, Miscellaneous-Collection, Old-Bombay Collection, Pre-History and Geology and Religion and 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-Annual Report of the Museum was continued further during the year. The work of preparing the fair list of the photographs of the Picture-Post-Cards obtained from the Parsi Panchayat Museum was taken in hand. The work of recording the details of the ethnological figures which are being painted a fresh was continued further.

The case of armoury section was studied and a coloured chart of the War Medals (Param Veer Chakra, Mahaveer Chakra and Veer Chakra) was got prepared and displayed.

Regular Soil-Treatment against the White Ants was continued during the year.

Old M. S. Water Tank was got replaced and a suitable platform for keeping water containers was provided in order to improve the site where drinking-water facility is provided.

The work of providing a systematic switch-board and re-wiring was got completed during the year. Taking into consideration the changing circumstances, necessary steps were taken to strengthen the security measures.

Some exhibits of the Museum were lent to the Prince of Wales Museum for holding the exhibition "Treasures of Museum in Maharashtra." Some photographs were sent for the exhibition on "The History of Museums." held at Calcutta by the Birla Industrial and Technological Museum.

Additional information regarding the German Mines was found in the old papers and the same was communicated to the Maritime Museum.

Necessary help was rendered to the Scholars and Persons interested in the different sections of the exhibits in bringing out articles, documentaries etc.

In appreciation of the services rendered by the Museum management, the Director of the Unit of the Television Centre, Southampton donated Rs. 300 to the Museum.

The dummy of the 13th edition of "A Brief Guide to Dr. Bhau Daji Lad Museum" was finalised and sent to the Municipal Printing Press.

The Central Government was pleased to sanction the grant-in-aid of Rs. 60,000 or 60% of the total expenditure on water-proofing the terrace of the Museum Building whichever is less, under the Scheme of Reorganisation and Development of Indian Museum 1983-84. The grant will be paid on completion of the work.

The details regarding the Number of visitors, sale proceeds of Admission-Tickets, Total Expenditure etc.

Particulars	1982-83	1983-84.
The number of days Museum was kept open	303	303
Total Number of visitors	7,64,290	7,37,401
Sale proceeds of Admission Tickets	Rs. 89,857.30	84,463.10
Sale proceeds of Museum Guides & Minor Receipts	Rs. 798.75	705.00
Fees for taking photographs of exhibits etc.	Rs. 564.00	511.00
Sale proceeds of scrap, waste papers etc,	Rs. 223.21	66.00
Receipt of grant from the Central Government	Rs. ..	..
Total expenditure (Excluding the amount spent from the grant from Central Govt.)	Rs. 1,85,883.00	1,68,836.00

V. N. BARVE,
Curator,

Dr. Bhau Daji Lad Museum,

MUNICIPAL SWIMMING POOL

All the Municipal Swimming Pools in Greater Bombay viz. Mahatma Gandhi Memorial Olympic Swimming Pool at Dadar, Ghatkopar Lions Municipal Swimming Pool at Ghatkopar, S. V. P. Swimming Pool at Kandivali, & Nirlon Olympic Municipal Swimming Pool at Goregoan were fully utilised by the public during the year under report. The number of casual Swimmers and the regular members are on increased scale from year to year. Concessional facilities for the school were adequately utilised by schools.

31st Anniversary of the M. G. M. O. Swimming Pool was observed on 29th May 1983 by holding swimming competitions amongst the members of all the four Municipal Swimming Pools.

Age Group National Championship held at New Delhi from 5th July to 10th July 1983. Two members participated in the Age Group National Championships. Senior National Aquatic Meet held at Trivendrum from 24th to 30th October 1983. Nine members participated in the Sr. National Aquatic Meet.

M.G.M.O. Water Polo League Tournament was held at M.G.M.O. Swimming Pool in August 1983.

Financial

Swimming Pool		Income	Expenditure
		Rs.	Rs.
(1) M. G. M. O. Swimming Pool, Dadar.	...	5,12,035	7,84,805
(2) N. O. M. S. Pool, Goregoan	..	1,54,556	3,57,037
(3) S. V. P. Swimming Pool, Kandivli.	...	2,70,000	2,96,000
(4) G. L. M. Swimming Pool Ghatkopar.	...	3,08,820	2,82,451

Swimmers.

Swimming Pool	New Admissions.	Casual Swimmers.	School children	No. of Institutions.	Private Reservations.
(1) M. G. M. O. Swimming Pool Dadar.	6310	46000	1745	14	95 Hrs. (Rs. 7,760/-)
(2) N. O. M. S. Pool Goregoan ..	1137	16393	182	6	51 Hrs. (Rs. 4935/-)
(3) S. V. P. Swimming Pool, ... Kandivali.	3140	64601	1674	7	69 Hrs. (Rs. 35,330/-)
(4) G. L. M. Swimming Pool ... Ghatkopar	2266	99000	622	3	17 Hrs. (Rs. 1,275/-)

R. S. RANE,
Manager,
M. G. M. O. Swimming Pool.



Raja Dr. Baldevdas Birla Kreedda Kendra

Raja Dr. Baldevdas Birla Kreedda 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, meetings etc.

Children Hall and Boat House are also rented for drama rehearsal and meetings.

Municipal departments arrange their programmes at Birla Kreedda Kendra. These included :—

- (a) One Act Plays of Welfare Centres of Labour Department.
- (b) Inter-Ward and Inter-Departmental Dramatic competition organised by Labour Deptt.
- (c) Sports and Guide meetings of Education Department.
- (d) Exhibition of articles made at Balbhavan Centre.
- (e) Prize Distribution functions of Education Department and Health Department.
- (f) Mayor's Award and other functions arranged by Municipal Secretary, Public Relation Department and Hospitals and Medical Colleges.
- (g) Farewell functions in honour of staff.
- (h) Gatherings and other functions of Municipal Medical Colleges and Hospitals.

Birla Kreedda Kendra has 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	578 Sessions.
(b) for Rehearsals	131 Sessions.
(2) Boat House.	700 Sessions.
(3) Children Hall	492 Sessions.
(4) Garden for parties Reception etc.	420 Sessions.

The expenditures was restricted to the Budgetary provisions whereas the programmes conducted and the income derieved therefrom were more than anticipated figure in the performance budget..

An amount of Rs. 3,99,238.50 was collected by way of revenue and an amount of Rs. 4,37,629.50 was expended on salary of staff and other items of maintenance.

J. S. SATAM
Manager,
Birla Kreedda Kendra.

